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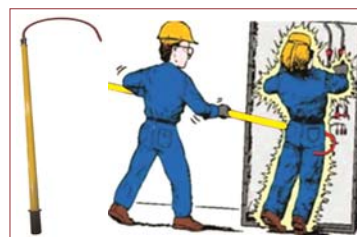


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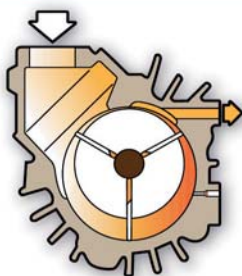


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Coimbatore - 641 004, Tamil Nadu
Phone: +91-422-2566489, 2563801, 2563495
Email: sales@rmcollet.com
Website: www.rmcollet.com

Solar Cables

Axelon Wire & Cables offers Solar Cables. Solar energy is converted in the electrical energy by means of arrays of photovoltaic modules. Specially designed Photovoltaic cables are used in these:

Conductor – EC Grade annealed; Insulation: XLPO/XLPE/LSZH; Colour: Black/Red/Black with Red Strip; Packing: 100/5000 m



and any as per customer requirements; Sizes: 2.50/4.0/6.0 and any as per customer request. Advantages: High Thermal Rating to Stand Extreme Temperatures; Excellent Resistance to Heat Pressure; Specially Designed to Stand Extreme Weather Conditions; RoHS Compliant; and Excellent Abrasion and Notch Resistant. Applications: These cables are connected between individual modules and string combiner box (Junction). The Company's other products include: Welding Cables, Light Duty Cables, Industrial Flexible Cables, Kisaanmitra – Submersible Flat Cables, Submersible Winding Wires, Harmonized Cables, Speaker Cables, Co-Axial Cables, CCTV Cables, LAN Cables, Fire Alarm and Fire Survival Cables, etc.

Contact:

Axelon Wire & Cables

Plot No: 3050, 51, 52, 54 GIDC Phase 3

Dared, Jamnagar, Gujarat 361 004

☎ 0288 – 677 2050/2099 • E-mail: sales1@axelongroup.com

Precision Inverter Chiller GKE Series

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Contact:

GEM Orion Machinery Private Limited

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Coimbatore, Tamil Nadu 641 407

☎ 0422 – 236 3805, 236 3806 • E-mail: sales@gemorion.in

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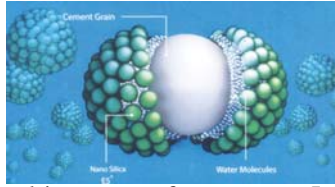
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www.mbhpumps.com



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Internal Cure for Concrete E5®

HROC is a professionally managed private limited company engaged into marketing and distribution of Specialty Industrial Raw Materials pertaining to Plastics, Coatings and Adhesives, Construction Chemicals, Rubber and Tire, Textiles, Home Care and Personal Care and Allied Industries since the past 3 decades. The Company offers E5®, which is an ultimate cure for concrete. Its Features are: Internally Cures; Reduces Porosity; Forms additional C-S-H gel; Particle packing at the surface. Extends Life Cycle; Protects against premature degradation; Significantly reduces water penetration; Reduces salts and brine penetration. Reduces Volume Loss – Retains water of transport in the mix; Reduces early shrinkage. Increases Abrasion Resistance – Testing as per Chaplin Abrasion Test, conforms to special category < 0.05 mm for Floor wear class in BS 8204. Proprietary process holds water effectively decreases porosity and void formation 30% more hydration efficiency.



Contact:

HROC

109-114 Rewa Chambers

31 New Marine Lines, Mumbai 400 020

☎ 022 – 4046 1027, 4046 1028 • Mob: 88288 25052

E-mail: rajeevp@hroc.in

Road Marking Machine

Reliflex Exim Services (opc) Pvt Ltd offers Road Marking Machine Model RM15. Specifications – Capacity: 100 kg; Road marking type: Thermoplastic paint; Automation Grade: Automatic; Heating System: Petroleum gas; Coat thickness: 1 mm to .5 mm; Tank Capacity: 100 ltr; Strip Color: Any colour; Scribing Speed: 1.5 km/h; Length: 100-450 mm; Heating Temperature: 180oC to 210oC; Marking Shoe Size: 150 mm standard; Glass Bead Size: 10 cm/15 cm/20 cm/30 cm/40 cm/45 cm; Dimensions: 1320 x 820 x 1000 mm; Weight: 135 kg.



The Company's products range includes: Concrete Cutters/Groove Cutters, Power Trowels/Power Floaters, Ride on Trowel, Bar Threading Machine, Scrape Straightening Machine, Decoil Machine, Punching Shearing Machine, Concrete Vibratory Paver, Plate Compactor, etc.

Contact:

Reliflex Exim Services (opc) Pvt Ltd

65 Shed 2A, Mantapa Bannerghatta Jigani Road

Bengaluru, Karnataka 560 083

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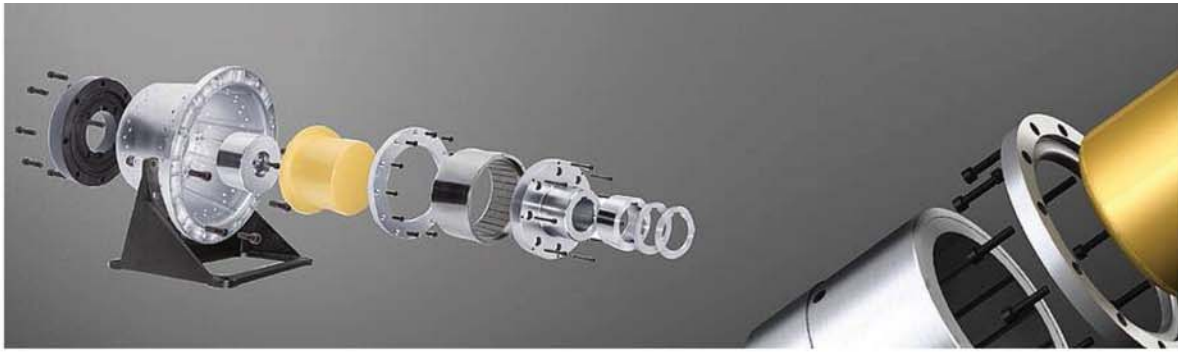
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Tel: 0422 - 267 2979 • Fax: 0422 - 267 2979 • Mob: 099421 32979

E-mail: office@gks-india.com / info@gks-india.com • Website: www.gks-india.com



Contact less Torque Transmission & Limitation

Magnetic couplings are genuine problem solvers when it comes to reliable sealing and pumping of critical substances combined with wear-free overload protection at low torques. It pays for construction engineers to take a closer look at the concept of contact less torque transmission and torque limitation.

MINEX®-S - Contact less Torque Transmission



- ◆ Contact less torque transmission.
- ◆ Seals the product space hermetically and statically.
- ◆ Contact less torque transmission through magnetic forces.
- ◆ Interruption of torque transmission in the event of overload.

Applications

- Agitator ● Centrifugal Pumps ● Compressors ● PU Foaming Lines ● Fan Drives ● Screw Pumps
- Vacuum Pumps ● Gear Pumps ● Bottling Plants ● Foil Re winder ● Winding ● Bottling Plant

Advantages

- No leakages ● Low Vibrations ● Runs Quietly ● Maintenance free ● Low Life Cycle Cost

MINEX®-H - Contact Less Torque Limitation

Having reached the maximum torque, the **MINEX-H hysteresis coupling** switches to slipping operation, thus ensuring wear-free torque limitation.

Applications

- Filling Lines ● Conveyors ● Winder Drives ● Capping Machines ● Medical Technology

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☎ **98435 21745**
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Signal & Instrumentation Cables

KEI Industries Limited offers Signal and Instrumentation Cables. Its Applicable Standards: BSEN 50288 Part-7, IEC-60092, PAS 5308. Voltage: Up to 1100 Volts; Products Range: Multicore/Multi-pair/Multitraid Signal Instrumentation Cables (Conductor Size: Up to 6 sq mm). Conductor: Tinned/Plain Copper as per BS EN 60228. Insulation:



XLPE/PE/HFFR/EPR/PVC. Screening Individual, Pair/Traid Screening or Overall Screening or Both): Aluminium Mylar Tape Screening, Copper Tape/Wire Screening, and Tinned Copper Braiding. Inner Sheath and Outer Sheath: PVC/PE/HFFR/PCP/CSP/FRLS PVC/FR PVC. Armor: Galvanized Steel Wire/Flat Strip Armor, Galvanized Steel Wire Braiding, Tape Armor (Galvanized Steel/Copper/Aluminium). The company's products range includes: EHV Cables up to 400 kV; HT Cables up to 33 kV – Dry Cured Process; LT Power Cables – Copper/Aluminium Conductor PVC, XLPE and EPR; LT Control Cables – Copper PVC, XLPE and EPR, Flexible and House wires (Single and Multicore); Elastomeric (Rubber) Cables; Railway Signaling Cables; Fire Survival, Zero Halogen Cables; Dry Filled Telephone Cables; Automotive Cables; Welding Cables; Submersible Cables/Winding Cables; Ship Wiring Cables; Mining Cable-Rubber as per IS 14494 and PVC; Cables for Offshore Installation; Cables for Defence; AB Cables; and Communication Cables.

Contact:

KEI Industries Limited

D-90, Okhla Industrial Area, Phase-1, New Delhi 110 020

☎ **011 – 2681 8840, 2681 8642**

E-mail: info@kei-ind.com

Bearings

CTS Bearing House is specialized in Linear Motion Product, Needle Roller Bearing and Bushes. The Company supplies Rust Free Linear Motion Bearings, SS 304 Linear Motion Bearings, Linear Guide Blocks and Rails, Rod End Bearings, Cam Follower Bearings, Spherical Plain Bearings, Linear Shafts, Du Bushes, Cylindrical Roller Bearings, Needle Roller Bearings, Needle Thrust Bearings and Cages, Track Roller Bearings, One Way Bearings, Plastic Linear Motion Bearings, etc.



Contact:

CTS Bearing House

27/29 VV Chandan Street, Fortune Edge Tower

1st Floor, Room No: 104, Masjid (West), Mumbai 400 003

Mob: 98706 11636, 90226 75195

E-mail: ctsbearings@yahoo.com

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 Contact: Mr. K. K. Suresh Babu Mobile: 0 93232 18026
 Mr. Sanjith Mobile: 0 80972 89120
 E-mail: info@libeshengg.com, libeshengg@gmail.com
 Website: www.libeshengg.com

AGSI

Plain Setting Masters

Jayesh Enterprises offers high quality TIECO brand Setting Masters. Plain setting masters are used to set the dial comparator stands to the required size; this eliminates the



cost of slip gauges. Plain setting masters are used to set a Floating Carriage diameter-measuring machine while checking thread gauges. These are available from 1 mm to 150 mm and made as per IS 4349: 1987. Tolerance on diameter is as per IS standard and lapped to high surface finish. The gauges are calibrated in their ISO/IEC-19025:2005 certified by NABL laboratory at 20°C. using the latest TRIMOS measuring instruments and QMSOft® software. The other products include thread gauges, plug gauges, ring gauges, snap gauges, taper gauges and special gauges.

Contact:

Jayesh Enterprises

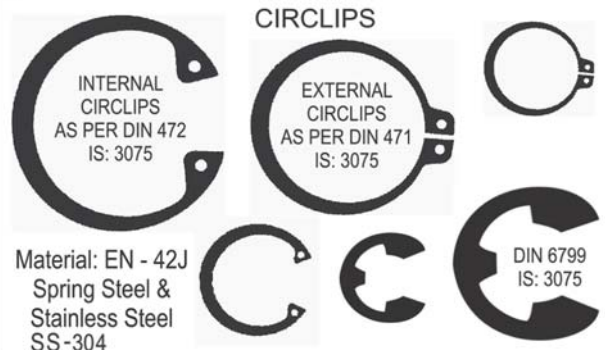
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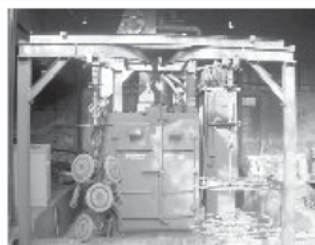
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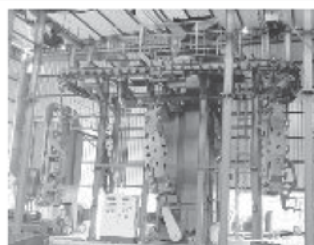
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Industrial Solutions

Tacklers Engineering Pvt Ltd (formerly known as Techno Industries) provides Industrial Solutions such as Floor Handling, Warehouse Automation, Material Loading Auto-



mation, Material Conveying, Storage Solutions, Automation in Doors, and Floor Cleaning. Their Products range is: Hydraulic Pallet Truck, SS Pallet Truck, Scissor Pallet Truck, Electric Lift Table, Electric and Semi-Electric Pallet Trucks,



Manual Stacker, Electric and Semi-Electric Stackers, Electric High Level Order Pickers, Fork Reach Truck; Manual Sweepers, Heavy Duty Ride on Sweepers, 4-directional Forklift, Three and Four-Wheel Electric Forklift Truck, Dual Mast Aerial Work Platform, Single Mast Aerial Work Platform, Electric Drum Lifter/Tilter, Semi Electric Drum Stacker Tilter, Hydraulic Goods Lifts, Cage Type Goods Lift, Electro-Hydraulic Dock Leveler, Electric Scissor Lift Table, Double Scissor Lift Table, Double Deep Racking System, Adjustable Pallet Racks, Cantilever Racks, Mezzanine Floor (Multi-Tier), Drive-in Racks, Long Span Shelving, Collapsible Gates, Dock Shelters, 2 Step Stacker Type Parking System, Material Loading Automation – Truck Loaders and Unloader; Conveyor System – Belt Conveyors, Roller Conveyors, Expandable Flexible Gravity Conveyors, etc.

Contact:

Tacklers Engineering Pvt Ltd
Plot No: 613, Phase-IV, GIDC, Vatva
Ahmedabad, Gujarat 382 445
☎ 079 – 4032 3330 • Mob: 93287 39901, 93770 39904
E-mail: info@technoind.com

Polyester Film Tape/Kapton Film Tape

Rayan Plast is one of the renowned packaging and tape industry players across the nation. The company offers Polyester Film Tape/Kapton Film Tapes. Its applications/uses are Insulation in manufacturing of electrical components; in powder coating; Wave soldering in PCB manufacturing process.

Contact:

Rayan Plast
107 Ashish Udyog Bhavan, Nr: ASPEE House
Opp: SNDT College, Malad (West), Mumbai 400 064
☎ 022 – 6155 5999 • E-mail: info@rayanplast.com

Shot Blasting Machines

Patel Furnace & Forging Pvt Ltd, a leading manufacturer of Shot Blasting Machines offers a range of machines like Swing Table Type Shot Blasting machine, Manganese Mesh Conveyor Shot Blasting machine, Plate Shot Blasting machine (Roller Conveyor Type), Multipurpose Shot Blasting machine, Quartz Stone Shot Blasting machine, Beam Shot Blasting machine (Roller Conveyor), Tumbblast (Barrel Type) Shot Blasting machine, Continuous Monorail Hanger Type Shot Blasting machine (*Pix*), Shot Peening Machine, Sand Blasting Machine, Surface Preparation Equipment and Metal Finishing Machine, has supplied more than 3000 machines in India and International Market has experience and technical expertise to deal with variety of applications. They offer machines with new designs and new concepts for Foundry, Forging, Shot Peening, Billet Cleaning, Strip Cleaning, wire Descaling and Air Pollution Control Equipments. The Company provides genuine, economical and unmatched spares for all types of Shot Blasting and Sand Blasting Machines.



Contact:

Patel Furnace & Forging Pvt Ltd
A/2-510, GIDC, Makarpura, Vadodara, Gujarat 390 010
☎ 0265 – 264 4864 • Mob: 97370 61333
E-mail: info@pshotblast.com

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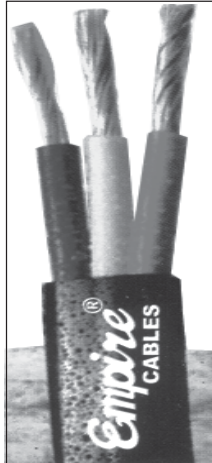


Contact:

Haris Sensor Technologies Pvt Ltd
223 Shanti Industrial Estate, Sarojini Naidu Road
Mulund (W), Mumbai 400 080
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Contact:

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Syphons

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The gauges are produced from high quality tool steel and fully stabilised i.e. sub-zeroed to improve the life and accuracy of the gauge. The thread gauges are made to national and international standards such as ANSI, BS, IS, etc, and tested in our laboratory to NPL and NABL standards. Our gauges are calibrated in our ISO/IEC19025:2005 certified by NABL laboratory at 20°C. using the latest TRIMOS length measuring instruments and QMSOft© software. Our other products include plug gauges, taper gauges, ring gauges, snap gauges and special gauges.

Contact

Jayesh Enterprises

103 Ramtekdi Industrial Estate, Hadapsar

Pune, Maharashtra 411 013

☎ 91588 66112 / 91588 66113 / 91588 66114

E-mail: jawssales@jawsindia.com

Pipe Conveyors

MASYC Projects Pvt Ltd offers Pipe Conveyors. It has all the advantage over a typical conventional Belt Conveyor while adding further characteristics of having Horizontal



and Vertical curves. It can also have steep angles without any transfer points. It can convey dust as well as bigger lump sizes; and is particularly recommended in Cement Industries, Power, Fertilizer, Steel and Glass Plants etc.

Contact:

MASYC Projects Pvt Ltd

23 Community Center, Mayapuri Phase-I

New Delhi 110 064

☎ 011 – 2811 5745, 2811 5453

Fax: 011 – 2811 6850

E-mail: masyc@masycproject.com

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Tower Cranes, Electric Crane, Crawler Cranes, Truck Mounted Cranes, Lorry Loaders, Backhoe Loaders, Loader, Motor Grader, Vibratory Rollers, Piling Rigs, Forklifts, Concrete Placing Boom, Warehousing Equipment, Tractors, Harvesters and other Agri Machinery.

Contact:

Action Construction Equipment Ltd

31 Kalpataru Court, Chembur, Mumbai 400 074

☎ 022 – 2520 6846, 2520 7070

E-mail: acemumbai@ace-cranes.com

Shuttle Racking System

Effistack India Pvt Ltd (EIPL) is a leading manufacturer of Industrial Storage Systems and Industrial Automation specialized in providing innovative and customized solutions for Storage management.

The Shuttle Racking System: Maintain maximum selectivity and increase your operational efficiency with the Radio shuttle pallet racking system. Radio shuttle is a semi-automated storage and retrieval system that allows for a maximum use of warehouse space. Easily managed with a remote control, the Radio shuttle pallet shuttle is loaded into storage loads and executes orders to load or unload pallets into a lane. The lanes are fed pallets by lift trucks such as reach trucks or sit-down forklifts. Advantages: Compact storage; Completed utilization of space almost 2 times as conventional racking; Both FIFO and LIFO Operations. The Company's products range includes: Selective Picking Pallet Racks, Drive-in Pallet Racks, Mobile Racking Systems, Mobile compactor, Automated Storage & Retrieval System (ASRS), etc.



Contact:

Effistack India Pvt Ltd

Survey No: 549/2, NH#8, Village Nana Fofaliya

PO: Kandari, Vadodara, Gujarat 391 210

Mob: 87580 20484, 75739 19659 • E-mail: sales@effistack.com

Slat Conveyor & Roller Conveyor

Anyway Engineering specializes in offering best-in-class Slat Conveyors and Roller conveyors to their valuable patrons. The slat conveyor (*pix, top*) is used for assembly line and handling of heavy loads. Customers can further avail conveyor according to their requirements. The company manufactures high quality Roller conveyors (*pix, bottom*) that are serving many industries. The company's products range includes: Power Driven Roller Conveyors, Gravity Conveyors, Accumulation Roller Conveyors, and Palletizing Roller Conveyors. High Quality Galvanized Rollers and High Tension Chains add to its quality for heavy loaded Conveyors. The conveyors are highly used in liquid filling Lines and Packaging industries.



Contact:

Anyway Engineering

Factory No: 3, Sonarpada (Mhatre Pada)

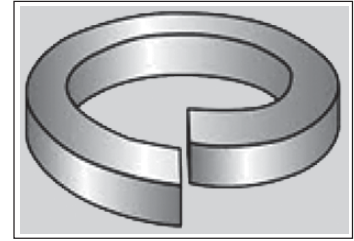
Near Tempo Naka, Behind W-230, Phase-II

Dombivli (East), Maharashtra 421 204

Mob: 98214 65799 • E-mail: anywayengg@gmail.com

Spring Washer

Khanwalkar Industries was established in the year 1975. Khanwalkar industries, an ISO 9001:2015 certified company manufacturing CARBON brand Spring Washer in carbon steel (EN-42B), and in stainless steel (SS-304). These are manufactured on automatic machines within close tolerances and under strict quality control that are applicable to production process. This ensures that components conform to consistent quality and high standards. The company supplies its product CARBON Spring Washers conforming to various Standards like ISS, BSS, DIN, ASA, JIS and also in Stainless Steel (SS-304, SS-316 and SS-202) all over India. Washers conforming to special sizes and Combi sizes are also available. Washers are manufactured in ID size 2.5 mm to 50 mm in natural black and in electroplated coating with blue, golden green finish and with trivalent coating. Besides the spring washers, the Company has diversified into manufacturing of spring washers machines.



Contact:.

Khanwalkar Industries

36-C, Sector B, Sanwer Road, Industrial Area

Indore, Madhya Pradesh 452 015

☎ 0731 – 272 1527, 404 6226 • Mob: 99935 55087

E-mail: khanwalkar08@gmail.com



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E-mail: maruthihandling@rediffmail.com, info@maruthihandlings.com

Ph: 0422-2270546 • Mob: 098422 15029 / 098428 15029

Rotary Triple Twin Gear Pump Type NDX Series

Del Pd Pumps & Gears Private Limited supplies Rotary Triple Twin Gear Pump Type NDX. NDX Series pumps are designed to handle bulk volume of viscous and semi viscous liquids quite efficiently at medium pressure up to 11 bar. This pump can be coupled directly with drive as impeller speed reduction is made possible within pump, making it very compact and cost economical and thereby reducing the overall cost, and space. The timing gear reduces the noise level and enhances the working life of the pump. This pump out performance twin Screw pump in all aspect in this range and they are suitable for wagon decanting, cargo-unloading of various viscous liquids such as edible oils, Fuel oils, viscous chemicals, etc. Step-down Versions are also available. Type MDX comes without reduction gears whereas Type JDX comes without timing and reduction gears and Type JDB is with bush bearing suitable for molasses applications. Size: from 5" to 12" NB (Flanged to ASA 150 Class); Capacity from: 80 m³/hr to 550 m³/hr; Pressure: up to 11 kg/cm², Viscosity is up to 1,00,000 CST, and Temperature up to 110°C.



Contact:

Del Pd Pumps & Gears Private Limited
Plot No: 113, GIDC Estate, Wadhwan City
Surendranagar, Gujarat 363 035
☎ 02752 – 243 047/243 464/243 678 • Mob: 99988 17576
E-mail: info@delpump.com

Optical Proximity Switches

Jayashree Electron Pvt Ltd offers Optical Proximity Switches Series SW 605/SW 615 for sensing any objects. Available in M8 and above sizes, the optical proximity switches are a reliable solution for automation applications where higher sensing range is the requirement. These switches are available in three distinct types – Diffuse Scan, Retro-Reflective and Through Beam. A Special colour mark sensor for sensing a specific colour band also available for sensing based on colour shade. Useful for: Position sensing, Level sensing and counting applications in Robotics, Automobiles, Foundries, Pharma, Food Processing, and Packaging industries.

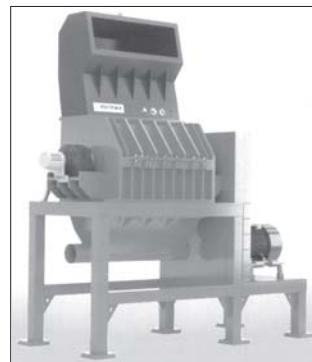


Contact:

Jayashree Electron Pvt Ltd
EL-34, J-Block, MIDC, Bhosari, Pune, Maharashtra 411 026
☎ 020 – 4690 1300, 4690 1301
E-mail: sales@jayashree.co.in

Granulator TR-Series

The Fornnax Granulator is a single-shaft heavy duty machine designed to accept pre-shredded steel-free mulch, wire cables and plastics for down-sizing the particles up to 4 mm granules. The machine is suitable for most difficult granulating applications; and is driven by 75 HP to 215 HP motor, providing sufficient power and torque to the rotor shaft. The technology becomes very reliable and efficient with the design of low cost blades and the use of replaceable screens. Features – Second to None Serviceability: Hydraulic hopper opening and service platform ensure easy maintenance; Versatility: Rapid screen change system to control the output size; Low Maintenance Cost: Multiple time re-grinding blades for low cost operations; Precision Control: Specific Stop Feature products against over-feeding and damage by unsuitable materials; Advanced Bearing Housing: Isolates bearings from cutting chamber contamination; Longevity: Replaceable wear plates to increase the durability of cutting chamber; Customization: Inlet and outlet hopper highly customized. Applications: Type Recycling; Electronic and Electrical Waste; Wire Cables Scrap; Plastics; Rubber Products Waste; and many more.



Contact:

Fornnax
A-7 Swagat Industrial Park-1, Odhav-Indore Highway
Bakrol (Bujrang) GIDC, Daskroi, Ahmedabad, Gujarat 382 433
Mob: 90330 77711, 90330 77796 • E-mail: info@fornnax.com

En-Masse Conveyors & Drag Chain Conveyors

MASYC Projects supplies En-Masse Conveyors, which are the ideal mechanical devices for handling various materials like cement, coal, limestone, grains and pulses etc. These conveyors are best suited for handling powdered and granular materials. These machines ensure very mild and soft handling which is very essential for powdered materials. The En-Masse Conveyors are very popular because these are very cheap, easy to maintain and are very economical due to low operating costs and lower power consumption compared to other material handling systems.



Contact:

MASYC Projects Pvt Ltd
23 Community Center, Mayapuri Phase-I, New Delhi 110 064
☎ 011 – 2811 5745, 2811 5453 • Fax: 011 – 2811 6850
E-mail: masyc@masycproject.com

Power Cables

Empire Cable supplies power cables with PVC insulation for power transmission. Voltage grade 650/1100 volts (Uo/U) provided with ISI marking IS 1554 (Pt-1), with or without HR/FRLs properties. Screening can be provided if desired. The cables conform to standard specifications like IS 1554 (Pt-1), IEC 502, BS 6436/87. Configuration: Single core up to 1000 sq mm, multi-core up to 400 sq mm x 3-1/2 cores; Construction: Conductor is aluminium/copper, solid/stranded circular/compacted/sector shaped. Insulation is PVC; Mechanical protection: Galvanized steel wire/strips/double helical steel tape; aluminium wire amounting for single core cable; Inner and outer sheath – PVC black/grey or as per requirement.

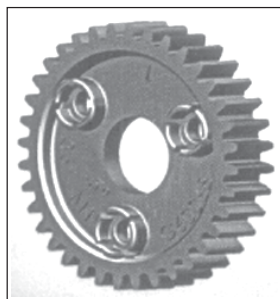


Contact:

Empire Cable Industries (P) Ltd
Plot No: 115, Phase-II
Badli Industrial Area, Delhi 110 042
☎ 011 – 2387 4632 • Fax: 011 – 2386 1610
E-mail: empirecables@yahoo.co.in

Spur Gears

Covaai Gears offers a qualitative array of spur gears that are available in different sizes and dimensions as per the needs and requirements of end users. These spur gears are easy to install and are highly appreciated for their seamless finish and dimensional accuracy. These gears are highly reliable and perform flawlessly. The company has maintained high standards by providing superior quality spur gears. These spurs are designed to exactly meet the set industrial norms and standards. Backed by expert professional, the company provides best customization facility to deliver the exactly desired product in accordance with given specifications. Features: flawlessness; high tensile strength; easy-installation; and rigid construction. Covaai Gears leveraged well qualified and experienced engineers and modern facilities with expertise in gear technology to emerge as one of the leading manufacturers of gearboxes.



Contact:

Covaai Gears
No: 80, Lakshmi Nagar, 3rd Street, Nallampalayam
Coimbatore, Tamil Nadu 641 027
Mob: 98433 44935, 99430 44935
E-mail: sales@covaigears.com

Vibratory Finishing Machines CN Series

Ceramed Engineers offers Bowl Model Vibratory Finishing machines in two basic (CM and CN Series) designs in seven standard sizes to meet unique applications of various customers. The CN Series machines have an additional advantage of unloading the components automatically after process by actuating pneumatically operated separation system. The screen used in the separation mechanism can be changed/replaced without any special calibre or any special tools. Ceramed Engineers also offers Spiral Type Vibrators, Tub Vibrators, Centrifugal High Energy machines, Vibrator Separators, Rotary Driers, Vibratory Driers, Ceramic Media, etc.



Contact:

Ceramed Engineers Limited
No: B-67 & 68, III Stage, Peenya Industrial Estate
Bangalore, Karnataka 560 058
☎ 080 – 4117 1028, 2836 3040
E-mail: info@ceramedengineers.com

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- BY-PASS ROTAMETER
- ELECTROMAGNETIC FLOWMETER
- FLOW SWITCHES
- AIR VELOCITY KIT

LEVEL

- LIQUID LEVEL INDICATORS
- LIQUID LEVEL TRANSMITTER
- LIQUID LEVEL SWITCHES (FLOAT OPERATED)
- CONDUCTIVITY LEVEL SWITCHES
- CAPACITANCE TYPE LEVEL TRANSMITTERS

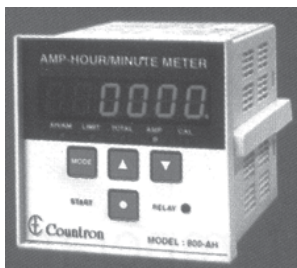
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 E-mail: fitzerindia@hotmail.com / fitzergujarat@rediffmail.com

Dealership Enquiries Solicited
Website: www.fitzerindia.com

Programmable Ampere-Hour Meter

Countronics, an ISO 9001: 2000 certified company, offers Model 800AH ampere-hour meter, which is a micro-controller based precision product designed to integrate and display DC current flowing with respect to time. It becomes a measure of the total current energy. A preset limit of this integrated current can be pre-programmed and when the limit is reached, a relay is switched On to trigger an alarm. For different ranges, the shunt resistance is user programmable up to 9999 A at 75 mV. In addition, an internal limit of 10.5 V is preset so that a 12 V battery can be tested for its A-H. As soon as the 12 V battery discharges to a voltage below 10.5 V the amp-hour meter stops automatically. This equipment can be used for Amp-Min also. This instrument reads current and integrated current up to 999999 A. Resolution of 0.1 A-H and 0.1 A-Min is also available. The 96 x 96 mm light weight ABS cabinet with front panel membrane switches and bright 7-segment LED displays makes it attractive and rugged.



Contact:

Countronics

3/1/29, Sahibabad Indl Area, Site-IV, Ghaziabad, UP 201 010

Mob: 098105 36887 / 098183 50088

E-mail: countronindia@gmail.com

MSW Shredders

Idea Holding supplies MSW Shredders in a variety of specifications, sizes, output capacity and particle size. Features: Prolonged Service Life; Compact Design; Less Maintenance; Low Noise; and Energy Efficient. The Shredders are mainly used for recycling and processing of Municipal Solid Waste (MSW) includes almost every kind of waste material like Plastic, Hazardous, Industrial Waste and others. The main purpose of using these shredders is to recycle or reclaim the ruined or imperfect items and the generate revenue by using shredded material as an alternate energy source in the form of RDF (Refuse Derived Fuel). The MSW Systems can integrate screens, trammel, separators, conveyors, magnets for separating different materials present in the solid waste. These machines are worthy in waste management for municipal waste handling where the garbage disposal is the severe issue. Capacity: 1 TPH, 3 TPH, 5 TPH, 10 TPH, 15 TPH, 20 TPH, 25 TPH, 30 TPH, 35 TPH, 50 TPH, 60 TPH.



Contact:

Idea Holding Limited

Shredo Chowk, C-203A, Phase-VII Focal Point

Ludhiana, Punjab 141 010

☎ 0161 – 462 8199 • Mob: 98152 74547, 98152 51219

E-mail: shredo@ideamails.com

Sight Flow Indicator

R K Dutt offers a wide range of Sight Flow Indicators. Features are: with larger view area, drip lip - standard for all metallic body; Indicator: flapper or rotary for invisible liquids or gases; Sizes: wide range from 15 NB to 250 NB; Choice of glass: Indian – Sodium Silicate for 50°C to 120°C; Imported – Borosilicate DIN 7080 std for -50°C to 300°C; Choice of material: SS, CS, A105, A182 F, semi-welded, seamless, PP, PTFE. RK Dutt manufacturing liquid level indicating, measuring and controlling instruments since 1974.



Contact:

R K Dutt Concerns

Plot A, 88, Road No. 18, Neheru Nagar, Wagle Industrial Estate Thane West, Maharashtra 400 604

☎ 022 – 6724 8787 • E-mail: pisales@rkdutt.com

Community Boiler & Combined Heat and Power Solutions

SteamHouse is an organisation, the first of its kind in India. It was instituted in 2014 with an aim to implement Eco-friendly and energy solutions and to reduce pollution from several industries to provide a conglomerate under the brand name Steam House. The Company has been the utility supplier to the existing industries as well as upcoming projects by mainly selling Steam, and has encouraged fulfilling the steam requirement of hundreds of industrial customers in various locations. This will lead to a substantial reduction in atmospheric pollution. Benefits of the Project: Boilers operated automatically with SCADA technology; Proficiency engineers manage the system effectively; Fugitive emissions minimized through scientific coal handling and storage; Fly ash utilized productivity; Easy monitoring for pollution control boards through online connectivity; Authorities monitor fewer boilers for increased efficiency and safety; Unsafe boilers removed for improved safety; Reduction in foreign currency loss through efficient boilers and elimination of imported gas; Improved working conditions and hygiene for workers through SCADA automation; Simplified responsibilities for industries and reduced investment requirements.



Contact:

SteamHouse

Plot No: 8108/1, Road No: 2, Sachin GIDC

Surat, Gujarat 394 230

Mob: 90995 12222 • E-mail: info@steamhouse.in

Wire Rope Hoists

Tacklers Engineering Pvt Ltd (formerly known as Techno Industries) offers Wire Rope Hoists. Features: Modular lightweight construction and compact designed hoists with very low head room; Hoisting gearbox, motor and brake is in one single compact unit eliminating coupling and alignment problems; All gear drives are made in Germany and are life time lubricated; Two speed hoisting drive in 6/1 ratio with built-in flywheel and soft start/stop feature; Extremely low noise levels during operation; All motors are pole changing crane duty with Class F insulation; DC brakes with a minimum of one million maintenance free operation; Wide, large diameter steel wheels with permanently lubricated bearings; Equipped with two upper and two lower position geared limit switches; Heavy duty wire rope guide for rope guidance; Easy to service electrical control system; All controls mounted in IP 54 panel enclosure; Variable frequency drive is available as an option on hoist as well as cross travel drives; Overload limit switches, and Remote control pendant are available as an option. Available in load range from 2 T to 25 T in different class of duties and lift and hoisting speeds.

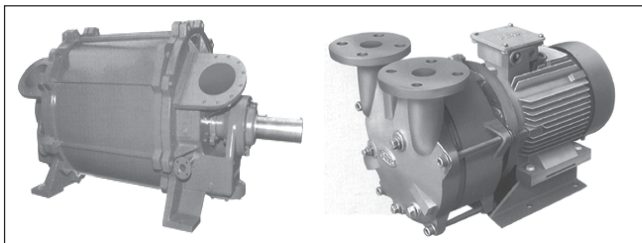


Contact:

Tacklers Engineering Pvt Ltd
Plot No: 613, Phase-IV, GIDC, Vatva
Ahmedabad, Gujarat 382 445
☎ 079 – 4032 3330 • Mob: 93287 39901, 93770 39904
E-mail: info@technoind.com

Vacuum Pumps

PPI Pumps, an ISO 9001: 2008 certified company, and is one of India's largest vacuum pumps manufacturers. They offer a range of vacuum pumps in different sizes and capacities:



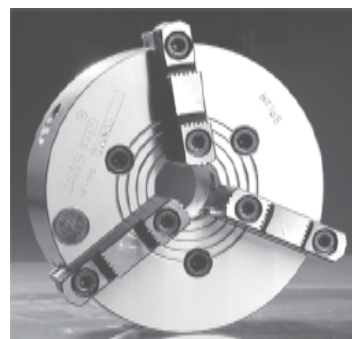
Close Couple Vacuum Pump CC Series (pix, left) – Suction capacity: 20 to 200 m³/hr; Power consumption: 0.75 kW to 5.5 kW; Maximum vacuum: 700 mm of Hg (G). Used in plastic industries and breweries. PRV Series Liquid Ring Vacuum Pump – Suction capacity: 7200 to 16000 m³/hr; Power consumption: 110 kW to 500 kW; Maximum vacuum: 700 mm of Hg (9G); widely used in Pulp and paper industries, and Sugar mills.

Contact:

PPI Pumps Pvt Ltd
14 & 16 C, Phase 1, GIDC Estate, Vatva
Ahmedabad, Gujarat 382 445
☎ 079 – 2583 2274, 3251 6741 • E-mail: sales@pipumps.com

Preci Chucks (Quick Jaw Change Chucks)

Highly accurate chucks with a unique in design requiring no scrolls and cams. The chuck body is made of carbon steel forging and fitted with hardened and precision ground guides to ensure long lasting accuracy. The chucks are suitable for high spindle speeds. The jaws can be reset in less than one minute. Accuracy is obtained by grip grinding. It is also possible to mount soft jaws. An additional set of base jaws for mounting soft jaws can be used in the setup for higher productivity. Preci Chucks provides maximum gripping power in minimum space. This results in less operator fatigue and deeper depth of cut. These chucks can reduce the setup time for the machine thus allowing for an increased and efficient production system; and are one of the most accurate and reliable chucks available.



Contact:

The Jaws Manufacturing Co
103 Ramtekdi Industrial Estate, Hadapsar
Pune, Maharashtra 411 013
☎ 020 – 2687 7842 • Fax: 020 – 2687 7846
E-mail: jaws@jawsindia.com

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196, Haroon Building, Beside Geeta Bhuvan Restaurant,
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 E-mail: sales@citroenswg.com
 citroenswg@gmail.com
 Website: citroenswitchgears.com



Fastener Handling Slat Conveyors

Anyway Engineering manufactures fastener handling slat conveyor (Hinge Type with side chain). It is a specially designed and state-of-art manufactured conveyor is highly used in Fastener, and Automobile industries. This conveyor is also used as Chip conveyor. The company's time proven design in field of Slat Conveyors has achieved them of better designs, efficiency and quality. Features include: High quality slats; rigid construction; Low maintenance; efficient design.



Contact:

Anyway Engineering

Factory No: 3, Sonarpada (Mhatre Pada), Near Tempo Naka Behind W-230, Phase-II, Dombivli (East), Maharashtra
Mob: 98214 65799 • E-mail: anywayengg@gmail.com

Chemical Dosing & Metering Pumps

Unique Dosing Systems Pvt Ltd, an ISO 9001: 2015 certified company offers all types of Chemical Dosing/Metering Pumps, Agitators and Dosing Systems. The Company is CE/ISO 9001: 2015/ISO 14001: 2015/4500: 2018 certified; it is serving clients with simply best products range. Easy installation, low maintenance, robust constructions are few of the features that make the range preferred choice of clients. The products' applications are in Water, Effluent Treatment, Pharmaceutical, and Cement, Sugar, Oil and gas, and Food and Beverage industries. The products range includes: Urea Dosing System, Agitator, Boiler Dosing System, Lime/Alum Dosing System, Multihead Dosing Pump, Hydraulic Actuated Diaphragm Pump, Plunger Type Pump, GNP Dosing Pump, Hypo/Poly Dosing System, Electronic Dosing Pump, Mechanical Diaphragm Pump, Acid Dosing System, Caustic Dosing System, Flocculent Dosing System, Bladder Type Dampener, Calibration Pot, Resonator, etc.



Contact:

Unique Dosing Systems Pvt Ltd

Plot No: M88, MIDC, Ambad, Nashik, Maharashtra 422 010
☎ 0253 – 238 6610 • Mob: 98224 20535
E-mail: info@uniquedosing.com

Engineering Unit

Nippon India offers microprocessor based engineering unit with Hi and Lo alarm setpoint with relay O/P and process value (PV) re-transmission. 4-20 mA DC with 24 V DC transmitter supply. All inputs and range selectable from the front panel switches. Features: T/C Type: J, K, R, S, T, E RTD Type: Pt-100/CU-53; Analogue: 0-10 V DC/4-20 mA DC (Scalable – 1999 to 9999 with selectable DP); Display: 0.8" height, 4-digit; Mains: 24 V DC; Dimensions: 48 (h) x 96 x (w) 78 mm (d).



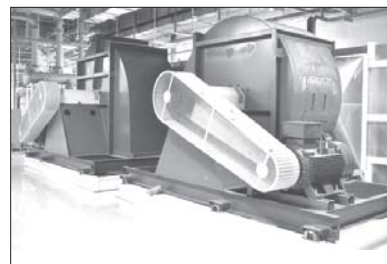
Contact:

Nippon India

237/8 Sonal Link Indl Estate, Building No: 2 Link Road, Malad (W), Mumbai 400 064
☎ 022 – 4062 0000
E-mail: info@nipponindia.com

Centrifugal Blower

Trimech Engineers offers Centrifugal. The Company has been designing and supplying custom Air Pollution Control System and Bulk Material Handling Systems, and has built a brand reputation as a manufacturer of custom built industrial fans that solve a variety of problems in industrial plants. The fans perform in variety of harsh conditions from dusty to high heat environments. Trimech is having track record of designing fans to serve variety of airflow requirements for industrial processes and air ventilation systems. The fans and blowers act as perfect equipment for fume, smoke, and dust, corrosive atmosphere in furnaces, boiler, ovens and cement plants. Features of Centrifugal Blower: Impellers are Dynamically Balanced as per ISO Standard; Customized Drive arrangement; Forward curved, Backward curved, Radial Fan and Axial Fan Type; High Efficiency, Easy Maintainability; MOC offered in MS, SS; Coated impeller for special application. They are used for the purpose of pneumatic conveying, high air volume applications and exhaust processes in diverse industrial applications such as steel plants, cement plants, power plants, pulp and paper mills, sugar mills, waste water treatments, mines, process plants and others.



Contact:

Trimech Engineers Pvt Ltd

7 Giriraj Industrial Area, Opp: Screenotex Engg Pvt Ltd Paldi-Kankaj, Old Ahmedabad-Bhavnagar Highway, Daskroi Ahmedabad, Gujarat 382 425
☎ 079 – 2970 9445 • Mob: 99240 85697
E-mail: info@trimechindia.com

Material Handling Equipment

Technovision Engineers Pvt Ltd (TEPL) is one of the leading manufacturers of Material Handling Equipment. The core focus of the company lies in superior quality and ex-



cellent customer service. With expertise and constant innovation in the industry, the company also undertakes turn-key projects with design, manufacturing, supply, erection and commissioning activities. The company is one of the front runners in Lean Manufacturing Solutions in India with an ISO 9001-2015 certification. The production house has the capability to conduct in-house R&D and the company possesses exceptional talent for designing in terms of manpower, knowledge and technology. Technovision owns six manufacturing set-ups. Products range includes: Vertical Reciprocating Conveyors, Flexible Roller Conveyors, Telescopic Belt Conveyors, Sidewall Belt Conveyors, Expandable Truck Loading Conveyors, Truck Loading Conveyors, Slat Chain Conveyors, Belt Stacker Conveyors, Gravity Roller Conveyors, Mobile Belt Conveyors; Pallets and Trolleys; Pipes and Joints; and Casters.

Contact:

Technovision Engineers Pvt Ltd
Gat No: 1559-1560, Dehu Alandi Road, Shelar Vasti
Chikali, Pune, Maharashtra 412 114
Mob: 77740 20056 • E-mail: sales@technovisionengrs.com

Industrial Lifting Equipment

Wave Tools & Technologies manufactures and supplies Industrial Lifting Equipment like Vacuum Lifters, Air Balancers, Crane Systems, Special Purpose Machinery, Industrial Manipulators, Pneumatic Lifters, Material Handling Equipments, Overhead Rail Vertical Lifter Crane (Pix), Gravity Air Balancer, Manipulator Arm System, Air Vacuum Cleaners and Pneumatic Tools, Wrenches, Jib Cranes, Ergonomic Material Handling Solutions, Line Automations, Conveyors, Vacuum Lifters, Electric Hoist, Zero Gravity Air Balancers, Light Profile Aluminium Cranes, Articulated Arms, Automotive Lifting Aids, Assembly Tables, and Fixtures, etc.



Contact:

Wave Tools & Technologies
415/30, Plot No: 3B, I Park, Opp: BWSSB KIADB Main Road
2nd Phase, Peenya Indl Area, Bengaluru, Karnataka 560 058
Mob: 94483 64818, 98451 78520 • E-mail: wavetools@gmail.com

Cylindrical/Taper & Grooved Pins

R K Engineering Co manufactures and supplies cylindrical, taper and grooved pins. Cylindrical (dowel) pins are used to retain parts in a fixed position or preserve their alignment. These cylindrical hardened pins are manufactured to IS: 6689 and unhardened to IS: 2393, while taper pins manufactured to IS: 6688 are preferred for parts that have to be taken apart frequently in which case, cylindrical pins would tend to wear the holes. Grooved pins have three parallel equi-distance longitudinal grooves impressed on their exterior surface. These grooved pins are manufactured to IS: 7368 (DIN-1471), IS: 7385 (DIN-1472), IS: 7383-86 (DIN-1475), DIN-1473 and DIN-1474. Also manufactured are non-standard pins as per customer's requirements.

Contact:

R K Engineering Co
12 Nanik Motwane Marg, Opp: HDFC Bank
Fort, Mumbai 400 023
☎ 022 - 2267 1141
E-mail: rkenggcomp@gmail.com



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kwedos
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Bodakdev, Ahmedabad 380 015.
Mobile : 99251 11749 • Telefax: 079 - 2687 0311
E-mail: sales@kwedos.com / info@kwedos.in

Industrial Fasteners

Kapson India is a govt. recognised One Star Export House, and is an ISO: 9001: 2015 and 14001: 2015 certified company that manufactures quality products such as Industrial Fasteners, All Threaded Rods/Threaded Bars (as per DIN 975/976), Tie Rods/Coil Rods, U Bolts, Channel Spring



Nuts, Scaffolding and Formwork Accessories, Strut Supports and other Fixings, etc. Fasteners are available in Finishing/Coating: Electro Zinc Plated (Bluish White and Yellow Golden), Mechanical Galvanizing, Hot Dip Galvanizing, Auto Black, Rilsan Blue, etc. Products applications are:



HVAC, Cable Trays, Plumbing, Railways, Wind Turbines, Solar Panels, Construction and Building Interiors, Heavy Duty Structures, etc.

Contact:

Kapson India

Plot No: 1250/D-27, Jaspal Bangar Road

Industrial Area-C, Ludhiana, Punjab 141 122

Mob: 84270 00124, 76962 88000

E-mail: sanjay@kapsonindia.in

SS Fasteners

Raajratna Ventures Ltd, an ISO 9001: 2015 Certified Company manufactures and exports Stainless Steel Fasteners such as Bolts, Screws and Rivets, Threaded Rods/Studs, Nuts, U-Bolts, Wire Nails, etc.

Contact:

Raajratna Ventures Ltd

1402, 14th Floor, Phoenix, Nr: Honest Restaurant

Vijay Cross Roads to Commerce Six Roads

Navrangpura, Ahmedabad, Gujarat 380 009

☎ 079 – 2756 1915, 2756 1918

E-mail: domestic@raajfasteners.com

Automatic Folding Doors

Avians Innovations Technology Pvt Ltd, an ISO 9001-14001-45001 Certified Company offers Folding door, which can be installed to a varied size of openings. Requiring less back run, folding doors need less space for parking, giving clear opening and eventually reducing the chances of accidents. With both single and bi parting option, puff insulation and other features the folding doors are available in a wide



range with remarkable variations. Made of strong metal surfaces, these doors act as a shield against extreme climate conditions. Features: Top and bottom track facilities; Curved track allows the partition to move around corners and park in less space so can get full opening area; EPDM profiles are fitted to all vertical edges, providing complete sealing against dust; Available as motorized and manual operated version; Multi foldable panel structure with single or bi parting type. Avians' products range includes: Extra Large Hangar Doors, Motorized Entrance Gates, Dock House, Dock Seal and Shelters, Dock Levelers, Rolling Shutters, High Speed Doors, etc.

Contact:

Avians Innovations Technology Pvt Ltd

Gat No: 60-61, Dehu-Moshi Road

Chikhali, Pune, Maharashtra 411 062

☎ 020 – 7140 0600 • Mob: 83903 00400

E-mail: sales@avians.co.in

Pressure Tank PumPlus

Assa Aqua Enterprises LLP offers PumPlus Pressure Tank, which is an essential part of a pressurized water system that provides water pressure at a set level. The tank stores supplemental water between diaphragm and liner, and the pressurized air chamber is able to create a supply circle. This process reduces the number of times the motor need to start in order for the system pressure to remain at the set level. The tension of diaphragm maintains water pressure within the system, ensuring proper operation of the dishwasher and washing machine, and robust flow for showering and bathing. PumPlus pressure tank is an energy saving device and no maintenance is needed. A properly sized pump and pump tank will work as a team to meet your needs and will deliver many years of dependable service.



Contact:

Assa Aqua Enterprises LLP

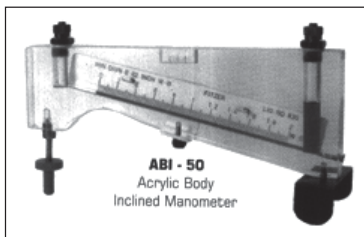
C-346, Sheikhsarai Phase-1, New Delhi 110 017

Mob: 98105 04587, 97406 06001

E-mail: info@assaquaenterprises.com

Acrylic Body Manometers

Fitzer Instruments offers solid acrylic body U-tube, inclined and single limb type manometers, which are accurate and dependable as well as highly versatile for many applications. Scales are graduated to correct for the drop in the well level for inclined and single limb manometer for high accuracy. General specifications – Body: fabricated in 25/32 mm thick acrylic plastic solid block virtually unbreakable stable and free from distortion; Scale graduation: plastic milky white printed scale; Manometric fluid: red gauge oil, specific gravity 0.823; End connection: 1/4" BSP (F) or PVC nozzle type; Packing: Neoprene/PTFE; Mounting: wall panel and flush mounting holes; Accessories: Plastic box contains liquid storage bottle and liquid filling funnel arrangement – zero adjusting knob, level bulb; Accuracy: $\pm 0.25\%$, $\pm 0.1\%$ of FSD or better; Test pressure: 1.5 time of operating pressure; and Temperature: below 70°C.



Contact:

Fitzer Instruments Company (India)
Atali, Near Ambivali Station (W), PO: Mohone
Tal: Kalyan, Dist: Thane, Maharashtra 421 102
Mob: 86918 16354 / 86918 16355 / 86918 16356
E-mail: fitzergujarat@rediffmail.com

Round Disc RO

Nirtech Pvt Ltd offers Round Disc RO. Its advantages are: Can handle high TDS, COD, BOD, SDI; Offer higher recoveries; Higher pressure available 60, 75, 90, 120 bar; Less susceptible to fouling and scaling; Modules are easy to clean and maintain; Easy replacement of Membrane cushions. The specialized RD RO is used for highly polluted waste water treatment/reuse with high efficiency. The module is vertically mounted with octagonal membrane cushions and round hydraulic disc (ABS). It is an open channel feed flow system and can take higher TSS/SDI. Permeate is taken out from the centre from each individual membrane cushion. The module has top and bottom end flanges with Lip seals. The outer cover comprises FRP vessel. Applications: Effluents in Pharma, Chemicals, Breweries, Textiles, Tanneries, Starch, Automobiles, Paints, Dyes, Pesticides, etc; Existing RO rejects; Leachate; Desalination; Brackish Water/Grey Water/Ground Water.



Contact:

Nirtech Pvt Ltd
A 2/2, Jai Ambe Indl Estate, Pimplas, Mumbai Nashik Highway
Bhiwandi, Dist: Thane, Maharashtra 421 311
Mob: 83693 45173, 99204 63699 • E-mail: nirtech@gmail.com

Scales for all your CNC Solutions

GVS 900 - Incremental Optical Scale for Large Machines



- Incremental optical scale, available in a single piece or in modular version for large machines (up to 30040 mm of measuring length or higher on request).
- Application in various industrial fields such as machine tools, vertical lathes, gantry machines, laser/plasma cutting machines, robotics, automation, etc.
- Stainless steel grating, integral with the machine guide, for an excellent accuracy at any temperature.
- Resolutions up to 0.1 μm . Accuracy grade $\pm 5 \mu\text{m}$.
- Rigidly bound modules, for a perfect seal against liquids and environmental dirty, unaltered over time.

GVS 908 - Absolute Optical Scale for Large Machines



- Absolute optical scale, available in a single piece or in modular version for large machines (up to 30040 mm of measuring length).
- Application in various industrial fields such as machine tools, vertical lathes, gantry machines, laser/plasma cutting machines, robotics, automation, etc.
- Stainless steel grating, integral with the machine guide, for an excellent accuracy at any temperature.
- Serial interface SSI-BiSS C (unidirectional), with or without 1 Vpp analog signal, Siemens DRIVE-CLiQ and FANUC α -ai. Direct reading of absolute measure.
- Resolutions up to 0.1 μm . Accuracy grade $\pm 5 \mu\text{m}$.



GIVI MISURE PVT LTD



Plot No 488, VITC Export Bhavan, KIADB Complex, 14th Cross, IV Phase, Peenya Industrial Area, Bangalore 560 058

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E-mail: info@givimisureindia.com / admin@givimisureindia.com • Website: www.givimisureindia.com

Roo Tilt Bins

Alkon Plastics Pvt Ltd supplies Roo Tilt Bins, which are designed with meticulous care for storage applications where products need to be stored, viewed and retrieved quickly. Roo Tilt Bins are a two-component binning sys-



tem comprising a cabinet and tilting bin that pivots at the front bottom edge of the Bin. Roo Tilt Bin is available in four sizes; and its Cabinet is made from High Impact Polystyrene (HIPS) and the Bin is made from High Strength Transparent Polystyrene. Polystyrene has excellent physical properties and the material is long lasting. The Bin is Transparent in colour and Cabinet is Light Grey RAL 7035 in colour. Features: The same size of Roo Tilt Bin can be stacked one on top of each other. With help of the ergonomically designed plastic clips, which are provided with Roo Tilt Bins, the same can be mounted on the various Louvre Panels available in their range. Holes are provided on the back wall of the Bin Cabinet, which can be used to directly screw the Roo Tilt Bin on to a wall. The bins can be interlocked side by side which makes it a self-supporting structure and helps in making long runs of the Bins depending on the need and space availability. To build self-supporting structures, the company provides standard solutions to make Wall Mounted structures, Single and Double Sided Stands and Trolleys. Roo Tilt Bins have large front handles with ergonomic grip, which ensures ease of operation of the drawers. Paper indicator slots are provided on the Roo Tilt Bins to accommodate paper labels for easy identification of the products stored inside the Roo Tilt Bins. Roo Tilt Bins are designed to be completely enclosed in the Cabinet when not tilted this prevents dust and dirt entering the storage area of the Roo Tilt Bins. Roo Tilt Bins are space saving and helps in keeping small and medium parts well organized with easy access; and are ideal for Hospitals, Medical Stores, Workshops, Offices, Garages, Hardware Stores, Warehouses and Innumerable places where organized storage is required.

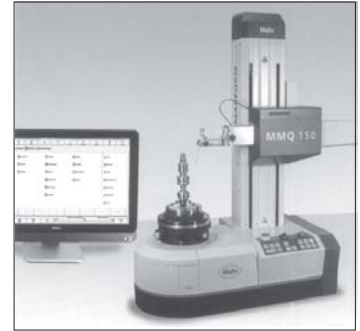
Contact:

Alkon Plastics Pvt Ltd
801 Embassy Chamber, 3rd Road, Khar (West), Mumbai 400 052
☎ 022 – 6501 2010, 2604 5370
E-mail: sales@alkonplastics.com

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MarForm MMQ 150

Mahr Metrology India (P) Ltd offers MarForm MMQ 150 Cylindricity, which is Measuring Machine for Testing Deviations of Form and Position. It is for use in the production area or in the measuring room. Quick and easy handling; Measuring accuracy, optimized for Cylindricity; Minimizes scrap, saves time and reduces production costs; With universal probe T20W. Description: For proving the quality of your products, the MarForm MMQ



150 assesses the deviations of form and position as per DIN/ISO 1101 and documents them. Among these are: Roundness; Straightness; Flatness (from a polar trace); Parallelism; Conicity; Concentricity, coaxiality; Run-out, total run-out; Cylindricity; Taper; Perpendicularity (from a polar trace); Angularity; Angle sector (roundness, flatness, run-out); Straightness evaluation sections. Features: High-precision measuring axis polar (C); Motorized measuring axis, vertical (Z); Motorized positioning axis, horizontal (X); Measuring accuracy, optimized for Cylindricity tolerances; Manual centring and tilting table; Manual probe T20W; Ergonomical operator panel; special measuring programs can be started by pressing the keys (P1, P2, P3). Advantages are: Immediately recognize production errors; Minimize rework and scrap; Document product quality; Immediate use due to easy handling.

Contact:

Mahr Metrology India (P) Ltd
B-6, 4th Street, Reddipalayam Road, Mugappair West Estate
Chennai 600 037
☎ 044 – 4617 5555 • Toll free: 1800 102 5317
E-mail: mahrindia@mahr.in

Sensors

Salzer Electronics Limited offers a range of Sensors such as Speed Sensors: Active/Passive Sensors with speed range up to 30,000 rpm in Square/Sine wave output; Position Sensors: Active/Passive Sensors with Rotation angle 0.90/0-180° and 0-360° with Analogue/Resistive output signal; Temperature Sensors: NTC/PTC types with Resistive output signal; Pressure Sensors: Absolute/Relative pressure from 0 to 1000 bar with Ratio metric voltage/current output signal, with different ingress protection of IP65/IP67/IP69K.



Contact:

Salzer Electronics Limited
Samichettipalayam, Coimbatore, Tamil Nadu 641 047
☎ 0422 – 423 3600, 269 2531
E-mail: salzer@salzergroup.com

Screw Conveyors

Screw Conveyor is among the simplest and most versatile type of Material Handling Equipment. MASYC offers – Standard Pitch, Short Pitch, Variable Pitch, Double Flight, Tapered Flight and Ribbon Flight Screw Conveyors to suit various applications. The Screw Flights are formed on the hydraulic press so as to maintain accurately the screw dia, pitch and the helix angle. Single Shaft, Double Shaft Paddle Conveyor mixers are also available. Screw conveyors handling highly abrasive material can be designed without hanger bearings up to the length of 12 m. MASYC an ISO 9001: 2000 Company has a formidable presence in the market in Bulk Material Handling Systems and Equipments. They have more than 30 yrs. of experience in turnkey execution of Bulk Material Handling Systems. Their products range of various conveying systems and equipment suit and match all the requirements in different processing industries like Cement, Steel, Coal, Pulp and Paper, Glass, Fertilizers, Mining, Power, etc.



Contact:

MASYC Projects Pvt Ltd
23 Community Center, Mayapuri Phase-I, New Delhi 110 064
☎ 011 – 2811 5745, 2811 5453 • Fax: 011 – 2811 6850
E-mail: masyc@masycproject.com

High Quality Firefighting Panel

Koyka Electronics offers High Quality Firefighting Panel. Their features are: the panel is manufactured by experts using high grade components and innovative technology; this panel is available in different designs and sizes as per the needs of clients within a specific time frame; it works both in manual and auto mode; when pressure drops, the booster pump starts automatically to keep the main line at the desired pressure; if the main line pressure drops further or there is a sudden drop in pressure, the hydrant pump starts automatically to keep the main line at the desired pressure with an alarm hoot. Koyka is a manufacturer, importer, exporter of various types of sealing machines, packaging machines, filling machines, powder packing machines, food processing machines, etc.



Contact:

Koyka Electronics Pvt Ltd
Plot No: 111, Pandit Place, Tirkha Colony
Sector 6, Faridabad, Haryana 121 004
Mob: 98105 01205 • E-mail: harsh@koykagroup.co.in

Auto Tune PID Controllers EC Series

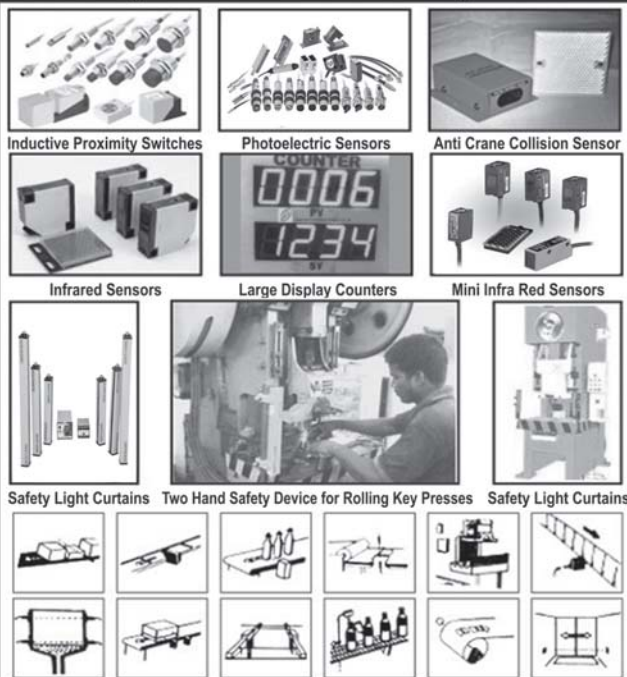
Nippon India offers EC Series controllers that are micro-processor based controllers, and have been designed with high accuracy input, various output option with good reliability and repeatability. EC Series used PID Algorithm to implement excellent control for wide range of applications like Temperature, Humidity, Pressure, Flow and PH as well other Process controls. EC series AT Auto tuning function can calculate the optimized PID value for your control system to avoid manual setting in different process conditions. Features – Universal input sensor (J, K, R, S, T, B, E, Pt-100, 0~20 mA, 4~20 mA, 0-10 V DC); Main control O/P: Relay, SSR, 4~20 mA DC; Alarm: Relay 93 A); Display: 4-digit PV/4 digit SV); Visual LED indication: Control O/P, alarm, auto tune.



Contact:

Nippon India
237/8 New Sonal Link Indl Estate, Bldg No: 2
Link Road, Malad (W), Mumbai 400 064
☎ 022 – 4062 0000 • Fax: 022 – 4062 0099
E-mail: sales@nipponindia.com

SENSORS, SAFETY LIGHT CURTAIN, COUNTERS



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 Telefax: (0253) 2355498, 2352760 • Mob: 093739 07348
 E-mail: photoncontro@gmail.com / mukund@photoncontrols.com
 Website: www.photoncontrols.com



Adjustable Mode Beam Lasers YLS-AMB Series

IPG Photonics offers YLS-AMB Series Adjustable Mode Beam Lasers, which provide up to 25 kW total output power with automatic tuning of output beam mode parameter. The central core delivers up to 9 kW output power at 100 µm core. The independent programmable adjustment of the output beam mode to any combination of a small-spot high intensity bright core to a larger ring-shaped beam allows processing a wider range of material thicknesses and improves piercing and cutting speed and quality, as well as optimizing welding performance without need for external free-space optics such as optical switches, zoom process heads and other peripherals previously required to support this level of flexibility. With industry record output power, the YLS-AMB Series fiber lasers enable optimal processing of both thick and thin materials by the same laser. Features: Rapid Automatic Switching between applications with Different Optimal BPP; No Need for External Optics to adjust BPP; Total output power up to 25 kW; Central Core Power up to 12 kW; Easy Process Optimization and Automation; Cost-effective Solution to most Complex Tasks; Wall Plug efficiency Greater 45%; Maintenance-free operation; and Industry Leading Reliability. Applications: Multiple application by the Same Laser; Requiring On-the-fly adjustment of Beam Brightness; Requiring Non-uniform intensity Distribution; Demanding High-quality cutting applications; 2D/3D thin and thick metal cutting and welding; Variable thickness cutting; Improved Pierce quality; Improved welding and brazing quality; Processing any Metal: Mild and Stainless Steel, Titanium, Copper, Brass and Aluminium.



Contact:

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☎ 080 – 7117 2555 • Mob: 95606 08808
E-mail: sales.india@ipgphotonics.com

Electrical Projects Services

Rulka Electricals Pvt Ltd, an ISO 9001: 2015 Certified and is an electrical supply and services company. The services offered are: Electrical Projects Services; Earthing and Lighting Protection Systems; Turnkey Project Contracting; Solar Power Projects; Electrical Power Panels; LV Systems, Fire Detector System, CCTV/IP CCTV/PA System, and Data and Networking System.

Contact:

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A20/B-108/B-109 Shiva Industrial Estate
Lake Road, Bhandup (W), Mumbai 400 078
☎ 022 – 4127 6806 • Mob: 95947 03960, 81085 99750
E-mail: sales@repservices.com

SS Screws

KOA offers high quality screws to meet any challenging industrial specifications and needs. We are a group of entrepreneurs who want to create our own niche in the field of manufacturing engineering products. At KOA, we offer a large, well-equipped infrastructure providing different divisions for manufacturing processes, warehousing, research and development and many more. Our research and development infrastructure helps us conduct newer methodologies, and experiment with innovative ideas. We take special pride in providing our customers with the highest quality of products. The products range includes: SS CSK Slotted Self Tapping Screws, SS Pan Slotted Self Tapping Screws, SS CSK Philips Self Tapping Screws, SS Pan Philips Self Tapping Screws, Drywall Gypsum Screws SS 410, SS CSK Slotted Wood Screws, SS Carriage Bolts with SS nuts and washers, etc.

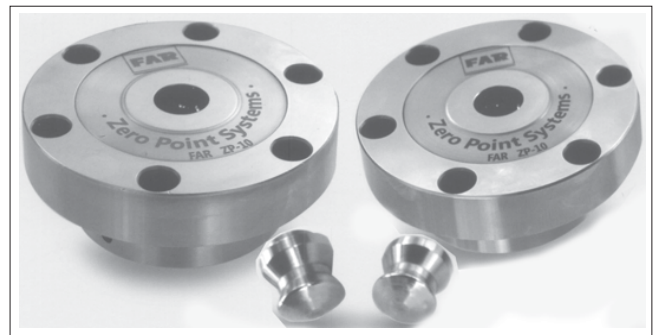


Contact:

Satya Industries
Industrial Area, Nr: OP Jindal Modern School
Hisar, Haryana 125 001
☎ 77550 57628, 98123 38058
E-mail: satyaindustriesindia@gmail.com

Zero Point Systems

Fenwick And Ravi offers Zero Point Systems for quick and precise clamping and referencing of fixtures and work piece on all machining centres. Salient Features: Accurate Posi-



tioning of the component; Rigid Clamping of the job; Easily suitable for manual and automatic loading/unloading of machines; Up to 90% saving on machine set-up time; Reduction of rejection from better control of the loading process; Suitable for controlling Multiple machines; Provided an optional feature – Pneumatic blowout for chips removal; High repeatability < 0.01 mm.

Contact:

Fenwick And Ravi
10/3 Lakshmi pura Main Road, Abbigere
Bengaluru, Karnataka 560 090
☎ 080 – 2325 3901 • Mob: 98800 10506, 98800 19660
E-mail: farexports@far.co.in



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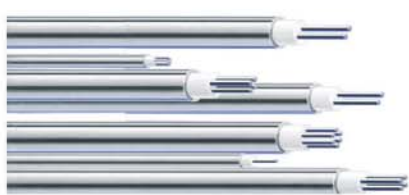
237/8, Sonal Link Industrial Estate, Building No: 2, Link Road, Malad (W), Mumbai 400 064
Tel. : 022 - 4062 0000
E-mail: sales@britishelectricals.com Website: www.britishelectricals.com



SUMO® LED Panel Indicators



Temperature Transmitters



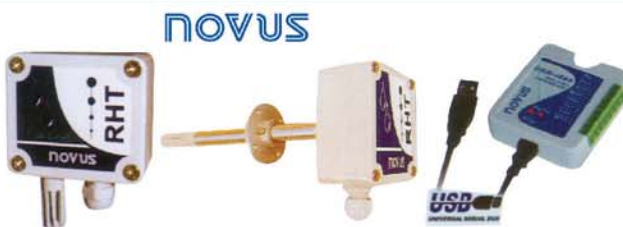
M.I. Thermocouple Cables



Thermocouple Cables



Thermocouple Connectors



Relative Humidity & Temperature Transmitters



Ceramic Infrared Heater

Infrared Heater - Short wave

Standard range of short wave IR Heater				
Code	Heated HL (mm)	Length OL (mm)	Overall Length (W)	Wattage Voltage (V)
SW500	127	212	500	240
SW1000	254	348	1000	240
SW1600S	406	500	1600	240
SW1600D	406	500	1600	415
SW2000S	508	626	2000	240
SW2000D	508	626	2000	415
SW2500D	635	728	2500	415
SW3000S	508	626	3000	240
SW3000D	765	1120	3000	415

All the above lamps are with round ceramic cap and 100mm long lead wire at both ends.
For horizontal mounting application only

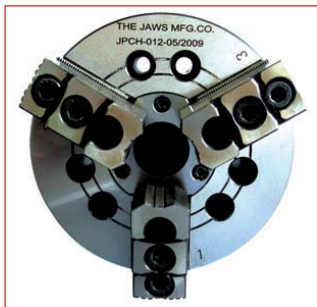


Film & Wirewound RTD Element

SERVICE TO INDUSTRIES SINCE 1971

Power Chucks

Power chucks are manufactured in 2, 3, 4, 5, 6, 8 and 12 jaw Types up to 800 mm diameter. Range: 80 mm to 800 mm in close centre type, and 135 mm to 800 mm in high speed hollow type. The chuck body is made of alloy steel-robust construction, the hard jaws, base jaws, wedge are hardened and ground to suit customer needs. Features: Front opening design saves cleaning and servicing time since chuck does not need to be taken off from spindle;



Clamping and declamping time is saved; Higher rate of material removal is possible; Keying time saved, hence operator fatigue is also eliminated; Repeatability maintained within 30 microns. Technical Features – Body: Alloy Steel; Guide Ways: Hardened and ground; Wedge: Hardened and ground on all surfaces; Base Jaws: Guided in deep, wide, hardened slots on the body with serration on the top surface; Hard Jaws: Case hardened and ground. Also offers Soft Jaws, Hard Jaws and Special Jaws. The Company manufactures soft jaws and hard jaws in the following types: 1.5 mm x 60° serrations - these are suitable for Kitagawa, Pratt Burnerd, Howa, Schunk, etc, chucks; 1/16" x 90 serrations; also have facilities to manufacture any serration be it 1.5 mm x 60, 2 mm x 60, 2.5 mm x 60, 3 mm x 60, 3/32" x 90, etc; Tongue and Groove type jaws also known as Tenon type jaws; Teeth type jaws - for scroll operated chucks. Jayesh specialises in the manufacture of jaws as per customer drawings/requirements.

Contact:

Jayesh Enterprises

103 First Floor, Ramtekdi Industrial Area

Hadapsar, Pune, Maharashtra 411 013

Mob: 91588 66112, 91588 66113, 91588 66114

E-mail: jawssales@jawsindia.com

Digital Pressure Gauges + Transmitter

Arbuda Instruments offers Digital Pressure Gauges + Transmitter. Features: Nominal size: 63 and 100 mm; Accuracy: +0.25% and 0.15% of full scale; Case and Bezel: ABS plastic and aluminium anodized; Wetted parts: SS 304L/DD 316L; Scale range: -1 to 700 kg/cm²; Battery life: 2 years power saving mode/1000 hrs cont. Applications: Generally used for corrosive gases and liquid media and for calibration lab use.



Contact:

Arbuda Instruments

E-11/1 GIDC Sector-26, Gandhinagar, Gujarat

Telefax: 079 – 2328 7990 • Mob: 82649 37896

E-mail: info@arbudainstruments.com

Reversible Hammer Crusher

MASYC, an ISO 9001-2008 certified company specializes in the field of Bulk Material Handling System, Conveyor Equipment, Crushers and Screens etc. The Reversible Hammer Crusher is manufactured based on proven technology and under in-house strict quality control. It has the unique design feature such as Welded Casing, Screwed Liner with High Carbon Steel Plates, Hammer heads made of chrome alloy cast steel or manganese steel depending upon the application. Rotor shaft is made out of forged steel, Hammer grinding path with Wear Resistant Plates, which are Mechanically/Hydraulically adjustable and Dust Proof Spherical Roller Bearing. It crushes material in two stages ie, initially the material is reduced by impact between hammer and material followed by scrubbing action (attrition) against breaker plate. Masyc Reversible Hammer Mill is used for Hard Coal, Lignite, Cooking Coal, Lime Stone, Gypsum and other soft and medium hard material. These Mills are rugged in structural, design and easy to maintain, having high throughput and low wear. The maximum reduction ratio can be as high as 12:1 depending upon the WBI of the material. The Company can offer Reversible Hammer Crusher up to a capacity of around 700 TPH and having Rotor dia 2000 mm.



Contact:

Masyc Projects Pvt Ltd

23 Community Centre, Mayapuri, Phase-1

New Delhi 110 064

☎ 011 – 2811 5453 • Fax: 011 – 2811 6850

E-mail: masyc@masycproject.com

Servo Stabilizers

Able Electric Services offers a range of Stabilizers such as Servo Stabilizers, Power Conditioning Units (IGBT Static Stabilizer), Isolation Transformers, K Rated Transformers, CVT, UPS, APFC Panels, Harmonic Filters, etc., Auto Transformers, Online UPS, Servo Stabilizer Air Cooled, and Oil Cooled; Static Stabilizer (Residential), Servo Stabilizer with Isolation Transformer, Non-standard input and output voltage ranges also available as per customer requirements.



Contact:

Able Electronic Services

No: 4/159-B, Vadavalli-Kanuvai Road, Opp: Sri Renganathar

Matric Hr Sec School, Kalappanaickenpalayam,

Somiyampalayam (PO), Coimbatore, Tamil Nadu 641 108

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H11 / AISI H11 / DIN 2343
H21 / AISI H21 / DIN 2581
H10 / AISI H10 / DIN 2365
H12 / AISI H12 / DIN 2606

ALLOY STEEL

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EN19 / AISI 4140 / 42CrMo4
EN31 / AISI 52100 / 100Cr6
41Cr4 / JIS SCr440H / AFNOR 42C4

COLD WORK STEEL

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HCHCR D3 / AISI D3 / DIN 2080
A2 / AISI D2 / DIN 2363
O1 / AISI O1 / DIN 2510
D5 / Cr12MoV / DIN 2601

SPRING STEEL

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SUP9 / AISI 5155 / DIN 1.7176
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Synthetic Heat Transfer Fluid, Maxothermie-550TM

Maxothermie-550 is a synthetic heat transfer fluid for the transfer of process heat in industries ranging from Textiles, Plywood, Chemicals, Vegetable oil extraction, Paper, Rubber, Road equipment, Paints, Pharma, Food, OEMs, Engineering, and allied industries. Maxothermie-550 has been specially formulated by process experts to withstand a wide range of operating process temperatures without losing its inherent service qualities and performance. Its features include: Operating process range: 14°F to 599°F; Withstand temperature Service Cycles; High Resistance to Oxidation; Long Service Life; Miscible/Mixable with all mineral and Synthetic Thermal Fluid Oils. Technical Properties of Maxothermie-550: Appearance: Clear Yellow fluid; Composition: Synthetic Hydrocarbon Mixture; Maximum Bulk Temperature: 305°C (extended use up to 315°C); Maximum Film Temperature: 335°C; Kinematic Viscosity at 40°C: 19 mm²/s (cSt); Density at 25°C: 867 kg/m³; Flash Point (ASTM-D92): 193°C; Fire Point (ASTM-D92): 238°C; Auto Ignition Temperature (ASTM-D2155): 366°C; Pour Point: -40°C; Boiling Point at 1013 mbar: 351°C; Coefficient of Thermal Expansion: 0.00096/C; Moisture Content: < 250 ppm. Maxothermie-550 fluid is designed for use in non-pressurized/low pressure, indirect heating systems. It delivers efficient, dependable, uniform process heat with no need for high pressures. The high boiling point of Maxothermie-550 helps reduce the volatility and fluid leakage problems associated with other fluids. While Maxothermie-550 has a relatively high flash point, it is not classified as a fire-resistant heat transfer fluid. Consequently, the use of protective devices may be required to minimize fire risk. The insurer of your property should be consulted in relation to this matter. Maxothermie-550 has been shown to be significantly less sensitive than mineral oils to the negative consequences (sludging, fouling) of thermal oxidation systems. The recommended optimum economic bulk temperature (581°C/305°C) is based on detailed thermal studies. Operation at or below this temperature provides long service life under most operating conditions. Maxothermie-550 can be utilized up to the extended maximum use temperature of 599°F (315°C). The Company also offers other products: Medium and low temperatures synthetic heat transfer products: Maxothermie-600, Maxothermie-HFF (Hot Flash Fluid) for system cleaning; and Maxothermie-FP (Food Grade).

Contact:

Nirmal Energy Limited
402 ISCON Elegance, Nr: Jain Temple, Prahladnagar X Roads
S G Highway, Ahmedabad, Gujarat 380 015
☎ 079 – 6616 8944 • Mob: 98258 04923, 99789 84510
E-mail: info@nirmalenergy.com

Built-in Cylinder Power Collet Chucks

The Jaws Manufacturing Co offers Air/Hydro Rotary Power Chucks with built-in cylinder. The Power Chuck is specially designed to help users to set up a power workholding system in a low cost way. With a built-in cylinder, it allows users to easily and quickly set up a power work-holding system. The system saves the cost of cylinder mounting flanges, draw bar/tube and connector. This Power Chuck also has quick change



Jaw/Collet design, helping you to cope with parts of various dimensions. The Power Chuck comes with both air and hydraulic models that range from small sizes to large ones, giving users more options to choose from. It can be applied to convert manual lathes to semi-auto ones with power workholding system, or can be applied to build all kinds of special purpose machines.

Contact:

The Jaws Manufacturing Co
103 Ramtekdi Industrial Estate, Hadapsar
Pune, Maharashtra 411 013
Mob: 91588 66112, 91588 66113, 91588 66114
E-mail: jawssales@jawsindia.com

Submersible Dewatering Pumps, DC Series

MBH Pumps (Gujarat) Pvt Ltd offers Submersible Dewatering Pumps, DC Series. Technical Specifications – Head: Up to 100 metres; Capacity: Up to 1000 m³/hr; HP: 1 to 85; Solid Size: Up to 15 mm; MOC: Aluminium with stainless steel; Frequency: 50/60 Hz. Applications: Cooling Tower, Jack Well Installation; Removing Dirty Water; Dewatering Pits; Open Cast Mining; Barge Mounted Dewatering. Since 1969, MBH Pumps manufactures and develops centrifugal pumps for submersible and surface installations. Over the years the Company has diversified its activity from the production of pumps for Agricultural applications to Domestic, Industrial, Municipal waste water, Slurry, Water intake and various other applications. All pumps are manufactured according to international standards and technical specifications of the customer to successfully satisfy many application areas.



Contact:

MBH Pumps (Gujarat) Pvt Ltd
Plot No: 14, GIDC Industrial Estate, Naroda
Ahmedabad, Gujarat 382 330
☎ 079 – 2282 3066, 2282 1018
E-mail: marketing@mbhpumps.com

INFRARED THERMAL IMAGING CAMERA MODEL - KM 308 / KM 309

It combines thermal imaging and visible light to display the target object imaging, which can measure all the pixel temperature of the target object, can quickly locate the abnormal temperature point, to reduce the users' diagnostic time.

SPECIFICATION :

■ INFRARED THERMAL IMAGING

- **Temperature Range :**
KM 308 : -10°C ~ 600°C (14°F ~ 842°F)
KM 309 : -10°C ~ 450°C (14°F ~ 842°F)
- **Resolution :**
KM 308 : 320 X 240
KM 309 : 220 X 160
- **Frequency Band :** 8 ~ 14um
- **NETD :** 70mK@25°C (77°C)
- **Temperature Accuracy :**
KM 308 : ±2°C or ±2% upto 450°C
±4°C or ±4% (450°C ~ 600°C)
KM 309 : ±2°C or ±2%
- **Field of View :**
KM 308 : Horizontal 56°, vertical 42°
KM 309 : Horizontal 35°, vertical 26°

■ VISIBLE (Digital Camera)

- **Resolution :** 640 X 480
- **Frame Rate :** 25Hz
- **LED Light :** support

■ DISPLAY SCREEN

- **Resolution :** 320 x 240
- **Display Size :** 3.5 inch
- **Image mode :** Outline fusion, Overlay fusion, Picture-in-picture, Infrared thermal imaging, Visible light

- **WiFi :** Support App & PC Software data Transmission
- **Camera Dimension :** 230 x 100 x 90 mm
- **Storage Capacity :** Built in memory about 6.6G available, can store more than 20,000 pictures
- **Picture Storage Mode :** Simultaneous storage of Infrared Thermal Imaging , Visible light & fusion images
- **File Format :** TIFF Format, support full frame pictures temperature analysis.
- **Data & Charging Interface :** USB Type-C (support battery charging & data transmission)
- **Open interface :** Provide WiFi interface SDK for Secondary Development



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OUR PRODUCTS VISIT :
www.kusamelectrical.com
E-mail : sales@kusam-meco.co.in

LCR Multimeters Model KM 460/KM 461

KUSAM-MECO has introduced 2 new models of LCR meter Model KM 460 and KM 461. These are handy models, for measuring the parameters of inductors, capacitors, resistors and other components. It operates on a 5 V lithium battery. It has a Colour Display 4½-digit for main parameters and a resolution of 0.0001 for secondary parameter. Model KM 460 has Frequency up to 100 kHz in steps. 100 Hz, 120 Hz, 1 kHz, 10 kHz, 40 kHz, 100 kHz. Model KM 461 also has Frequency up to 100 kHz but the Frequency is variable from 100 Hz-kHz. The basic Accuracy is 0.3%. The Display is 2.8 inches TET LCD with 5-digit. It measures L/C/R/Z and Auxiliary parameter X/D/Q/ESR. The Measuring Range is (L) 0-2000 H; (C) 0-20 mF; (R) 0-20 MΩ also has Calibration and Filtering function. The Backlight luminance and Auto power off can be adjusted.



Contact:

Kusam Electrical Industries Ltd
Shop No: 18, 1st Floor, CIDCO Shopping Complex
Plot # 9, Sector-7, Rajiv Gandhi Marg
Sanpada, Navi Mumbai 400 705
☎ 022 – 2775 4546, 2775 0292
E-mail: sales@kusam-meco.co.in

Hollow Shaft Encoders

Jayashree Electron offers Hollow Shaft Encoders such as: J-15H/T-SL – a very high performance economical encoder; Low profile 25.4 mm height and 38 mm dia; Thru-Bore (sizes up to 10 mm) up to 10 Pole commutation; Optional (for brushless motor control); and Excellent replacement for other manufacturers modular encoders. The J-260-ND-SL is robust hollow shaft encoder ideally suitable for induction motor. J-775-SL is available in large bore size; designed for industrial environment; with anti-rotation flex mount for quick and easy mounting; ideally suitable for elevator control. J-TNY-17 is suitable for miniature motor; Robotics; Machine tools; Packaging machines; Industrial sewing machines; Pick and Place machines; and Consumer Robots.



Contact:

Jayashree Electron Pvt Ltd
EL-12/13/34, J-Block, MIDC, Bhosari
Pune, Maharashtra 411 026
☎ 020 – 4690 1300 • E-mail: sales@jayashree.co.in

Pliers (VDE)

Taparia Tools offers VDE Pliers that's made from high grade alloy steel which enables the VDE Pliers best performance. The VDE Pliers are fully insulated with high quality sleeves, due to which it can withstand up to 1000 V AC. The high quality sleeve ensures comfortable and firm grip to the users. The company has added new range of Pliers like Combination Pliers, Long Nose Pliers, Side Cutting Pliers and End Wire Stripping Pliers, which enable precise wire cutting ability for soft and hard type of wires. The whole range of Pliers offered by Taparia Tools are immensely appreciated by the users. These Pliers are manufactured according to IEC 60900:2018. Taparia believes that Hand Tool is an extension of a human hand. Whereas human hand performs many remarkable activities but there comes a limitation e.g. where some nut or a screw has to be tightened, the human hand alone will not be able to do it and there comes the role of a Hand Tool, which means an extension of a Human Hand. Taparia Tools everywhere is well received respected and appreciated. Besides being a Brand Leader in India "TAPARIA" Tools are exported to a number of countries since its inception to UK, USA, Denmark, Israel, Germany, Sweden, Norway, Finland, Dubai, Kuwait, Tanzania, Kenya, Hong Kong, Thailand, Mexico, Brazil, Panama, Argentina, Paraguay, Uruguay, Ethiopia, Egypt, Australia, UAE, and Sri Lanka, etc.



Contact:

Taparia Tools Ltd
423/424, A-2, Shah & Nahar, Lower Parel (W), Mumbai 400 013
☎ 022 – 6147 8646 • E-mail: htaparia@tapariatools.com

CNC Tilting Rotary Tables

UCAM Private Limited, Rotary Indexing Solutions provider offers CNC Tilting Rotary Tables Sizes from 150 mm to 320 mm. Sizes from 150 mm to 320 mm; High grade CI Construction; Pneumatic/Hydraulic Clamping; and Dual Lead Worm gear set. Ucam's products range includes: CNC Deep Tilting Rotary Tables, CNC Large Size Tilting Rotary Tables, Linear Axis with SQ1200 Rotary Table, CNC Rotary Tables, Rotary Production System, Direct Drive Rotary Table, Large Bore Rotary Table, Cantilever Table, Spindle Tilting Head, Rotary Table Inside Machine Bed, HMC Rotary Tables, etc.



Contact:

UCAM Private Limited
A-11/12, 1st Stage, 1st Cross, Peenya Industrial Area
Bengaluru, Karnataka 560 058
☎ 080 – 4074 4712 • E-mail: info@ucamind.com

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A PLC controlled Fully Automated Surface-Finishing System to finish the surfaces of various parts and components in an efficient and consistent manner. This type of machine is typically used in mass-production environments where a high level of precision and consistency is required.

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- Aluminium Die Casting
- Jewellery
- Cutlery
- Surgical Instruments &
- Needle manufacturers
- Plastic Components
- Forged Components
- Aluminium & Zinc
- Components
- Hand tool manufacturers etc.



We also offer sub contract for: ■ Deburring ■ Polishing ■ Descaling ■ Radiusing ■ Super Finishing etc.

Trial batches are processed free of cost at our job shop to ascertain our process capabilities.

We also deal with Consumables needed for Surface Finishing operation.

CERAMED ENGINEERS LIMITED

(An ISO Certified Company)

No. B 67 & 68, III Stage, Peenya Industrial Estate, Bangalore - 560 058.
Phone: 0091-80-28360924, 28363040, 41171028 Mobile : +91 91645 04222
Email : sales@ceramedengineers.com, info@ceramedengineers.com



www.ceramedengineers.com

USB Pen Drive based Data Logger for Humidity and Temperature

Countronics offers a USB Pen Drive based Data logger for Humidity and Temperature. This state of the art logger automatically creates a data file compatible with MS Excel on the pen drive storing the Humidity and Temperature values along with the date and time stamp making it very simple to use. Just unplug the Pen drive and take it to your PC to view all the data. The unit allows the user to set the rate of logging from 1 second to 99 minutes. No need of any additional complicated software installations. The low cost Pen Drives offer very large storage memory space making this product very economical and easy to use for factory personnel. Capacitive sensor (Dry/Wet sensor also available on request) for humidity and Platinum based temperature sensor provide accurate values for humidity and temperature. Internal Real Time Clock allows data to be time stamped in real time. Available as a panel mounted version with 96 x 96 mm front facia and front loading USB Pen Drive in an ABS cabinet and aesthetically designed front panel.



Contact:

Countronics

M-95, Connaught Circus, New Delhi 110 001

☎ 011 – 2341 8487 • Mob: 98105 36887

E-mail: info@countronics.com

Metering Chamber

Excel Power Switchgear offers Metering Chamber. The features are: it is equipped on top of the breaker chamber and encased separately from the high voltage section; based on the customer's specification, protective relays, meters, control switches, indicating lamps, and other pilot devices are flush mounted on the hinged and lockable front door; and sufficient space is available inside the chamber to arrange all the secondary control equipment, fuses, MCBs, auxiliary relays, terminal blocks, etc. The company is a high tech manufacturing unit engaged in new products development, production, and manufacturing of low and medium-voltage switchgear. Excel has displayed rapid growth in the switchgear industry by attaching primary importance to a customer oriented approach and by producing quality products.



Contact:

Excel Power Switchgear Pvt Ltd

No: 39, First Cross Street, Achuthan Nagar

Poonnamallee Road, Ekkaduthangal, Chennai 600 032

☎ 044 – 2225 4870 • E-mail: sales@excelpower.co.in

CNC Turning Centre, ART Series

Jaewoo Machines Pvt Ltd offers CNC Turning Centre ART Series. Features: 100% Ball Bar Tested; 100% Laser Calibrated Axis; Powerful AC Spindle Motor; Thermally Stabilized Spindle; Cartridge Type Spindle Design; Effective Chip Disposal System; Pre-Tension Ball Screw Support; Thermo Symmetric Structure Design; Linear Motion Ball/Roller Guideways; Fanuc/Siemens Controller; Direct Coupled Axis Motors; Manual Pulse Generator; Precision Machining Capability due to minimal Thermal Error Design; Ergonomically Designed Machine Enclosure; User-friendly Operation Panel configuration; PMF-Fanuc (Predictive Maintenance Feature 4.0); Compact Design for minimum floor area requirement; Separate Coolant Tank for easy maintenance; High Grade FG300 Castings for Higher Strength; Pulley Ratio to ensure full power availability at Lower RPM; Electro Mechanical/Hydraulic Bi-Directional Turret; High Performance Digital Motor for Spindle and Axis; Centralized Lubrication System; Absolute Encoder for all Axis; Special Epoxy 'Hacrete' Filled Base for best Surface Finish and Tool Life.



Contact:

Jaewoo Machines Pvt Ltd

Chandigarh Road, HB-225, Village: Jandiali

Dist: Ludhiana, Punjab 141 113

Mob: 99940 26343

E-mail: jaewoomachineindia@gmail.com

Coarse Bubble Diffuser

Bharat Industries supplies Coarse Bubble Diffuser Model BI-DISC 150. Features: Shape of Aerator: Disc; Size of Aerator: 150 mm; Type of Bubble: Coarse Bubble; Bubble Size: 6-10 mm; MOC of Membrane: EPDM; Air Flow Rate: 4-5 m³/hr; End Connection: 1" BSP, External Threaded; Tensile Strength: Excellent; Heat Resistant: Excellent (90 degree); Petroleum Oil Resistance: Good. The Company is a comprehensive hi-tech manufacturing enterprise specializing in manufacturing of environmental friendly waste water treatment products, FAB/MBBR biological filter media, Tube settler/Tube deck media, varied diffusers and extensive variety of filter cloth.



Contact:

Bharat Industries

F-10 Kavi Nagar Industrial Area

Ghaziabad, Uttar Pradesh 201 002

Mob: 99998 48001, 98111 06410

E-mail: bharatindustries91@gmail.com



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Power Tools



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Machine Tools



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Spiral Bevel Gears



Sprockets

TYPES OF GEARS	RANGE				ACCURACY CLASS
	MODULE		DIAMETER(mm)		
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	
SPUR	0.3	8	10	400	DIN 4
HELICAL	0.3	8	10	400	DIN 4
SPIRAL BEVEL	0.5	6.5	20	300	DIN 5
WORM SHAFT	0.5	4	15	100	DIN 6
WORM WHEEL	0.5	8	30	400	DIN 8



Ratchets

Pragati Transmission Private Limited,

No.531, 10th Main, 4th Cross, 4th Phase, Peenya Industrial Area, Bangalore - 560 058
 Email: kadam@pragatigears.com, mktg@pragatigears.com, pragatigears@rediffmail.com
 Tel: 080 - 2836 5364 / 2836 5352 • Mob: 93412 15974 / 70266 18881

www.pragatigears.com

Dip Spin Machine, Fully/Semi-Automatic

EFFCO Finishes & Technologies offers fully automatic and semi-automatic Dip Spin Machine in different models. The Company is involved into manufacturing of Smart coating technologies for surface finishing industry since 2008. Dip Spin coating machine new generation simplified Automatic dip spin coating application equipment technology. Mechanically applied Dip Spin coating, you can coat a variety of fasteners, sheet metal parts, springs, various threaded hardware, etc. Specifications of Model DST 500 – Overall size (L x W x H): 2900 x 2900 x 3200 mm; Loading height: 1300 mm; Parts loading: Auto loader; Parts unloading: Through tilting basket on flat bed conveyor; Basket size: 500 mm; Basket tilting: 75 degree; Basket load carrying capacity: 50 to 60 kg; Spin speed: 200-500 RPM; Paint barrel: SS 304 leak-proof with stirrer, level indicator and temperature sensor; Paint barrel with water cooling jacket could be provided; Paint lifter movement: Hydraulic cylinder; Machine operation: Fully automatic; Operating Panel: PLC with HMI; Machine power requirement: 14 HP; Machine Weight approx.: 6500 kg; Machine enclosure provided for dust free atmosphere.



Contact:

EFFCO Finishes & Technologies Pvt Ltd
Plot 12, S No: 253/2/2, Thirumala Industrial Estate
Hinjewadi Phase II, Tal: Mulshi, Pune, Maharashtra 411 057
Mob: 91722 55698 • E-mail: effco@effcoindia.com

Palletized Racking System

Steelfur System Pvt Ltd offers Palletized Racking System. The Smart Storage Pallet Racking System is a specially designed for optimized storage of industrial goods with diverse applications that exceed in sheer technical and operational excellence. It embodies unique design of automatically punched Roll formed single piece 12 fold uprights with slots and holes provided to accept the beam loading level. The arrays of racks are especially manufactured with sleek characteristics, engineered and ergonomically designed basic components that are thoroughly tested for its mechanical properties. The safe load capacities are calculated to meet client's safety requirements. The system design is thoughtfully made user-friendly with vast applications.



Contact:

Steelfur System Pvt Ltd
877/1 GIDC Makarpura, Vadodara, Gujarat 390 010
Mob: 99252 05290, 99250 48290
E-mail: info@steelfur.com

Heavy Duty Racking System

Alphalogic Industries Limited, an ISO 14001: 2015 and BIFMA certified storage solution manufacturing company supplies Heavy Duty Racking System. Features of Heavy Duty/Long Span Racks are designed to store non-palletize goods of large size, which can be loaded or unloaded



manually without mechanical equipment; Compartment height can be adjusted whenever required. Long span shelving system finds application in Auto, Apparel and Engineering Sectors; Designed for heavy weight capacity ranging from 1000 kg to 3000 kg UDL; Easy to install and dismantle, if required, for shifting, etc. This is totally customized system, available in various colour choices, along with finish in powder coating. Alphalogic also offers Mobile Compactors Storage System, Live Pallet Racking, Mezzanine Floor, Staff Lockers, Slotted Angle Shelving, Selective Racking System, Metal Pallets, etc.

Contact:

Alphalogic Industries Limited
207 Second Floor, Kohinoor B-Zone, B/s: Vijay Sales
Old Mumbai-Pune Highway, Chinchwad
Pune, Maharashtra 411 019
Mob: 82977 40000 • E-mail: info@alphalogicindustries.com

Advanced Material Handling Solutions

Asmita Engineering Equipments supplies a range of Advanced Material Handling solutions like: Hydraulic Pallet Truck, Semi Electric Scissor Pallet Truck, Electric Pallet Truck light duty, and heavy duty, Scale Pallet Truck, Rough Terrain Truck; Manual Scissor Table, Manual Drum Stacker Cum Tilter, Semi Electric Drum Stacker Cum Tilter, Manual Straddle Stacker, Manual Stacker, Semi Electric Stacker, Fully Electric Stacker; Hydraulic Floor Cranes, Electric Floor Cranes; Single/Dual Mast Aerial Work Platform; Low Profile Scissor Lift U/E, Electric Forklift; Scissor Lift Table Stationary, Self-Propelled Single/Double Mast Goods Lift, Scissor Lift, Mobile Scissor Lift; Vertical Reciprocating Conveyor (VRC), Truck Loading Conveyor, Telescopic Conveyor; Mobile Dock Ramp, Moveable Hydraulic Dock Leveler, Dock Leveler, Edge Dock Leveler; and Automation Solutions.



Contact:

Asmita Engineering Equipments
J-54, S Block, Opp: Lande Patil Transport, MIDC
Bhosari, Pune, Maharashtra 411 026
Mob: 98509 08905, 87999 53106
E-mail: sales@asmitaengg.com

Submersible Borewell Pumps

MBH Pumps (Gujarat) offers Submersible Borewell Pumps from 75 mm to 305 mm (3" to 12"). Technical Specifications – Head: Up to 400 m; Discharge: Up to 400 m³/hr; HP: Up to 150; Discharge: Up to 400 m³/hr; Range: v3, v4, v5, v6, v7, v8, v9, v10, v11, v12; HP: up to 150; Frequency: 50/60 Hz. Applications: Town and Village Water Supply Schemes; Cooling Water Circulation; Booster Application; Mining, Marine and Construction; Domestic; Hotels; Industries; and Agriculture. Since 1969, MBH Pumps manufactures Centrifugal pumps for submersible and surface installations. Over the years the Company has diversified its activity from the production of pumps for Agricultural applications to Domestic, Industrial, Municipal waste water, Slurry, Water intake and various other applications. All pumps are manufactured according to IS, and technical specifications of the customer to successfully satisfy many application areas.

Contact:

MBH Pumps (Gujarat) Pvt Ltd
 Plot No: 14, GIDC Indl Est, Naroda, Ahmedabad, Gujarat 382 330
 ☎ 079 – 2282 3066, 2282 1018
 E-mail: marketing@mbhpumps.com



Gas Metal Arc Welding Wires

Azamin Enterprise offers Gas Metal Arc Welding Wires (GMAW). Features are: sometimes referred to by its subtypes metal insert gas (MIG) welding or metal active gas (MAG) welding, is a semi-automatic or automatic arc welding process in which a continuous and consumable wire electrode and a shielding gas fed through a welding gun; a constant voltage, direct current power source is most commonly used with GMAW, but constant current systems, as well as alternating current, can be used; there are four primary methods of metal transfer in GMAW, called globular, short-circuiting, spray, and pulsed spray, each of which has distinct properties and corresponding advantages and limitations.



Contact:

Azamin Enterprise Private Limited
 274/290 Ground Floor, Opp: Central Bank of India
 Nagdevi Street, Mumbai 400 003
 ☎ 022 – 2311 4030 • Mob: 98671 24144
 E-mail: azaminpl@vsnl.net



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 E-mail: marketing@rkdutt.com • Website: www.rkdutt.com

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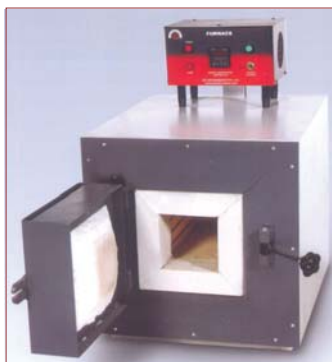


Khanwalkar Industries

Fac. & Off. : 36-C, Sector B, Sanwer Road Industrial Area,
 INDORE 452 015 (M.P.)
 Tel. : 0731 4046226, 2721527, Cell. : 09993555087
 e-mail : khanwalkar08@gmail.com
www.khanwalkarindustries.com

Laboratory Furnace

Eie Instruments Pvt Ltd, an ISO 9001: 2015 Certified Company offers Laboratory Furnace EIE-108. It's Construction – Exterior: Heavy Gauge CRC sheet or with SS 304 (GMP Model) with appropriate ventilation; Chamber: Muffle baked at 1500°C; Insulation: Light weight, Ceramic fibre wool of superior quality, highly resistive to temperature. Exterior is having ventilation/louvers for Air insulation and Aesthetic look; Finish: Hard powder coated in pleasant shade. Description – Front Panel: Mains switch, Indicating Lamps for Mains and Control, Micro Controller, etc.; Heaters: Kanthal Heating Elements of superior quality; Temp Control: Universal Micro Controller, PID Type, with advanced functions; Temp Range: Max 1200°C, Working at 1150°C; Accuracy: $\pm 1\%$ of range; Display: Digital; Sensor: K Type Cr/Al Thermocouple. Power Supply: 230 V AC. The EIE-108 has 21-CFR compliance software with PC communication; Optional PLC and HMI control system; On-site validation for 24 hours; and GSM alert through SIM card.



Contact:

Eie Instruments Pvt Ltd

A-1301, BVR Ek, Opp: Hotel Inder Residency

Nr: Gujarat College, Ellisbridge, Ahmedabad, Gujarat 380 006

☎ 079- 6621 1234 • Mob: 99042 02401

E-mail: info@eieinstruments.com

Process Equipment

Thermosag India provides solutions to all conceivable applications for industries in the field of engineering and process applications. Products range includes: MVR/ Mechanical Vapour Turbo Re-Compressor (pix) (RPM up to 32000), Oxygen/Nitrogen Plant, Oslo Type Vapour Separator, Heat Exchanger/Condenser, Paddle/Sludge Dryer, Skid-Mounted Plant, Reactor, MEE/Multi-Effect Evaporator, MVR Based Evaporation Plant, Falling Film Evaporation plant, Forced Circulation Evaporator, Salt Recovery Plant, Caustic Recovery Plant, Evaporative Crystallizer, Adiabatic Crystallizer, Cooling Crystallizer, etc.



Contact:

Thermosag India Pvt Ltd

E-119 Bole GIDC, Village Bole, Taluka Sanand

Dist: Ahmedabad, Gujarat 382 110

Mob: 91042 11441 • E-mail: sales@thermosag.com

Autoprime APM Series Pump

Kirloskar Brothers Limited offers Autoprime APM Series Pump Series that are high performance engine/motor driven pump unit designed to pump liquids containing mud, sewage and semi-solids. The Autoprime vacuum assisted pumps are available on site wheels, high speed road trailer or skid. The Pumpset can be supplied as open or enclosed on acoustic canopy. Its modular construction allows high interchangeability of components and ease of maintenance. Features: Pump can be left running when liquid is exhausted and will self-prime when liquid is present; Mechanical pumping system is provided; Rugged construction requires minimal operator maintenance; 60 cfm Vacuum Pump with coalescer and air exhaust to atmosphere; Rotary Vane, Oil lubricated Vacuum pump: 60 cfm (100 m³/hr); No manual intervention for priming purpose is required. Pump Specifications – Flow Rate: 200 to 6000 m³/hr; Discharge Head: 4 to 28 m; Pump Speed Range: 750 to 1500 rpm; Max Solids size: Up to 100 mm; Pump Casing: Cast Iron/Stainless Steel; Impeller: Stainless Steel; Pump Shaft: ST ASTMA-276 Type 410, Carbon Steel. Applications: Ground water control; Well point dewatering; Sewage over-pumping; Flood relief; Pipe relining; Mine dewatering; Industrial sludge pumping; Tank sediment cleaning; Emergency service pumping; and Marine ballasting.



Contact:

Kirloskar Brothers Limited

Yamuna, Survey No: 98 (3.7), Baner

Pune, Maharashtra 411 045

☎ 020 – 2721 4444 • E-mail: marketing@kbl.co.in

Concrete Brick/Block Plants

Buildmate Projects Private Limited is a technology driven manufacturer, supplier and exporter firm dealing in an extensive range of AAC and Mortar Making Plants. The range of products includes: Autoclaved Aerated Concrete Block Manufacturing Units, Lime Processing Plants, AAC Blocks Production Lines, Cellular Concrete Block Plants, Brick Making Machinery, Concrete Brick Making Machines, Concrete Mixers, Concrete Batching Machines Plant, Jaw Crushers, Cone Crushers, Light weight Panel plants, Light weight aggregate plants, Sand plant with Classifiers (Dry), etc.



Contact:

Buildmate Projects Private Limited

Sy No: 60, 61, 62 Gundlapochampally Village

Hyderabad, Telangana 500 014

☎ 76759 89961, 80489 67515

E-mail: marketing@buildmate.in

Eight Channel Temperature Data Logger with Direct USB Pen Drive Output

Countronics offers a USB Pen Drive based Data logger for up to 8 channels of Temperature (linearised for J/K/R/PT100). This state of the art logger automatically creates a data file compatible with MS Excel on the pen drive storing the Temperature values of all 8 channels along with the date and time stamp making it very simple to use. Just unplug the Pen drive and take it to your PC to view all the data. The unit allows the user to set the rate of logging from 1 second to 99 minutes. No need of any additional complicated software installations. The low cost Pen Drive offers very large storage memory space making this product very economical and easy to use for factory personnel. Individual digital offset setting for each channel allows easy calibration. Internal Real Time Clock allows data to be time stamped in real time. Available as a panel mounted version with 96 x 96 mm front facia and front loading USB Pen Drive in an ABS cabinet and aesthetically designed front panel.



Contact:

Countronics

M-95, Connaught Circus, New Delhi 110 001

☎ 011 – 2341 8487 • Mob: 98105 36887

E-mail: info@countronics.com

FUMES & DUST CONTROL



Electrostatic Technology for removal of fine particles down to 0.01 micron. Electrical Power Consumption lower by 40% as compared to conventional filters. No replacement of fine filter media during the lifetime of the equipment. Max. pressure drop of 3 mm WG as compared to 25 mm WG for conventional filters. Stackable filter modules available for clean rooms class 1,00,000 or better.

Typical applications in industry are:

Engineering: Removal of oil mist or coolant mist for CNC grinders, lathes and machining centres. Capture of fine powders from graphite, cast iron, bakelite grinding operations. Elimination of smoke and fumes from welding, annealing, forging etc.

Electronics: Capture of fumes from soldering, cleaning and for clean rooms.

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Cell Nos.: 99860 48891 / 98455 72990 / 98441 32772 / 70660 83083
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Wilo-EMUport CORE

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Contact:

WILO Mather and Platt Pumps Pvt Ltd
1st Floor, One Elpro Park, Elpro Compound, CTS No: 4270
Chinchwad, Pune, Maharashtra 411 033
☎ 020 – 6734 7100, 6734 7200 • E-mail: sales.in@wilo.com

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Contact:

Hitech Rubber Industries
INIZIO 201, Cardinal Gracious Road
Chakala, Andheri (East), Mumbai 400 099
☎ 022 – 2839 5932 • Mob: 93222 88578
E-mail: sales@hitechrubber.in

Hydrophilic Swell Bar

Flexverse Polymers Private limited supplies Hydrophilic Swell Bar, which is a type of waterproofing solution for construction cold joints and concrete penetrations. Product Description: It can be used to stop water ingress through cast-in place concrete construction joints and penetrations in concrete. The profile has a unique hydrophilic structure, which has been engineered to swell in contact with water and exert pressure against the ingress inside the structure. This forms an effective sealing system that can bar water entering even through the most microscopic cracks and penetration. Uses: To Seal – Construction joints; Pipe, steel and pile cap penetrations through walls and base slabs; Construction joints in cable ducts, etc.; around all types of penetrations through concrete. Char-



acteristics/Advantages: Unique reversible swelling chemistry; Long-term reliability tested; Easy installation on various substrates; No welding or hardening time required; Highly economical; Resistant to many chemicals; Non-toxic and environment friendly; Adaptable to many different detailing tasks; Works well in combination with other waterproofing systems; and can swell in construction joint gap. Flexverse® Hydrophilic swell bars are manufactured in a variety of standard dimensions and colours (eg red, black, yellow, camel and many more). The company can also manufacture the product as per customer specification/requirements.

Contact:

Flexverse Polymers Private Limited
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Andheri (East), Mumbai 400 099
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E-mail: info@flexverse.in

Chemicals & Intermediates

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Contact:

Gujarat Polysol Chemicals Limited
Plot No: 1734, III Phase
GIDC, Vapi, Gujarat 396 195
Mob: 98251 17532, 99259 90147
E-mail: info@gpcpl.net

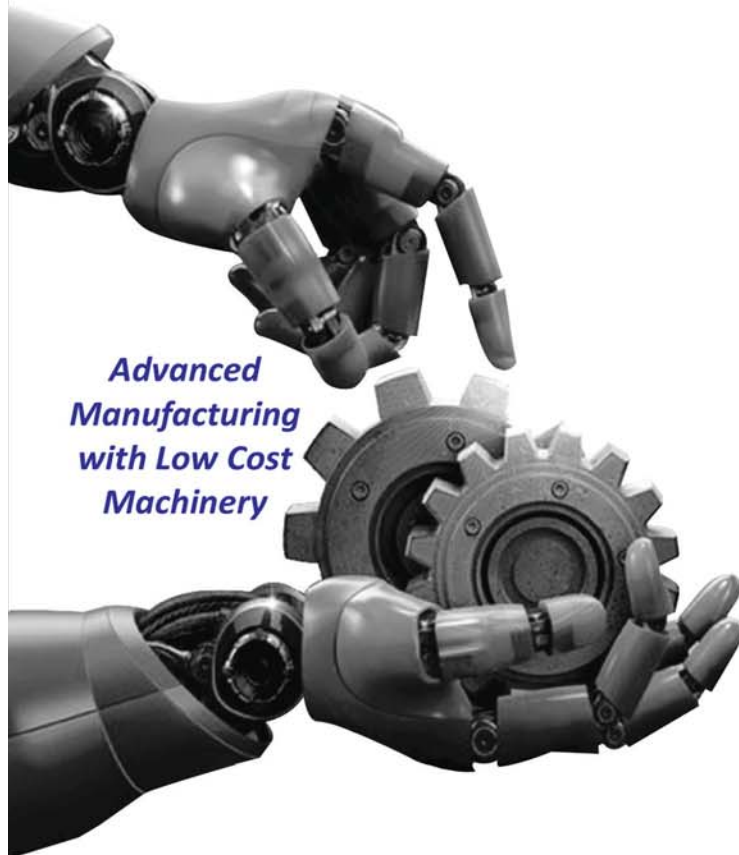
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Contact:

Nippon India

**236 Sonal Link Industrial Estate, Building No: 2
Link Road, Malad West, Mumbai 400 064**

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Sludge De Watering Machine

Micro Transmission Systems' Sludge De Watering Machine represents innovation in design and provides an economic solution for either thickening or dewatering at small, medium and large water, waste water and industrial effluent treatment plant. Sludge thickening up to 15% and de watering up to 25% dry solids are attainable. System can operate automatically or manually – either continuous or intermittently. Operating Principle of



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Contact:

Micro Transmission Systems

**D-29, Site-B, UPSIDC Industrial Area, Surajpur
Greater Noida, Uttar Pradesh 201 306**

Mob: 98111 63168, 84476 08388

E-mail: marketing@microtransmissionsystems.com

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Contact:

Gasket Industries

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E-mail: gasket_industries@hotmail.com

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Acid), etc. Greentech also provides sales and after sales of material handling equipment.

Contact:

Greentech India Material Handling LLP
 Survey No: 76/1A, Poonamallee High Road
 Velappanchavadi, Chennai 600 077
 Mob: 98400 88428, 92890 94445
 E-mail: sales.1@mheebazar.com

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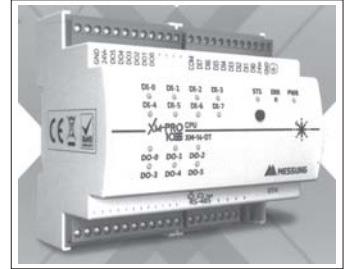


Contact:

IDEC Controls India Private Limited
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 Rajaji Nagar Extension, Malleswaram
 Bengaluru, Karnataka 560 055
 ☎ 080 – 6793 5328 • E-mail: info_india@idec.com

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Contact:

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Liquid Jet Ejector

Liquid Jet Ejector or Water Jet Ejector uses the principle of Bernoulli's which means that when the velocity of the fluid is increased, its pressure decreases and vice versa. It uses a nozzle to convert the high-pressure energy of the fluid into kinetic energy.

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Contact:

Jet Vacuum Systems Pvt Ltd

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Mob: 63588 60113 • E-mail: info@jetvacuumsystems.in

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Contact:

PNU Celsius Pvt Ltd

C/F-4, Sardar Patel Complex, Ankleshwar

Gujarat 393 002

Mob: 81697 55438/87883 42484

E-mail: gajendra@pnucelsius.in

Roller Conveyor Systems for Assembly & Test Automation

Conveline Systems Private Limited offers Roller Conveyor Systems for Assembly & Test Automation. Features: The CONVELINE 6001 Series conveyor systems is a robust, carrier friction roller conveyor with an anodized aluminium frame or MS powder coated steel frame.

All pre-assembled powered conveyor sections are driven by a geared motor and duplex chain. Corners and diverts combine straight sections with just a few extra components. The entire system offers a high flexibility in reconfiguring the layout with low efforts. All sections can be located or inserted almost everywhere. The full rollers in that area can be replaced by stud rollers without any special tools within a couple minutes. The system is popular and known for its low maintenance, high availability and very good reliability for many years under production environment. The Conveyor system is designed for medium product weights up to 50 kg/work piece standard. Nominal widths from 250 mm to 550 mm are available. For most applications in the automotive industry the system with a nominal width of 450 mm is deployed. Typical areas of deployment are production lines and pre-assembly lines for gearboxes, cylinder heads, engines, and axle components. CONVELINE 6001 Series is also available in a low profile version with a top of roller of only 150 mm. The entire conveyor track is covered with walkable covers that allow working directly on the work piece from each site. It also enables to get access to end use of the inside of a conveyor loop. The 6000 Series uses the standard components and offers high flexibility and efficiency.



Contact:

Conveline Systems Private Limited

Block No: 472, Tajpur Road, B/h: Unick Fix A Form

Changodar, Ahmedabad, Gujarat 382 213

Mob: 9081915 912 • E-mail: info@conveline.com

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Dipflon Engineering & Co

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Gear Motor, Compact Gear Motor, Lamyoke DC Motor, Cooler Motor, Flange Mounted AC Motor, Top Flange Mounted Vibration Motor, Face Mounted Motor, Foot Cum Flange Mounted Motor, MCB Single Phase Motor, BLDC Motor, DC Brake Motor, PMDC Motor, AC Brake Motor, Flameproof Motor, Cooling Tower Motor, Unbalance Vibratory Motor, Single Phase Vibratory Motor, Crane Duty Motor, etc.

Contact:

NBE Motors Pvt Ltd

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Contact:

Gel Fasteners

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Bhiwandi, Dist: Thane, Maharashtra 421 302

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Contact:

Asian Machine Tool Corporation Pvt Ltd

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Pirangut, Mulshi, Pune, Maharashtra 412 108

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Imeco, Pioneers of Ultrasonic Cleaning in India, and an ALCON Group Company offers Solvecon, which is a German technology based machine that was jointly developed with Vapic GmbH. Solvecon employs cleaning and drying under vacuum using volatile solvents as the degreasing and cleaning medium. Since multiple cleaning and drying processes occur inside the front-loading single chamber, equipment becomes extremely compact and occupies less floor space. Solvecon is best suited for: Closed-loop working processes under vacuum; Practically negligible vapour emission to the environment; Consistent degreasing results; Lower operational cost as compared to water-based system, lower connected load, and lower media consumption; Maintenance-friendly: The basket in a Solvent machine remains in the chamber and the cleaning medium is circulated. Therefore, minimum mechanical wear and tear of parts; Ergonomic design, considering ease of operation and ease of maintenance, and lesser operator fatigue.

Contact:

Imeco Machines Private Limited
A1 to A7 Shubhamkaroti Industrial Estate, Gat No: 1546
Pirangut, Tal: Mulshi, Dist: Pune, Maharashtra 412 115
Mob: 99755 98781, 99601 00192
E-mail: marketing@imecoultrasonics.com



Conveyorised Inspection Machine

Varad Automation & Robotics Private Limited offers Conveyorised Inspection Machine. Features: Detailed dimensional inspection; Repeatability starts from 1.5 μm ; Inspection Speed up to 300 PPM; Automatic and Manual saving of data with Batch Wise Report and SPC Report; Auto Feeding System. Specifications – Camera: 1st, Position: Side, Operation: Side Dimension Inspection. Other Specifications: Model CIM2520 – Size: 25 mm x 20 mm; Model CIM: 30 mm x 25 mm; Dimensions (L x W x H): 1700 x 1150 x 3200 mm; Weight: 400 kg approx.; and can be inspected: Dowel Pins, Studs, and Precision Parts.

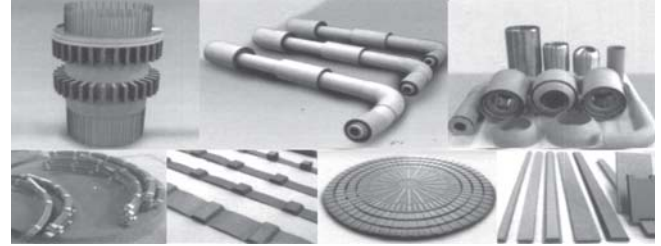
Contact:

Varad Automation & Robotics Private Limited
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Mob: 86699 62225, 91300 47182
E-mail: sales.a@varadautomation.com



Transformer Board HV Insulation Components

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inders; Cap Sectors – Angle Ring Sectors; Press Rings (Laminate Board or Laminated Wood); End Rings – Clamping Rings; Clack band, Ladder, Oil Channel band (tape) with HP Strips; Spacers – Strips-Trapezoid Strips; Corner Protectors (Cap or Angle Ring for Edge Protection); Lead Exits (up to 1200 kV); etc.

Contact:

Enpay Transformer Components India P Ltd
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PO: Lamdapura, Vadodara, Gujarat 391 775
☎ 02667 – 293 412 • Mob: 95379 19656
E-mail: info@enpay.com

Dry Screw Vacuum Pump

A1 Vacuum Systems manufactures high-quality vacuum systems for various needs of multiple industries. Just like Rotary Vane Vacuum Pumps, these are among the newest addition to the pumping industry. As the name suggests, dry screw vacuum pumps work on a no oil, no water principle that makes them extremely reliable for environment-friendly applications. The pumping capacity of the blower ranges from 120 m/hr to 3,000 m/hr depending on the model. These products are available in several models and configurations to match a wide variety of requirements. Further, these pumps can be used in combination with other vacuum. Applications: Reaction; Refinery; Degassing; Filtration; Evaporation; Vapor Recovery; House Vacuum; Pervaporation; Distillation; Drying; Freeze Drying; and Impregnation.



Contact:

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Mob: 97739 86310, 9871243920
E-mail: info@a1blowers.com

Solar/Wind Inverter Duty Transformer

Synergy Transformers Pvt Ltd offers an extensive range of transformer products designed to cater to various needs. The offerings include power transformers, distribution transformers, solar and wind transformers, dry-type transformers, and specialized application transformers. The Solar inverter duty transformer and Wind inverter duty transformer play a vital role in converting the low voltage generated by solar panels or wind turbines into a high voltage suitable for feeding into the power grid. These transformers, also known as Converter Duty or Inverter Duty transformers are specifically designed to handle the unique requirements and challenges associated with renewable energy sources. One of the key considerations in the design of these transformers is their ability to resist harmonic currents caused by the rectifier/inverter systems used in solar and wind power applications. Harmonics can introduce distortions and affect the quality of the power output. The Solar and Wind inverter duty transformers are built with features that mitigate these harmonics, ensuring a clean and stable power supply to the grid. Features of Solar Transformer: Designed to give maintenance free long-lasting operation for a minimum of 30 years; Copper Static shield provided between primary and secondary to protect transformer against disturbance; Synergy takes reduced current density to protect transformer from overheating due to harmonic current and thus limits the transformer loss; and flux density lower to decrease core loss due to harmonic interference from inverters and thyristors.



Contact:

Synergy Transformers Pvt Ltd
Diksha Parva, Shree Society, Street No: 4
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Mob: 95860 77766, 95861 77766
E-mail: sales@synergytransformers.com

Circlips

R K Engineering manufactures a wide range of Circlips that are used for restraining axial movement of components of shafts. These Circlips are used particularly where there are space restrictions. They are also applicable in small mechanism. The Circlips are made from suitable high carbon steel such as C80 of IS: 1570-19621 or EN42J. They are hardened and tempered. Circlips are also available in SS-304 MOC.



Contact:

R K Engineering Co
12 Nanik Motwane Marg, Opp: HDFC Bank
Fort, Mumbai 400 023
☎ 022 – 2267 1141 • E-mail: rkengcomp@gmail.com

MXG™ 4K Hydraulic Hose

Gates India Limited offers MXG™ 4K, which is an innovative addition to Gates premium, MegaSys™ Hydraulics Portfolio that leverages their materials science and process technologies to deliver a lighter weight, flexible and more compact solution without compromising performance. Features: 25X more abrasion resistant; Enhanced ozone resistance; No impact to flexibility; Exceptional durability; MSHA Flame Resistant certified. Specifications – Standard: Exceeds all criteria of ISO 18752 280DC and SAE 100R19; Exceeds performance criteria of SAE 100R12, EN 856 R12, ISO 3862 R12. Construction: Black, oil resistant, synthetic rubber tube; two layers of braided, high-tensile steel wire reinforcements. Cover: Black, XraTuff™ Plus abrasion resistant, synthetic rubber, smooth cover. Temperature Range: -40°F to +250°F (-40°C to +121°C). Industries + Applications: Construction + Mining; Stationary; Forestry + Agriculture; Hydrostatic Dives; Boom Arms + Excavators; Off-Road; Rock breaker + Water Well Rig; Vacuum Trucks; Boomer + Hammer Drill.



Contact:

Gates India Limited
3rd Floor, Building #10, Tower C, Cyber City
Phase-2, Haryana 122 002
☎ 0124 – 493 3535 • E-mail: customer.care@gates.com

★
● AMP - HOUR ● TEMPERATURE
★

Digital Humidity Indicators / Controllers

Basics

- ▶ Direct, Accurate display of Humidity and Temperature
- ▶ Uses the classical Dry/Wet temperature sensing Technique
- ▶ Sensors are sealed Platinum PT100 type in S.S. immune to atmosphere gases etc.
- ▶ No need of any look-up table as the embedded software accesses the table from the micro controller memory.
- ▶ A sturdy sensor body has in-built water reservoir with facility to connect a water-drip to ensure the wick never dries up.
- ▶ 4 Control outputs for Humidifier, De-humidifier, Heater and Cooler.

HUMIDITY / TEMPERATURE LOGGER - RS232 MODEL No: 7210L

ALSO AVAILABLE USB DIRECT PEN DRIVE LOGGER

Thermo-HYGR0 SENSOR
DRY WET

Mfd. by **COUNTRONICS** ISO 9001:2015 CERT

3/1/29, Sahibabad Industrial Area
 Site - IV, Ghaziabad, Uttar Pradesh 201 010
 Mob: 098105 36887 / 098183 50088
 E-mail: countronindia@gmail.com
 Sister Firm: Audiotronics • Website: www.countronics.com

★
● TDS ● CONDUCTIVITY ● ORP ● pH
★

● COUNTERS
● TACHOMETERS
● FLOW METERS

★ EXPORT QUALITY PROCESS CONTROL INSTRUMENTS ★

Low Temperature Evaporator Module

Spray Engineering Devices Limited (SED) is an Innovative Technological Solutions providing company for Sugar and Allied Industries for last nearly three decades, specialized in Vaporization, Condensation, Evaporation and Crystallization. SED offers a Low Temperature Evaporator, which is an innovative system to recover clean water along with concentrated solution separately, by processing industrial and domestic wastewater of wide variety. It is used to concentrate various fluids



by evaporating excess water up to 99% depending Boiling Point Elevation (BPE) of fluid. All excess water is recovered as clean water or condensation separately along with concentrated fluid. Low Temperature Evaporator is an integrated module comprising Plate Heat Exchanger, Vacuum and Mechanical Vapor Compression/Recompression. Mechanical Vapour Compression/Recompression recycles steam required for evaporation eliminates continuous use of external heating source during operation. High pressure compressed vapors enter in the evaporator calandria, which evaporates excess water and generates low pressure vapors. Low pressure vapors are then compressed by Mechanical Vapor Compression/Recompression and recycled in Low Evaporator resulting in a highly energy efficient process.

Contact:

Spray Engineering Devices Limited
C-82 Industrial Area, Phase-VII, Mohali, Punjab 160 055
☎ 0172 – 250 8200 • E-mail: water@sprayengineering.com

Spindles

TriQuench India Pvt Ltd designs and manufactures Spindles. The wider portfolio of CNC machines, with which TriQuench India's spindles have been dealing are the CNC



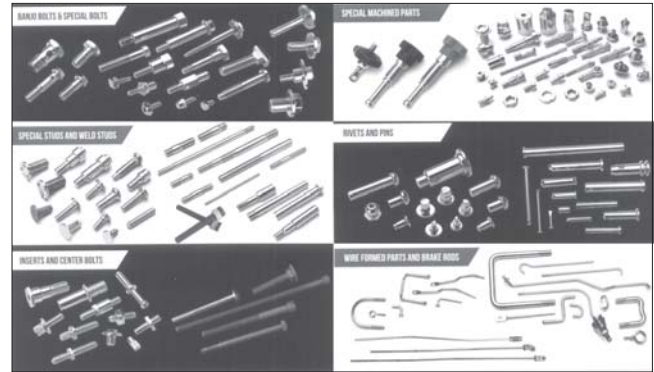
Router machines, Stone Carving and Engraving machines, Wood carving machines, PCB Drilling, Grinding machines to mention a few. The Spindles offered include: Water Cooled 5.5 kW 24000 RPM; Lathe Spindles, Grinding Spindles, Belt Driven Grinding Spindles, Machine Spindles, Special Spindles, Spindle and Spindle for Automatic Tool Changing, Spindle Accessories, etc.

Contact:

TriQuench India Pvt Ltd
D-01, Sumel Business Park-7, NH-08, Nr: Soni Ni Chawl
Rakhial Road, Odhav, Ahmedabad, Gujarat 380 023
Mob: 96011 11615 • E-mail: info@triquenchindia.com

Special Fasteners

Metaforge Engineering (I) Pvt Ltd is a manufacturer of special fasteners of the highest quality. The Company has been manufacturing special cold forged and turned com-



ponents for over 5 decades. Metaforge is certified with IATF certification, ensuring that it adheres to the highest standards of quality and reliability. The Company specializes in supplying components to a variety of industries, including Automotive, Construction, Electrical, and Luggage Industries, and Export market. The components are used in a range of applications, from heavy-duty machinery to consumer products. Whatever your needs may be, Metaforge is having the expertise and experience to deliver high-quality components that meet your exact specifications. The manufacturing range includes: Clevis Pins, Rivets, Studs, Special Bolts and Turned components.

Contact:

Metaforge Engineering (I) Pvt Ltd
S No: 22/3, Nashik-Dindori Road, Mhasrul
Nashik, Maharashtra 422 004
☎ 0253 – 253 0505/06 • E-mail: mktg@metaforgeindia.com

Electronic Readout Unit

Universal Metrology and Allied Services offers Micro-controller Based Tri Colour Digital Air Saver Electronic Readout Unit. Common Features: Inbuilt air saving facility; Suitable for Auto Offset Correction to machine; Inbuilt air transducer; Facility of absolute and comparative type of readings; 8 different gauges can be programmed in a unit; Tri-Color display; Red, Green, Yellow *RGY) based on the tolerance; RS 232 data output; Least count 1 um/0.1 um. This autonomous electronic readout instrument is designed for measuring ID, OD, Taper, Ovality, Run-Out, Height, Angle, etc. The Company also offers Data Loggers, Column Gage and 8 Channel R/O Unit; Line Control and Remote Monitoring System.

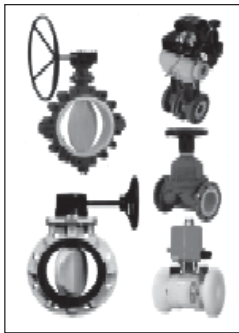


Contact:

Universal Metrology And Allied Services
S-172, MIDC, Bhosari, Pune, Maharashtra 411 026
☎ 020 – 4009 4040 • E-mail: info@unimetgauges.com

Industrial Valves

UNP Polyvalves is a leading manufacturer of various types of corrosion free valves, pipes and pipe fittings produced in advanced engineering plastics. The range includes: ball valves, butterfly valves, ball check valves, foot valves, sight glass, sampling, strainers, lined valves, etc. These valves are made out of polypropylene, HHS isotactic PP, PVDF, ETFE (Tefzel); UPVC, CPVC. Fluoropolymer lined piping system made out of PTFE, PVDF, FEP, PFA, ETFE, ECTFE, etc.



Contact:

UNP Polyvalves (India) Pvt Ltd
207 Orion Business Park, Next to Cine Max, Kapurbawdi
Ghodbunder Road, Thane (W) 400 607
☎ 022 – 2589 6422 • E-mail: mktg@polyvalve.com

Flow Switches

Arbuda Instruments offers Flow Switches. The paddle type flow controllers are specifically designed for use on liquid lines such as water, ethylene or any other fluid which is not harmful to brass or phosphor bronze and which is not classified as a hazardous fluid. Features – MOC: Brass/Phosphor Bronze/SS; Max Operating Pressure: 10 bar/140 psi; Media temperature: 1 to 100°C; and Flow rate: M3.



Contact:

Arbuda Instruments
E-11/1 GIDC, Sector 26, Gandhinagar, Gujarat 382 026
Telefax: 079 – 2328 7990
Mob: 90337 11390 • E-mail: arbudainst@yahoo.com

Solid Shaft Encoders

Jayashree Electrodevices Pvt Ltd offers Solid Shaft Encoders. The J0260-58AN-SL is a versatile model having many operations; High axial and radial load capacity; Constructed to withstand the demands of rough and tough industrial environment. J-260-58BN-SL is a versatile model having many options; Exact retrofit replacement for majority of machine tool spindle encoder; Constructed to withstand the demands of rough and tough industrial environment.

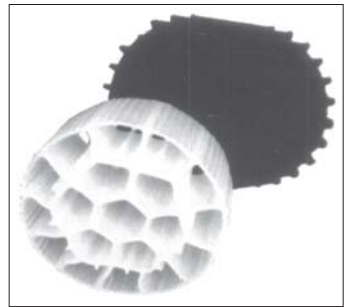


Contact:

Jayashree Electrodevices Pvt Ltd
W1, F-2 Block, MIDC, Pimpri, Pune, Maharashtra 411 018
☎ 020 – 4072 0021 • Mob: 95525 86754
E-mail: Jayashree-electrodevices.com


FAB Media

MM Aqua Technologies Ltd manufactures and supplies Moving Bed Bio Reactor (MBBR)/Fluidized Aerated Bed Reactor (FAB) media for Municipal and Industrial wastewater treatment. Its Features: Very high efficiency in BOD/COD removal and in Nitrification; Provides a large specific surface for bacteria culture; Very low footprint area of reactor; Excellent tolerance to load variations and toxicity; Low Capital Investment; Low installation, maintenance and operation cost; Sludge bulking problem is nullified and recirculation is not required; Higher Biomass concentration; Simple process, less mechanical equipment; and Invest once and replacement Nil. Applications: Municipal Sewage Treatment Plant, Numerous applications in various types of Industrial Effluent Treatment viz. Leather, Textile, Paper and Pulp, Dairy, Food Processing, Slaughter houses, Breweries, Sugar industries, etc.




Contact:


MM Aqua Technologies Ltd
Behrampur Road, Khandsa, Dist: Gurgaon, Haryana 122 001
☎ 0124 – 221 5135 • Mob: 78382 93580
E-mail: niraj.singh@mmaqua.in




'U' Tube Bundle




Removable Tube Bundle




Hair Pin Heat Exchanger



Fin Tubes




Shell & Tube Heat Exchanger



Radiator

Manufacturers of:
 Heat Exchanger, Condenser Chiller, Aftercooler, Intercooler, Economiser etc, Finned Tubes: (Spiral Tension Wound Continuous) in Crimped, Plain 'L' Base, 'G' etc. Type Fins, Radiator, Air Cooler, Oil Cooler, Steam/Oil Heater etc, Pressure/Reaction Vessels, Receivers & Storage Tanks.



HEAT COOL FIN INDUSTRIES

Plot No: 1002/2 E, IV Phase, G.I.D.C. Estate, Vapi 396 195 (Gujarat)
 Tel: 0260 - 299 1377
 Mobile: 98241 30918, 93770 03336 • Website: www.heat-coolfin.com
 E-mail: heatcool@rediffmail.com / heatcoolvapi@gmail.com

No-Rebound Hammers

IBK Engineers offers a wide range of No-Rebound Hammers. Features are: the housing is filled with a special steel pellet that transfers momentum to the impact point. Ideal for assembling machine parts without damage; speeds up work while reducing fatigue; allows better hammer control by absorbing the bounce; hickory-wood handle; available in five standard sizes plus two sledge hammer sizes; supercraft no-rebound hammers have replaceable nylon inserts; these inserts are hard, grease and oil resistant, highly elastic, and have superior strike effectiveness. Applications include assembly operations, metalworking, tooling, positioning of workpieces, automotive assembly and repair work, joining of workpieces, sheet metal working, dent removal, mold construction, assembly of sharp-edged workpieces, and scaffold construction. The company is engaged in the wholesaling, supplying, distributing, of deep groove ball bearings, mechanical bearings, roller chains, steel rear sprockets, safety equipment, etc.



Contact:

IBK Engineers Pvt Ltd
B-219, 4th Cross, 1st Stage, Peenya Industrial Estate
Bengaluru, Karnataka 560 058
☎ 080 – 2632 1112 • Mob: 98805 66644
E-mail: raju.kn@ibizkart.com

ABC Fire Extinguishers

Kanadia FYR Fyter offers ABC Fire Extinguishers. Kanex's ABC fire extinguishers are very effective against all classes of fire risks. It can easily extinguish A, B, and C classes of fire as well as electrical fires; this extinguisher is available in several versions; the fire extinguisher is designed by making use of high-end components; the extinguishers are portable in nature and are ideal for industrial, domestic, and commercial protection needs. The company is a leading manufacturer of fire extinguishing products and systems. It focuses on delivering world-class and reliable safety equipment. Kanex is a renowned manufacturer of a wide range of fire protection equipment, such as fire suppression systems, water mist, kitchen suppression systems, compressed air foam systems, and related systems.



Contact:

Kanadia FYR Fyter Private Limited
No: 502, 5th Floor, A-Wing, Damji Shamji Corporate Square
Andheri Ghatkopar Link Road, Laxmi Nagar
Ghatkopar East, Mumbai 400 075
☎ 022 – 2500 1288 • E-mail: marketing@kanexfire.com

Fire Entry Suit

RNG Performance Materials manufactures Fire Entry Suit. The features are: it is a specially made to protect the wearer from flashover and flame engulfment. This fire entry suit is designed for a perfect fit, providing the wearer with the required freedom while moving along with outstanding flame protection, radiant heat reflectivity, and wet flex resistance. This fire entry suit is made with Aluminized fiberglass and multiple layers of insulation ranging from 3 layers to up to 8 additional layers. Therefore, it range from being light weight to heavy weight depending upon the time the fireman has to spend inside flame engulfment for rescue operations. As a fire entry suit manufacturer in India, RNG Performance Materials has extensively tested the suits to check that they provide protection in extremely high-temperature environments. The company is a manufacturer of top quality high temperature fabrics, fire safety PPE, and fire blankets. Their products range includes fiberglass fabrics, aluminized fiberglass, high silica fabrics, silicone coated fiberglass, welding blankets, fire blankets, ceramic fire blankets, fire proof covers, fire curtains, fire proximity suits, molten metal splash PPE, and high temperature insulation.



Contact:

RNG Performance Materials
302 Pearl, Nautilus, Vasna Road, Vadodara, Gujarat 390 015
Mob: 99784 41311 • E-mail: sales@rng.asia

Sensors

Schunk Intec India offers an extensive portfolio of sensors for inductive, magnetic, and optical monitoring of gripping, turning, and linear modules, as well as robot accessories; in addition to contactless and simple switches for a position, there are programmable sensors with adjustable hysteresis and two adjustable switching points; and Schunk Sensors with analog outputs are suitable for several different positions or measuring procedures. The company is engaged in the distribution and supply of industrial automation systems, automation work holding, tool holding, heat shrink tool holders, etc.

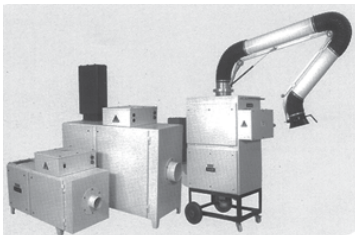


Contact:

SCHUNK Intec India Private Limited
No: 80-A3 & 80C/C-1, Yeshwanthpur Industrial Suburbs
Bengaluru, Karnataka 560 022
☎ 080 – 4053 8999 • E-mail: info@in.schunk.com

Fumekiller

Powertech Pollution Controls, an ISO 9001: 2015 Company offers Fumekiller Electrostatic Filtration System, which is a high-efficiency two-stage electrostatic precipitator, designed, developed and manufactured for the capture and control of fumes, mist, smoke and fine dust. Features: the filter modules are many times washable and re-usable during the life of the equipment; Maintenance and running cost are low when compared to conventional mechanical filters. The company has incorporated safety features such as motor protection, limit switches and high voltage fault trip circuitry for reliable, safe and efficient functioning. These systems contribute to a safer, healthier work environment where toxic airborne pollutants are removed. The company provides excellent factory support and product expertise based on years of industrial process emission control. Applications: Fumekiller can be used for the capture and control of fumes, smoke and fine dust from welding, EDM, Induction hardening, In spray, Heat treatment, Oil quenching, wire drawing, annealing, soldering, dip tinning, wave soldering, rubber curing, die casting, oil mist, coolant mist, diesel gensets, etc. It can also be used for capturing fine powder from tableting, capsuling and finishing operations.



Contact:

Powertech Pollution Controls Pvt Ltd
 #22/3 RM Rajanna Building, Munikrishnappa Road
 Ramachandrapura, Jalahalli PO
 Bengaluru, Karnataka 560 013
 ☎ 080 – 2345 2156 • E-mail: powertech@airtelmail.in

Roots Vacuum Pumps

Toshniwal Instruments (Madras) offers Roots Vacuum Pumps. The Roots-type pumps belong to the group of positive displacement delivery pumps. Two symmetrical pistons having an eight feature, housed in the pump body, rotate in opposite directions with no contact neither between each other or with the pump body, meshing continuously. The pistons are driven by a set of gears with synchronized rotation, which guarantees friction free movement. During rotation, a progressively growing space is created with corresponds to the suction stage: phase 1 and 2, being gradually decreased phase 3 and 4, compressing the volume of gas. This cycle is repeated four times per each complete rotation of the drive shaft.



Contact:

Toshniwal Instruments (Madras) Pvt Ltd
 267 Kilpauk Garden Road, Chennai 600 010
 ☎ 044 – 2644 8983 • Fax: 044 – 2644 1820
 E-mail: sales@toshniwal.net

GAS ANALYSERS



SO₂% MEASUREMENT SOLUTION FOR JUICE AND SYRUP SULPHITATION

 Ambient Air Quality Monitor ACE 10000 AAQ ECO	 Online Zirconia Oxygen Analyser (Unheated Probe) ACE 2000 UHP	 Dilution Based CEMS ACE 10000XX DP
 ACE 10000 XX CEMS	 Food Ripening Analysers ACE 60 FR	 Dust Monitor Single Pass Transmission Meter ACE 10000 OT
 Dust Monitor Double Pass Transmission Meter ACE 10000 OTPT	 Online Zirconia Oxygen Analyser (Heated Probe) ACE 2000 HP	

PORTABLE ANALYSERS

 AGNI Handheld Combustion Analyser	 AYUSH Handheld Incubator Testing Analyser	 VAYU Handheld Analyser for Testing Flue Gas Emissions	 Carry Case Coal Gas Analyser ACE 9000X CGA
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ONLINE DETECTOR

	Multichannel Gas Detection System ACE 40	
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* Fully Indigenous * Sensors with 3 years warranty
 * Assured Service Back-up * Low Cost
 * Meets latest CPCB Norms

ACE GAS ANALYSERS PVT. LTD

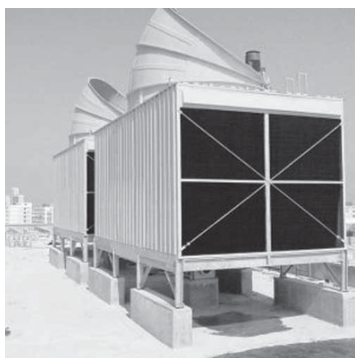


342 Edison 1, Tesla Industrial Park
 Raheja District II, Near Prabhat Dairy
 MIDC Juinagar, Navi Mumbai 400 705
 Tel: 022 - 2087 1056 / 022 - 2087 1057
 E-mail: sales@acegasanalysers.com
 Website: www.acegasanalysers.co.in / sme.in/acegas

DEALERSHIP ENQUIRIES SOLITED

Cross Flow Cooling Tower

World Cooling Towers offers a wide range of Cross Flow Cooling Towers. The features are: Cross Flow Cooling Tower concocted by induced draft methods. It runs by air flows via the fills in a horizontal fashion and water falls down in a vertical way. It remains filled with splash-type fillings; the splash-type fillings are eligible and flexible for applications where water gets hold of higher suspended particles; it is a user-friendly operation. The benefits include: easy maintenance access to distribution nozzles; low static pressure drop; reduced drift; reduced recirculation; more air/fan HP; lower energy and operating costs. The company is a manufacturer of cooling towers using new technologies to meet the customer's requirements at an affordable price.



Contact:

World Cooling Towers

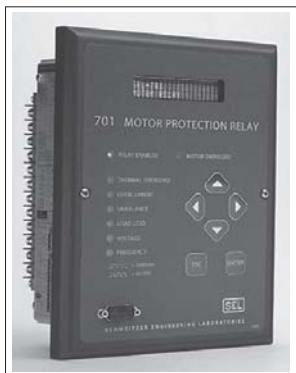
33, Parvathy Mahal, Kuniyamuthur, Tamil Nadu 641 008

Mob: 91430 22255, 91431 22255

E-mail: worldcoolingtowers@gmail.com

Motor Protection Relays

Gujarat Plug-In Devices offers Motor Protection Relays, which are used for protecting 3-phase AC induction motors against adversities and hazards. Features: these products eliminate usage of the thermal/bi-metal relay for motor protection, and are used for current sensing, in air-conditioning compressor motors and also in motors in machines, conveyors, cranes, hoists, lifts, and pumps for protection; the protection relays are selected as per motor rating with customized features; fixed/adjustable unbalance settings; fixed/adjustable settings for under/over voltage, current, and load; fixed/adjustable trip delays. Gujarat Plug-In Devices is an ISO 9001: 2008 company, and its products range comprises dry type lighting transformers, cast resin transformers, control transformers, UL approved transformers, CE marked transformers, lighting transformers, fabricated annunciators, phase failure relays, monitoring relays, and motor protection relays.



Contact:

Gujarat Plug-In Devices Private Limited

989/3 Makarpura GIDC, Vadodara, Gujarat 390 010

☎ 0265 – 263 7209 • Mob: 99250 42386

E-mail: info@gpd-transformers.com

Vacuum Circuit Breaker

Excel Power Switchgear offers a wide range of Vacuum Circuit Breaker. The features are: the vacuum circuit breaker is the heart of the switchgear, which consists of the vacuum interrupter, spring charged motor, closing solenoid, opening solenoid, anti pumping device, contact arm with isolating contact, buffer system, with-drawable trolley, and multi pole control wiring plug and socket through which the circuit breaker is coupled with the control and protection circuit; the with-drawable trolley mechanism establishes the mechanical connection between the panel and the circuit breaker; operating mechanism: the mechanism employed in the circuit breaker is a stored energy system that uses a charging motor to compress the closing spring. During the closing operation, the energy stored in the closing spring is released; this allows the mechanism to close the vacuum interrupter contacts, compress the contact pressure springs, charge the opening spring, and overcome frictional force. When the circuit breaker is opened, the energy stored in the opening and contact pressure spring is released, and the vacuum interrupter contacts are opened.



Contact:

Excel Power Switchgear Pvt Ltd

15, 1st St, Gandhi Nagar, Achugam Nagar

Ekkatuthangal, Chennai 600 032

☎ 044 – 2225 4870 • E-mail: sales@excelpower.co.in

Special Fasteners

Micron Precision manufactures special fasteners that are customized to meet customer specifications. The extensive special products range consists of high tensile bolts, screws, nuts, studs and so on ranging from 4 mm to 40 mm and 8 # 32 to 1/2" with maximum length 400 mm long. Special Products Range includes: Wheel/Hub Bolts, Wheel Studs/Nuts, Track-shoe Bolts/Nuts, Flange Bolts, Axle Bolts, Connecting Rod Bolts/Nuts, Two-Piece Wheel Nuts, Main Bearing Cap Bolts, Cylinder Head Studs/Bolts/Screws, Tappat Screws, Counter Weight Bolts, Fly-wheel Bolts, Banjo Bolts, Centre Bolts, and Spare-Wheel Carrier mounting bolts/nuts, Durlock Bolts, Double-end Studs and so on. Applications: Automobiles; Indian National Railways; Indian National Defence; Electrical and Electronic Equipment; Earthmoving machinery; Machine manufacturing; etc.

Contact:

Micron Precision Screws Ltd

8th Milestone, Delhi Road, Rohtak, Haryana 124 001

Mob: 88009 26668 • E-mail: info@mpfasteners.com

Parallel & Woodruff Keys

R K Engineering manufactures and offers parallel and woodruff keys. Parallel keys are manufactured as per IS: 2048/83 and Woodruff keys as per IS: 2294. These are made from EN-8/9 material in soft condition. They can also be made from SS-410 and SS-316. The keys are used in industries like automobile; textile; machine tool; motor and pump; and cement industries, etc. Also offered are non-standard keys to suit customer's requirements.



Contact:

R K Engineering Co
12 Nanik Motwane Marg, Opp: HDFC Bank
Fort, Mumbai 400 023
☎ 022 - 2267 1141 E-mail: rkengcomp@gmail.com

Low Temperature Belt-Type Sludge Dryer

Transcend offers Low Temperature Belt-Type Sludge Dryer. The dryer adopts direct low temperature drying. Direct low temperature drying makes hot effect on sludge, producing high thermal efficiency. Moreover, low temperature protects organism in the sludge from splitting and volatilization, while the circulation hot wind takes only water out from the sludge. Drying temperature is 45-50°C (temperature of the recycle to dehumidification heat pump, while blowing-in temperature is 60-75°C (bottom layer). Dehumidification heat pump sludge dryer makes use of dehumidification heat pump to carry out the sludge through hot-air recycling, condensing, dehumidifying and drying. The evaporation of the sludge moisture produces latent heat. And the condensation of vapour on heat pump requires latent heat as well. Both process of latent heat is equal according to the law of conservation of energy. As a result, drying process does not require additional heat capacity. The energy consumed during the process is the electricity for the input to compressor, fan and motor. This dehumidification dryer is equivalent to the combination of dehumidification heat pump and mesh belt conveyor (playing the role of sludge placement). The Principle of Drying Material at Low Temperature: The hot dry air flows through wet materials and takes away moisture thus becomes hot wet air, which then passes through the cold end of heat pump and condenses the absorbed water (dehumidification). The cold dry air after dehumidification is then heated by the hot end of heat pump and becomes hot dry air (energy recovery). A new cycle starts.



Contact:

Transcend Cleantec Pvt Ltd
S No: 37/2, Shed No: 463/1, Nr: Joshi Transformer
Narhe, Taluka Haveli, Pune, Maharashtra 411 041
Mob: 86691 90129 • E-mail: info@transcendcleantec.com

ELECTROMAGNETIC FLOWMETERS

Flow Transmitter



Applications

- Water Treatment
- Pump Testing
- Paper & Pulp
- Effluent Treatment Plants
- Waste Water & Sewerage
- Food & Dairy Processing
- Chemical Process Plants

Features:

- Rate Indicator / Totalizer Functions
- Batch Function
- Latest Pulsed DC Excitation
- Linear & Accurate
- Separate Version
- Computerized Data Logging
- Easy Maintenance



Flow Sensor

LOAD CELLS

Various Applications:

Bench, Platform, Belt, Hopper, Crane, Material Handling Scales, etc.



Suitable for applications where height is critical, material testing machines and other tension applications.

Model ULC



MINIATURE: Stainless steel load cells for special applications such as Space Constraint Areas, Robotics, R&D, Automobiles, Keyboard Testing, Piano, etc.

PRESSURE TRANSMITTER / MELT PRESSURE TRANSDUCER / DIGITAL PRESSURE GAUGE

Applications:

- Hydraulic / Pneumatic Control • Pump & Compressor
- Pharmaceuticals / Food • Off-Road Vehicles • Process Controls
- HVAC • SMART • Water Management • Petrochemicals • etc.



OTHER PRODUCTS:

- STRAIN GAUGES • DIFFERENTIAL PRESSURE TRANSMITTERS
- DIGITAL INDICATORS • FUEL ADDITIVES • JUICE DISPENSING MACHINE

HARIS

Haris Sensor Technologies Private Limited

223, Shanti Industrial Estate, S.N. Road
 Mulund (W), Mumbai 400 080

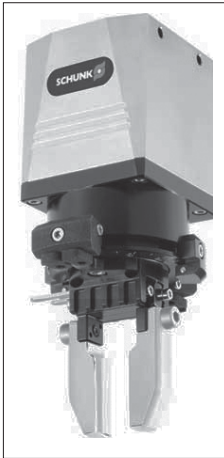
Telefax: +91 - 022 - 4750 0300

Mobile: +91 - 98200 84083

Email: info@haris.in • Website: www.harissensor.com

Rotary Gripping Module

Schunk Intec India offers a wide range of Rotary Gripping Modules. The features are: it can be used in a wide range of applications, from loading and unloading workpiece carriers to insertion operations in assembly processes and picking of finished goods in covering boxes; offered gripper swivel modules by default as compact, modular designed parallel, centric, and angular gripper swivel modules; furthermore, innovative design tweaks, such as the powerful rotor drive, as angle of rotation up to 180° and end-position and cushioning adjustment, are combined with state-of-the-art production technology to give the grippers robust reliability and precision, therefore making them safe investments with a long service life. The company is engaged in products distribution and supply of industrial automation systems, automation work holding, tool holding, heat shrink tool holders, etc.



Contact:

Schunk Intec India Pvt Ltd

No: 80-A3 & 80C, C-1, Yeshwanthpur Industrial Area
Yesvantpur Indl Suburb, Bengaluru, Karnataka 560 022
☎ 080 – 4053 8999 • E-mail: info@in.schunk.com

Electrical Reset Tripping Relay

JVS Electronics Pvt Ltd offers an Electrical Reset Tripping Relay JRV 192 T. The features are: the high-speed tripping relay is voltage operated, attracted armature type with 8 contacts per relay; each element is enclosed in a dust proof moulded, transparent, polycarbonate cover; radio metal is used for the magnetic components such as the armature, the core, and the yoke of the auxiliary relay to ensure good electrical performance; the contacts are made of phosphor bronze and are nickel-plated; and the contact tips are made of pure silver. The use of these materials ensures very good contact performance; their features include a wide range of voltage and contact configurations; an electromechanical design; electrical reset contacts; a protective transparent cover for the element; and a compact panel mounting case. JVS supplies audio indicating instruments, visual indicating instruments, electrical indicating instruments, etc.



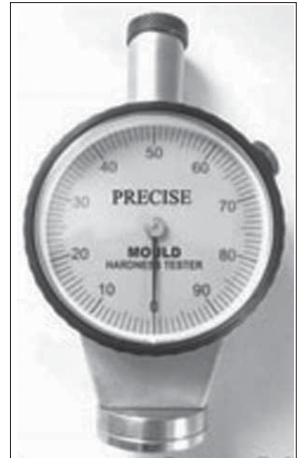
Contact:

JVS Electronics Pvt Ltd

Office No: 121, Manchanayakanahalli
28th KM, NH 275, Bidadi, Karnataka 562 109
Mob: 94482 88863 • E-mail: bangalore@jvselectronics.in

Hardness Tester

Sudershan Measuring offers Hardness Tester. The features are: manufactured in accordance with AFS specifications, this mould hardness tester is used to determine surface hardness of green sand mould; the hardness test can be performed within seconds; user simply presses the tester against the mold surface and notes reading on the dial. Excessive pressure will not alter the reading and it operates in any position; this A 1/2 in. (12.7 mm) radius ball contact point is loaded with a spring pressure of 980 g. The softer the mold surface, the greater the penetration into the mold; it's a mold offering no resistance to the contact point would have a zero reading and one having hardness capable of preventing penetration would read 100. The company specialises in non-destructive testing, instruments as digital portable metal hardness tester, coating thickness gauges, ultrasonic thickness gauges, surface roughness testers, rubber hardness testers, etc.



Contact:

Sudershan Measuring & Engineering Pvt Ltd
4781 Hauz Qazi, Ground Floor, Main Road
Near Chawri Bazar, Metro Station, Delhi 110 006
☎ 011 – 2321 6372 • Mob: 93126 30688
E-mail: smeplonline@gmail.com

Digital Moisture Meter

Powercon Electro Device & Systems offers Digital Moisture Meter. The features are: the most sought after range of moisture meters that are widely used for measuring the moisture level in food grains such as rice, wheat and barley; in addition to this, their digital moisture meters are widely used to ascertain the moisture level in food items such as tea, coffee, wood and chemicals; these are available in different models along with various specifications to fulfill the requirements of clients. The company is engaged in distributing and supplying a range of electronic and electrical components and instruments; regulated DC power supply, high voltage power supply, etc.



Contact:

Powercon Electro Device & Systems
Plot No: 24-25, Parbhu Nagar, G-05, Rajat Apartment
Annapurna Nagar, Bijapur, Indore, Madhya Pradesh 452 012
☎ 0731 – 4227 485 • Mob: 94253 49522, 99939 96928
E-mail: pedsindore@hotmail.com,
powercon.electrodevice@gmail.com

Skip for Aggregates Loading

Sicoma Mixers India Pvt Ltd offers Skip for Aggregates Loading. More than just an accessory, the skip hoist for the aggregates has to be considered as an actual machine by itself. All SICOMA mixers up to 4 m³ output can be equipped with the skip to have a compact layout and to save costs for the plant footprint. They are designed for the best reliability and safety using the twin drum hoist. It allows the skip bucket to be operated by a single steel rope capable of self-balancing the load by pulling the bucket from both sides. The lock under the bucket, bolted to the rope, prevents the bucket from falling in case of rope failure. All models are available with high speed up and down (30 m/min) and all models above 2 m³ output are operated by variable frequency drive (VFD).



Contact:

Sicoma Mixers India Pvt Ltd
Plot No: 16&17, KIADB Industrial Area, Dobaspet
Nelamangala Taluk, Bengaluru, Karnataka 562 111
☎ 080 – 2773 4033, 2773 4022 • E-mail: sales@sicoma.in

Centrifugal Open Well Pump

Toshio Technology Pvt Ltd offers Centrifugal Open Well Pump THO Series. Features: Silent and Vibration free Pump; Easy installation; High quality Carbon Bearing on both side of Rotor (Dual Thrust Bearing); Dynamically balanced Copper Rotor; Easy re-windable water filled motor. Technical Data – Flow Range: 126 m³/hr; Maximum Head: Up to 85 m; Liquid Temperature: Up to 40°C; Frequency: 50 Hz; MOC: 0.5 to 2.0 HP: Motor Body Stainless Steel, Volute/Impeller: Cast Iron; 3 HP to 30 HP: Cast Iron, Volute/Impeller: Cast Iron; Standard Cable Length: 0.5 HP to 2.0 HP – 5 m, 3.0 HP to 30 HP – 3 m. Applications are: Rural and Urban Drinking water supply; High rise building water supply; Lawn and Gardening; Sprinklers and drip irrigation; Agriculture, Horticulture and Lift Irrigation; Decorative fountains and water falls.



Contact:

Toshio Technology Pvt Ltd
Unit 1, 601/D, Wifi Park, Road No: 1, Above Satkar Grande
Opp: Aplab Co, Wagle Indl Estate, MIDC
Thane, Maharashtra 400 604
☎ 022 – 2582 8400 • Mob: 91672 02692
E-mail: sales@toshio technology.com



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Industrial Society, Near Post Office, MIDC, Bhosari,
Pune - 411 026, Maharashtra

Telefax : 020 - 27129820

Mobile : 9766626745

Email : vvmujumdar@gmail.com

Web : www.vvmujumdar.com

Stainless Steel Fasteners

Shruti Fastener Industries LLP is a leading manufacturer and supplier of international quality Cold Forged Stainless Steel Fasteners in 304 and 316 grades. The Company makes

fasteners such as Screws, Nuts, Bolts, Washers and Threaded Rods, Allen CSK Screws, Button Head Screws, Socket Head Bolts, Low Head Allen Cap Screws, Slotted Cheese Head Screws, Slotted CSK Head Screws, CSK Phillips Head Screws, Pan Slotted S/T Screws, CSK Slotted S/T



Screws, Pan Phillips Head S/T Screws, Spring Lock Washers (Square Section), Plain Washers, Spring Lock Washers. Shruti also manufactures fasteners according to customer's special requirements or specifications. Products applications are: Building Construction; Marine Industry; Hydro Electric; and Engineering.

Contact:

Shruti Fastener Industries LLP

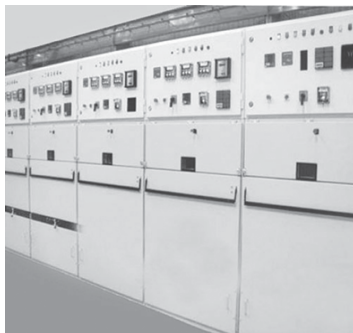
Shed Nos: 202 & 490, Survey No: 24/1/A, B/h: Hotel Ashirwad Chinchoti Naka, Vill: Mauje-Kholi

Tal: Vasai, Dist: Palghar, Maharashtra 401 208

☎ 74100 353512/74100 35352 • E-mail: info@srtfasteners.com

Medium Voltage Vacuum Circuit Breaker Panels

Sanjay Technical Services provides Medium Voltage Vacuum Circuit Breaker Panels (33 kV and 11 kV VCB panels). Features: These panels are manufactured with state-of-the-art technology that guarantees reliable service and ensures functional excellence and safety; the equipment has a fully compartmentalized construction with an IP4X/5X degree of protection; some of its applications are that of backup protection of power transformers, motors, capacitor banks, and power distribution systems; panels are customized to client specifications and requirements; these panels are manufactured of the finest quality material and put to test by an expert team before delivery; they are reliable as they conform to IE regulations. The company is a leading electrical panel builder and electrical contractor.



Contact:

Sanjay Technical Services Pvt Ltd

D-38, Phase IV Extension, IDA Jeedimetla

Hyderabad, Telangana 500 055

☎ 040 – 2309 5558 • Mob: 98495 13001

E-mail: sanjaytechnical@gmail.com

High Precision Collets & Guide Bushes

Tecnicrafts Industries manufactures and exports High Precision Collets and Carbide lined Guide bushes, Barfeeder collets, Sleeves and Drill holders for Swiss-Type CNC Lathes. The Company supports all leading Brands of Swiss CNC machine versions in Asia/Europe and America. Features: Made



from quality steels, carbides; Faster Delivery; Strong Customer Support; High Quality and Precision; Quality driven process and control; all processes and facilities under one roof; and Customised Solutions. The Company also offers Special/Customised Solution – produces high precision sleeves, Closed Guide Bush, Long nose Guide Bush, Croco Collets, Wave Guide Bushes, Sleeves. The Bore profile includes Round, Hexagon, Square, and Special Profiles, etc.

Contact:

Tecnicrafts Industries

SF No: 91, Sai Keerthi Industrial Estate, Seerapalayam

Coimbatore, Tamil Nadu 641 105

Mob: 94432 94410, 73050 55536

E-mail: info@tecnicrafts.com

RRB Type CI Spacer Star Jaw Coupling

Bonna-Flex, an ISO 9001: 2000 Certified Company supplies RRB Type CI Spacer Star Jaw Coupling. Features: Simple Construction; Quick easy installation; No special tools required; Designed for back pull out pumps; Driven unit is required like compressors, generators, blowers, etc; Do not need to dismount drive for maintenance. Technical Details: Available in range up to 100 HP/24 kg; Range from 21 nm to 260 nm; Rated power from 0.21 kW to 2.76 kW at 100 rpm.



Contact:

BONNA-FLEX

7/3 Samrat Industrial Area, B/h: Chandan Marble

Gondal Road, Rajkot, Gujarat 360 004

☎ 0281 – 236 0761 • Mob: 75729 40600

E-mail: info@bonnaflex.com

Thread Rolling Machines

Royal Machine Tools manufactures Automatic Thread Rolling Machine, High Speed Thread Rolling Machine and Trimming Machine, Cold Forge Header Machine, High Speed Cold Forge Pneumatic Clutch Header Machine, High Speed Vertical Thread Rolling with Automatic Feeder, Automatic Bolt Feeding Conveyor System, etc.

Contact:

Royal Machine Tools

263 St No: 5/4, Village Gill, Jasdev Singh Nagar

Ludhiana, Punjab 141 003

Mob: 96977 78000 • E-mail: royalmachinetools48@gmail.com

Automatic Voltage Controller

Jindal Rectifiers offers Automatic Voltage Controller. Advantages of Automatic Voltage Controller (AVC): Resolves 99% of voltage problems automatically, and ensures steady voltage supply round the clock. Some key advantages of installing an AVC are:

Up to 80% reduction in Breakdown of Electrical Equipment; Up to 30% savings in Electricity costs; Enhanced Productivity of Plant; Uniform Quality of End Product; Reduction in MDI (Peak Demand); Improvement Power Factor; 40% Depreciation as per IT Act in India. Jindal's AVC not only stabilizes incoming voltage fluctuations, but in the process also helps save energy up to 30% and reduce breakdown up to 80%. It ensures continuity in production and consistency in quality despite incoming voltage variations. Owing to its high efficiency and associated benefits, the pay-back period for the cost of AVC is typically between 6 to 18 months, depending upon the nature and duration of load and the extent of voltage variation. And more often than not, it is simply avoiding a few hours of machine downtime or just one failure to recover the cost of the equipment. Applications: Mines and Collieries; Hotels and Restaurants; Hospitals and Clinics; Oil Plants; Rolling Mills; Vineyards and Poultry Farms; Schools and Colleges; Cement Plants; Food Processing Units; Tea and Coffee Estates; Rubber Industries; Plastic Moulding; Sponge Iron units; Offices and Residences; Flour Mills; Pharmaceutical Units; Paper Mills; Textile Mills; High Rise Buildings; Breweries and Beverages; Shopping Malls; Cold Storages; Warehouses; Leather and Footwear; Showrooms; and any kind of manufacturing.

Contact:

Jindal Rectifiers

Plot #195 & 163, Sector 24, Faridabad, Haryana 121 005

☎ 0129 - 431 8001 • Mob: 88265 85858

E-mail: sales@jindalelectric.in



Screws & Keys

K Engg Products offers a wide range of Screws and Keys, Die Mould Chucks, etc. The Company imports ER Collets and supplying the same all over India through a network of dealers. K Engg Products aims to bring latest technology from all over the world to India at an affordable price.

Contact:

K Engg Products

Shop No: G18, Basveshwar Industrial Complex

Sector 10, PCNTDA, Bhosari,

Nr: Vishveshwar Chowk, Pune, Maharashtra 411 026

Mob: 86687 69285 • E-mail: info@enggproducts.com

Structural Steel

Kirby Building Systems & Structures India Pvt Ltd supplies Structural Steel. The structural steel has traditionally been fabricated on-site mainly due to lack of infrastructure for transporting heavy sections from an off-site workshop to project site. Moreover, there is often insufficient space at a site to set up a fabrication workshop and skilled labor is available at a premium. These issues can always be mitigated by workshop made steel structures which are proving to be more efficient in terms of quality and timelines. This helps to reduce the time and cost of execution, and is expected to fuel the demand for steel structures in future. Applications of Structural Steel: Steel Plants, Cement Plants, Chemical Plants, Power Plants; Metal Smelters, Fertilizers and Petrochem, Oil and Gas Structures, Airport Terminal Buildings, Railway Bridges, Transmission Towers, Telecom Towers, Bridge Girders, High Rise Buildings – Commercial and Residential, Shopping Malls, Multiplexes, etc.

Contact:

Kirby Building Systems and Structures India Pvt Ltd

Unit 1, Plot No: 8-15, IDA Phase III, Pashamylaram

Dist: Sangareddy, Telangana 502 307

☎ 84552 24401/02 • E-mail: kirby@kirby-india.com



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14, Veena Dalvai Industrial Estate, S V Road

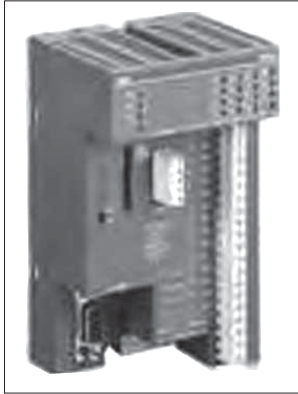
Oshiwara, Jogeshwari (W), Mumbai 400 103

Tel: 2678 1566 / 6695 9526 • Fax: 022 - 2678 6296

E-mail: shacon@vsnl.com / shaconeng@gmail.com

Programmable Logic Controller

Precise Automation and Control offers Programmable Logic Controller. Features are: this AC500-eCo is an economical entry level PLC for stand-alone solutions and equipment control; economical entry level for PLC stand-alone solutions; space saving solution due to onboard digital and analog I/O; hardware and software are compatible with the AC500 family; high reliability design reduces maintenance costs; time saving solution – get more with less engineering time; easy to program – select from 6 programming languages; graphical diagnostics means shorter commissioning time; easy to upgrade. The company provides customized automation training courses for ABB range of products, both hardware and software. Their products range is always expanding to give the customer a one stop for total application training needs.

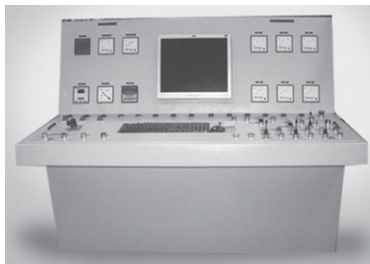


Contact:

Precise Automation and Control Pvt Ltd
Plot No: 284-11, GIDC Ind. Estate, Makarpura
Vadodara, Gujarat 390 010
☎ 0265 – 264 2457 • 8048967150, 9824014076
E-mail: info@preciseautomation.in

High Quality LT Control Panel

Bajaj Steel Industries Limited offers High Quality LT Control Panel. Features are: LT panels come in quality construction finish and are suitable for operating voltages below 440 volts; these low tension systems can be provided with options of different types of panel support and support the demands of controlling of power; an advanced range of PCC panels in different sizes depending upon the amount of current they handle; the range available is from 16 A to 10,000 A; different switchgear options of air circuit breakers (ACB); moulded case circuit breaker or switch disconnector fuse unit. The company manufactures machinery for cotton ginning. Their technology types are double roller, saw gin, and roto-bar. In all pressing technologies, they have down packing, up packing, and horizontal packing, as well as seed cleaning, etc.



Contact:

Bajaj Steel Industries Limited
C-108, MIDC Industrial Area, Hingna
Nagpur, Maharashtra 440028
☎ 07104 – 238 101 • Mob: 93251 32311, 93251 32306
E-mail: bsi@bajajngp.com

Low Voltage Three-phase Transformers

Miracle Electronic Devices Private Limited offers a wide range of Low Voltage Three-Phase Transformers. Features are: designed to meet the demanding power needs of various industries. The Company's expertise in transformer manufacturing and commitment to quality, they deliver efficient and reliable solutions that power your systems with precision. Robust construction: Built to withstand rigorous industrial environments. They are constructed using high-quality materials and designed for long-lasting performance; Compact design; High efficiency; Designed to minimize energy losses and ensure optimal power conversion, thereby reducing operating costs; Offers a wide range of customizable options to meet the specific voltage, power, and frequency requirements; Provide tailored solutions that best suit the application; Transformers maintain a stable output voltage, even under varying load conditions. This ensures reliable performance and protects equipment from voltage fluctuations. Applications: in various industries, including Industrial Sector: heavy machinery, motors, and equipment in manufacturing plants, factories, and industrial complexes; commercial buildings for lighting systems, HVAC, elevators, and other electrical installations; in renewable energy systems, such as wind farms and solar power plants, where they step up or step down voltage levels to facilitate power distribution.



Contact:

Miracle Electronic Devices Private Limited
48/1 Karihobanahalli Village, Thigalarapalya Main Road
Peenya 2nd Stage, Bengaluru, Karnataka 560 058
☎ 080 – 2836 2750, 2836 2751
E-mail: info@miracle.net.in

Natural Gas Generator Sets

Pai Kane Group offers Natural Gas Generator Sets, 135 kVA to 1250 kVA. Features: these power generator sets cater to the needs of industries, commercial establishments, and residential users. The company manufactures 15,000 generator sets per year, with a range from 5 kVA to 3000 kVA; with a skilled workforce and state-of-the-art technology for consistent quality comes strong design capabilities. All of its value-engineered power solutions undergo stringent testing processes. The company is a technology driven organization with a mission to transform gensets into Class-A white goods.



Contact:

Pai Kane Group
58/A, Tuem Industrial Estate, Tuem, Pernem, Goa 403 512
☎ 0832 – 7161 000 • E-mail: sales@paikane.com

High Performance Step Down Transformers

Servokon Systems Ltd offers High Performance Step Down Transformers. The features are: the transformers are manufactured using quality components, keeping in view the application requirements; with high performance and low power consumption, these transformers are mainly used in printing machines and other imported appliances; the transformers comprise two or more coils of insulated wire that are wound around an iron core. On application of voltage to the primary coil, the iron core gets magnetized, which further induces a voltage in the secondary coil, and in the end, the turns ratio determines the amount of voltage transformation; and this low-power-consuming product has an operational life of 20 to 25 years with no moving parts and an outstanding turns ratio. Insulation between the turns of the wire prevents shorting.



Contact:

Servokon Systems Ltd
Servokon House, C-13, Radhu Palace Road
Laxmi Nagar, Delhi 110 092
☎ 011 – 4244 8381 | Mob: 98106 30786, 98736 30786
E-mail: info@servokon.com

Wireless Remote Control Siren

Forbix Semicon Technologies Pvt Ltd offers a wide range of Wireless Remote Control Sirens. The features are: a remote siren set consists of a wireless remote controller and a wireless alarm receiver, to begin with. The remote, once pressed, triggers the siren alarm continuously; it is also possible to trigger the alarm for a brief moment. In other words, the solution helps alert the neighbors in a situation of burglary or emergency. One remote and one siren set are also found in factories, offices, and industries for alerting staff; the set comprises one remote and one siren. As compared to the traditional panic alert mechanism, the remote siren does not need any wiring or installation. Moreover, it is quite possible to customize the design to enable many sirens that can be triggered from many remotes. Forbix is a leading manufacturing and design company that specializes in electronic and wireless automation products.



Contact:

Forbix Semicon Technologies Pvt Ltd
C4, 2nd Left, Fern City Road, Outer Ring Road
Doddanekundi Marathahalli, Bengaluru, Karnataka 560 037
Mob: 97421 59846, 97423 70190
E-mail: forbix.semicon.sales4@gmail.com

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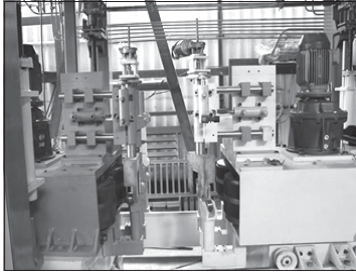
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Welding System - Pull Through

Sharptrax Technologies offers Welding System - Pull Through. The features are: this system offers total solution for automatic and manual welding of beams. The automation of beam line consists of 3 stages of automation to carry out the manufacturing of total beams of specific requirements; tack welding, splice welding and pull through welding stations; tack and splice welding stations are offered as an option; fully automated beam line welding process; high speed welding – 2 to 3 mtrs per minute; welding of beam width from 250 mm to 2100 mm; Lincoln, Panasonic or equivalent power sources; and reduction in wastage and maximise efficiency; in-feed and outfeed conveyors; flux recovery system; very less distortion. The company provides solution in the field of welding automation.



Contact:

Sharptrax Technologies

No: 166, 11th Main Road, Industrial Estate, SIDCO Thirumudivakkam, Chennai 600 040

☎ 044 – 4380 6353, 4746 7444 • Mob: 98401 22149

E-mail: info@sharptraxtechnologies.com

Wire Butt Welding Machine

Parmo Welding Machines (P) Limited offers Wire Butt Welding Machine. Features are: it is designed as portable model mounted on a movable stand with foot operation; the settings for electrode spacing and upsetting pressure are calibrated directly for the different wire size to be welded; the welding process is being automatic permits even unskilled workman to operate the machine faultlessly and ensures uniform welds of high tensile strength, capable of withstanding subsequent drawing; depending upon the material to be welded and the size of wire, 4 different models are available - one model for iron and mild steel wires; one model for alloyed steel and carbon steel wires; and two models for copper, brass, aluminum, and light alloy wires. The company is engaged in manufacturing a range of welding machines, gathering machines, welding plants, etc. It manufactures nearly a hundred types of models in various specifications.



Contact:

Parmo Welding Machines (P) Limited

Mira Udyog Street No: 9A, Opt: Bansidhar Way Bridge Street National Highway 27, Aji Ring Road, Rajkot, Gujarat 360 002 Mob: 98987 70717 • E-mail: paras@parmoelectro.com

Laser Control Micro Compact NT

Blum-Novotest Measuring & Testing Technology Pvt Ltd offers a Laser Control Micro Compact NT. Micro Compact NT laser measuring system for CNC machining centres proven in thousands of applications worldwide; its applications include: support systems provide highest precision; laser diodes and lenses of the highest quality; Intelligent NT-Technology; maximum absolute accuracy with focused laser beam; programmable by integrated microprocessor; pre-aligned laser for easy mounting; extremely robust and long-lasting fast, precise and automatic measurement of all tool types, shapes and cutting materials (PKD, CBN, etc.); tool measurement in real clamping condition and at nominal speed; compensation of spindle drift and concentricity errors of the tool cutting edges; reliable measurement of sensitive and very small tools; measurement of multi-staged tools and special tools. The company has made a name for itself on the list of top suppliers of bore gauges and radio receivers in India.



Contact:

Blum-Novotest Measuring & Testing Technology Pvt Ltd

No: 06 (Old No: 107) 2nd Floor, 1st Main Road

Widia Layout Attiguppe, Bengaluru, Karnataka 560 040

☎ 080 – 2318 5468 • Mob: 90750 04435

E-mail: info@blumnovotestindia.in

Digital Versatile Measuring Machine, Snap

QVI India offers a Digital Versatile Measuring Machine. Features: Snap is designed to measure anywhere – from the shop floor to the lab, or as part of an automated work cell; rugged construction and an open work envelope make Snap easy to implement in virtually any manufacturing setting; its features include: generous 78 mm field of view (standard); 100 mm field of view (optional); simple, one-button operation; fully telecentric, single magnification fixed lens optics; enables fast measurement without fixturing, regardless of part orientation. The company supplies various systems in India across a diverse spectrum of industries including medical, automotive, plastics, electronics, aerospace, and defense, to name a few.



Contact:

QVI India Pvt Ltd

No: 55, RS Tower Building, 1st Floor, Hosur Main Road

Bommasandra, Anekal Taluk, Bengaluru, Karnataka 560 099

☎ 080 – 2783 3383 • E-mail: info@qviindia.com

Oil Filled Distribution Transformer

Recons Power Equipments offers Oil Filled Distribution Transformer. The features are: these transformers are developed using the latest technologies and can be provided with a variety of terminations to suit the requirements for new installation or replacement; optimum efficiency is ensured by delicate proportioning of core and winding losses using CRGO M3 to M5 MOH lamination; transformers are made of electrolytic grade pure copper, with transposition in LV coil for current sharing in parallel conductors; electric grade press paper, boards; and mineral oil, ensuring better regulation and resulting in longer life. The company initially started manufacturing rectifier equipment for electroplating, anodizing, and other electrochemical processes. In a very short interval of time, it earned a name for its reputation in the field of electroplating and anodizing.

Contact:

Recons Power Equipments Private Limited
Plot No: 38, Sector 25, Faridabad, Haryana 121 004
☎ 0129 – 4062 114-16 • Mob: 98719 21777
E-mail: mail@reconsindia.com

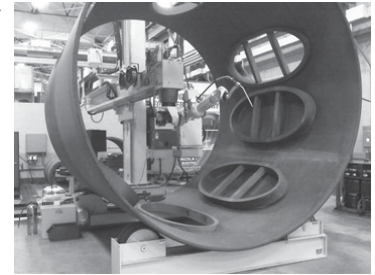


Door Frame Welding Machine

Mehta Sanghvi & Company offers Door Frame Welding Machine for wind towers. The features are: promotech's MCM portable 5-axis shape cutting, beveling and welding machine is designed for cutting and welding processes in door frame welding for wind towers industry; MCM can be also used on flat, horizontal, vertical, convex, concave surfaces, pipes and tanks. The MCM machine allows both sided oxy-fuel or plasma hole cutting, beveling and welding in one fixed position; optionally the MCM machine can be equipped with a welding equipment according to given requirements; and portable CNC oxy-cutting and beveling and saw welding accepts two technologies that apply door to tower; door frame welded directly on tower. The company is a trader, manufacturer and supplier of industrial safety and welding equipment and accessories.

Contact:

Mehta Sanghvi & Company
Industrial Unit No: 21, Gr Floor
Gokul Indl Estate Premises Co-op Society Ltd, Plot No: 150
M V Road, Marol, Andheri (E), Mumbai 400 059
Mob: 98201 27614, 91677 30013
E-mail: mehtasanghvi.k@gmail.com



Diesel Generator Set

Cummins India offers Diesel Generator Set, QSB5.9 Series. The features are: this is a heavy-duty engine and Stamford alternator powered diesel generator set with class defining quantum engine technology with fully integrated subsystems and a full authority electronic engine; it comes with advanced in-cylinder technology to meet the latest emission norms without any after-treatment device; it has smart aesthetics and a superior finish. The generator is compact in size with an optimum power-to-weight ratio; all elements are designed to work together to maximise efficiency even at part loads, offering the advantage of lowest operating costs, a 500-hour/1-year service interval, and a comprehensive warranty on the entire package, including rubber components; and all the major components – the engine, alternator, control system, and canopy are designed, manufactured, and tested by Cummins India., the best and largest customer support network in India.

Contact:

Cummins India Ltd
Cummins India Office Campus, Tower A, 5th Floor
Survey No: 21, Balewadi, Pune, Maharashtra 411 045
☎ 020 – 6706 7000 • E-mail: cpgindia@commins.com



Robotic Solutions for Grinding and Linishing

Grind Master Machines offers a wide range of Robotic Solutions for Grinding and Linishing. The Company is a leading innovator in the field of metal finishing and deburring; they combine their expertise in deburring, polishing, grinding, and finishing technology with the versatile motion capability of robots. Their special belt grinders for robotic applications are used for removing parting lines of complex large forgings and castings very effectively; apart from higher productivity, robotic solutions can give better and more consistent results, thereby eliminating rejections and reworks often encountered in manual fettling, deburring, and belt grinding operations. Grind Master Machines becomes a reputed name in the field of metal finishing in an effort to offer a complete solution with world class grinding and polishing tools.

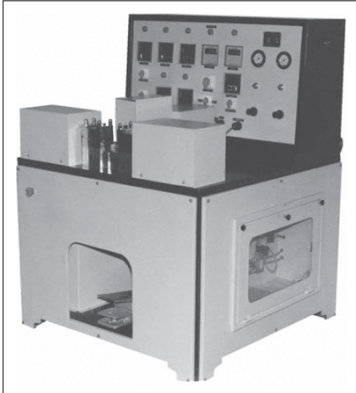
Contact:

Grind Master Machines Pvt Ltd
B-10/B-11/B-14, Railway Station MIDC
Aurangabad, Maharashtra 431 005
Hotline: 90499 48833 • E-mail: sales@grindmaster.co.in



Welding Machine

Eewa Engineering Co Pvt Ltd offers a wide range of Welding Machines. Features are: an electrically operated machine; a pneumatically controlled semi-automatic machine; a clamping jaw suitable for a 10 mm diameter or square rod and flat up to 40 mm width; both sides of the pneumatically operated cylinder with 50 mm movement; a temperature range up to 225 degrees centigrade; a digital timer for horizontal and vertical cylinder operation; electrical heating equipment to generate a 450 degree centigrade temperature; special PTFE-coated jaws; and sealing jaws fitted with heaters. The company has grown from manufacturing impulse heat sealing machinery to being a major corporate player and market in the manufacture of a multifaceted range of products in sealing and packaging machines. A range of products include sealing machines, packaging machines, filling machines, plastic welding machines, industrial heating ovens, industrial electrical heaters, and custom-made machines, etc.



Contact:

Eewa Engineering Co Pvt Ltd
1 Anant Estate, Opp: Comet Estate, Industrial Area
Rakhial, Ahmedabad, Gujarat 380 023
☎ 079 – 2274 3075 • Mob: 98795 38559
E-mail: contact@eewaengineering.com

Thermocouples

Ceramed Engineers Limited offers Thermocouples. A thermocouple is an electrical device consisting of two dissimilar electrical conductors forming an electrical junction that produces a temperature-dependent voltage (expressed in millivolts) with a change in temperature as a result of the Seebeck Effect, and this voltage can be interpreted to measure temperature. Range of Standard Thermocouples: K-Type thermocouple uses Ni-Cr and Ni-Al wire alloys; J-Type thermocouple uses iron and constantan as its component metals. (Constantan is an alloy of nickel and copper); R-Type thermocouple uses Pt/Pt-Rh 13%; N-Type thermocouple uses Ni/Cr/Si-Ni/Si; Mi-Type thermocouple uses mineral insulated K-type Element.



Contact:

Ceramed Engineers Limited
B-67&68, 3rd Stage, Peenya Industrial Estate
Bangalore, Karnataka 560 058
☎ 080 – 2836 3040, 4117 1028
E-mail: sensors@ceramedengineers.com

Welding Blankets

RNG Performance Materials offers a wide range of Welding Blankets. The features are: the welding blanket is used in welding safety to protect industry workers and equipment from welding sparks, heat, and molten metal; this welding safety equipment offers high-level protection from dangers like drops of molten metal, welding sparks, and slag; hence, these blankets can be used in the automobile, shipbuilding, construction, engineering, and many other industries where welding safety is required. The company is a manufacturer of top quality high temperature fabrics, fire safety PPE and fire blankets. Their products include fiberglass fabrics, aluminized fiberglass, high silica fabrics, silicone coated fiberglass, fire blankets, ceramic fire blankets, fire proof covers, fire curtains, fire proximity suits, molten metal splash PPE, and high temperature insulation.



Contact:

RNG Performance Materials
302 Pearl, Nautilus, Vasna Road, Vadodara, Gujarat 390 015
Mob: 99784 41311 • E-mail: sales@rng.asia

Vertical Machining Centre, Chakra BMV 60+

Bharat Fritz Werner offers Vertical Machining Centre BMV 60+ promises unrevealed quality, precision and productivity. These machines are of C-Frame construction with rigid base, robust spindle, and high precision feed mechanism with the Company's state-of-the-art technologies. Heavy-duty machining combined with superior accuracies is the hall mark of these machines. BMV+ Series catering to the requirements of machining small to medium size applications for batch production with diverse range of options, Bharat Fritz can adapt their machining centres to meet specific application requirements for your competitive manufacturing. Best-in class features are: Compact foot print; Superior aesthetics; High metal removal rate; Easy coolant and chip management; Powerful spindle with various power and torque options.



Contact:

Bharat Fritz Werner
Off Tumkur Road, Bangalore, Karnataka 560 022
☎ 080 – 3982 1100, 2839 5745
E-mail: bfwmarketing@bfw.co.in

Industrial Products Source

A Magazine for Indian Industries since 2004

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Distribution Transformer, Single Phase

Nakoda Steel offers Distribution Transformer, Single Phase. The features are: it provides the final voltage transformation in the electric power distribution system, stepping down the voltage used in the distribution lines to the level used by the customer; single phased oil filled distribution transformers are designed to improve the quality and reliability of the electrical distribution systems; these transformers have an interlaced core-type design, making them more resistant to low-side voltage surges; they have tin-plated high and low voltage bushing terminals to accommodate aluminium or copper conductors; proven technology, effectively improving the quality and reliability of the electrical distribution system. The company is one of the leading engineering organizations in India, renowned for manufacturing solar module mounting structures, medium-heavy sheet metal fabrication and processing, C&Z purlins, transformer tanks, frame parts, and assemblies – semi knock down and complete knock down kit (SKD, CKD) of power and distribution transformers.



Contact:

Nakoda Steel

**Plot No: 909 & 949, GIDC Estate, Waghodia
Vadodara, Gujarat 391 760**

☎ 0265 – 258 1608, 258 0663

E-mail: info@nakodaproducts.com

Transmission Chains

Galaxy Chains Pvt Ltd, an ISO 9001: 2015 Company manufactures Transmission Chains such as Roller Chains, Bush Chains and Extended Pitch (Double Pitch Drive) Chains.



The Company also manufactures Leaf Chains, Attachment Chains, Agriculture Chains, Power Tiller Chains as well as ISI and UNICEF approved Pump Chains. Galaxy Chains are available in Carbon Steel, Nickel plated, Cadmium plated and Stainless Steel.

Contact:

Galaxy Chains Pvt Ltd

N H 8B (27 New), Opp: Field Marshal High School, Shapar Industrial Zone, Shapar (Veraval), Rajkot, Gujarat 360 024

☎ 02827 – 252 217, 252 218

E-mail: galaxy@galaxychains.com

Self-Tapping Screws

Sumit Fasteners are a leading manufacturer of a wide range of MS Self Tapping Screws and MS Machine Screws. Phillips pan head self-tapping screws, like the name suggests, does not require a pilot hole. The basic shape of the screw is round, and does not come with a slot for the positioning of a screwdriver. Therefore, the usage of these screws should be carefully mapped before nailing it. These screws can be used in sheet metal and timber-to-metal applications. The tensile strength of these screws allows it to be used in high load applications as well. Also offers Chipboard Screws.



Contact:

Sumit Fasteners

Plot 798, Industrial Area, Phase 2, Chandigarh 160 002

☎ 0172 – 461 7950 • Mob: 97799 35011

E-mail: sumit.fastners@gmail.com

Three Phase IN-3 Phase OUT Online UPS

Best Power Equipments is a leading organization engaged in providing end-to-end strategic power solutions for most critical applications. BPE provides a complete suite of power management solutions including interruptible power supplies (UPS), Customized smart rack solutions and Solar Inverters. Features of 3 Phase IN-3 Phase OUT Online UPS: True On-Line Double-Conversion; DSP Technology Guarantees High Performance; Wide Input Voltage range 277 ~ 480 V AC 3-phase; IGBT based Rectifier and Inverter; Input Power Factor 0.99; Output Power Factor 0.9.



Contact:

Best Power Equipments India Private Limited

G-240, Sector-63, Dist: Gautam Buddha Nagar

Noida, Uttar Pradesh 201 307

☎ 0120 – 463 7000 • Mob: 93119 95859

E-mail: bharti@bpee.com

SS Pallets

Sterling Tools supplies a range of pallets such as Zeta Galvanized and Stainless Steel Pallet, Heavy Duty Corrugated Top Steel Pallet, Heavy Duty Tubular Top Steel Pallet, Heavy Duty Collapsible Steel Cage, Shock Absorbing Steel Pallet, Heavy Duty Stacking Steel Pallet, Heavy Duty Coil Storage Pallet, etc.

Contact:

Sterling Tools

D-190 Industrial Estate, Gokul Road

Hubli, Karnataka 580 030

Mob: 79754 44394 • E-mail: info@sterlingtoolsindia.com

PE Corrosion Resistant Fan

Eyyani Electric Machines Pvt Ltd offers PE Corrosion Resistant Fan, which is manufactured in PVC. Features include: the casing is made of Polyethylene, Impeller is of reinforced polypropylene, backward inclined, airfoil the special; facilitate the air flow through the casing with improved efficiency. PE fan is used in the chemical industry, electronics, pharmaceutical, instruments, mines, laboratories, environment protection equipment, ventilation and elimination in acidity and alkalinity and other harmful and ventilation purposes. The fan is resistant to chemical corrosion, mechanical vibration, low noise, smooth running characteristics; do not allow the transmission of gas containing viscous containing hard particles of $< 150 \text{ mg/m}^3$, dust and gas temperature, 122°F , the relative humidity is less than 100%. Fan set arrangement is with base frame.



Contact:

Eyyani Electric Machines Pvt Ltd
B-234, 5th Main, 2nd Stage, Peenya Industrial Estate
Bangalore, Karnataka 560 058
☎ 080 – 2836 4923 • Mob: 94482 03842, 87623 86315
E-mail: eyyanielectric@gmail.com

Wireless Panic Alarm

Forbix Semicon Technologies offers a wide range of Wireless Panic Alarm. The features are: a panic alarm system for residential gated communities, as can be seen in the picture. In particular, this group comprises six remote panic buttons and a receiver with a red beacon light and a 2-digit display. That is to say, the receiver console displays the calling remote number; the very instant a remote button is pressed, the receiver eventuates the code red alert. Since the receiver is accompanied by an inbuilt siren sound, as soon as a sound is alerted along with the calling number, the security can rush to the location. On this occasion, the guard needs to clear off the display indicator after attending the call. In conclusion, the solution serves as the best and most secure means for household purposes. The company specializes in electronic and wireless automation products.



Contact:

Forbix Semicon Technologies Pvt Ltd
C4, 2nd Left, Fern City Road, Outer Ring Road
Doddanekundi Marathahalli, Bengaluru, Karnataka 560 037
Mob: 97421 59846, 97423 70190
E-mail: forbix.semicon.sales4@gmail.com

Manometer Single Limb

Zoom Instruments offers Manometer Single Limb. Features are: it is used for precision measurement of pressure and differential pressure for flow and level measurement; it has adjustable scale for zero; glass tube/acrylic body; wetted part made from SS-316; the range in glass tube 0-250 MMWC to 0-1000 MMWC; range in acrylic body 0-100 MMWC to 0-500 MMWC; wall mounted/stand mounted; inclined tube manometer for precision measurement of pressure and differential pressure. The company manufactures a vast range of products with brand name Zoom.



Contact:

Zoom Instruments Manufacturing Company
25/7 MN Sen LN, Near Japan Consulate, Ashok Nagar
Tollygunge, Kolkata 700 040
☎ 033 – 2421 0572 • E-mail: zoominstru2@yahoo.com

Conveyor Roller Chain

IBK Engineers Pvt Ltd offers a wide range of Conveyor Roller Chains. The features are: TIDC Industrial Attachment Chains are manufactured to provide high performance and both wear and fatigue resistance. An attachment chain is a reliable machine component that transmits power by tensile force. They carry Symplex chain and Duplex chain in stock up to 1 inch as per customer requirements.



Contact:

IBK Engineers Pvt Ltd
B-219, 4th Cross, 1st Stage, Peenya Industrial Estate
Bengaluru, Karnataka 560 058
☎ 080 – 2632 1112 • Mob: 98805 66644
E-mail: raju.kn@ibizkart.com

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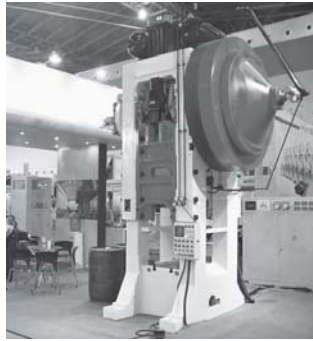
Seth Fastener Tools supplies Fastener Tooling and Machines. The Company imports and deals of Fastener Toolings like Header Punch, Threading Dies, Fastener Machines, Carbide Dies/Heading Dies; Trimming Dies; Slotting Cutters, HSS Parting Tools, KO Pins; Thread Ring Gauges and other instruments; Diamond Paste/Powder, Tungsten Rod, ND File and all other fastener tools. Fastener Machines offered are: Cold Heading machine; Threading machine; Bolt/Nut Former; Semi-Tubular Rivet machine, Washer Assembly machine, Drilling Screw machine.

Contact:

Seth Fastener Tools
320 Industrial Area, Phase 1, Chandigarh 160 002
Mob: 70873 16469, 95697 96839
E-mail: sethtradingcompanychd@gmail.com

Hot Forging Crank Press, MP Series

Marvel Machine Tools Pvt Ltd offers Hot Forging Crank Press MP Series. Special Features: It is widely used in areas of automobile, tractors, internal combustion machinery, ship, aviation, mineral machinery, petroleum machinery, hardware, tools and for forging and precise trimming of bulk ferrous and non-ferrous metals. Advantages: High precision, high utilization of material, high efficiency; Automatic operation, low noise and light vibration; Whole steel casted body more rigid than welding body, good consistency of forging jobs; Connecting rod support rigidity to withstand eccentric load; X-Type guide rail. The guide clearance remains unchanged when heated, so can assure the smaller clearance, with smaller rail inclining and high precision of forging jobs; Block inserted type friction plate easy to replace, good heat dissipation; Built-in closed height adjust equipment avoid incoming of oxide coating, mold release, etc; Expansion sheath connection without pin point convenient for disassemble.



Contact:

Marvel Machine Tools Pvt Ltd
304-306 Himalaya House, 79 Palton Road, Mumbai 400 001
☎ 022 – 2265 7481, 2265 7482
E-mail: info@marvelmachinery.com

Supply Chain Automation through Cutting-Edge Technologies

Quinta Systems a System Integrator Company focused on automating and digitizing supply chains in the verticals of Manufacturing, Logistics, and Retailing among others. With a relentless pursuit of excellence, the company builds the right solutions with relevant technology to enhance efficiency, accuracy, and overall productivity. Their products: Warehouse Management Systems (WMS) – Key features: Inward and Serialization; Put away; Picking; Dispatch and Transport Management. Inventory Management Solutions (IMS) – Key Features: Inward and labeling (Barcode/RFID); Stock update module; Multi-location management; Re-order threshold values. Manufacturing Execution System (MES) – Key Features: Real time production monitoring; Quality Control and Assurance; Workflow Optimization; Inventory and Resource Management. Other Solutions: Conveyor Scanning and Automation; Automation using AGV/AMR/FMR; Industrial PCs, Box PCs and Motherboards' Networking Products such as Routers, Switches.

Contact:

Quinta Systems Pvt Ltd
7/3 Third Floor, Jeet Dynasty, Old Madras Road
Nagavarapaliya, Bengaluru, Karnataka 560 093
☎ 080 – 4078 2700 • Mob: 89518 59103
E-mail: sales@quinta.co.in

Component Leveler

Press Room Automation offers Component Leveler for straightening of coils, strips, components, and sheets. Its Features: Proper Engineering and Design; Correct manufacturing process; Rigid frame work; Proper material selection and machined to highest dimensional accuracy; Right rollers material and right process of manufacturing; Best machine rigidity requiring no special foundation; Easy access to parts for cleaning and maintenance; Ease of parts/spares availability; Single Person handling. Standard Features: Four-high design; Manually adjustable back-up rolls; Small work rolls, hardened/ground/polished; All Straightening rolls are Powered; Integral universal geared drive; Dial gauge roll position indicator; Oil bath gear case, sealed roll bearings positive lubrication; Bolted rugged main frame in one torque resisting assembly; Main drive motor for 440 V, 3-phase, 50 cycle; Run, Jog-Reverse, Stop controls, Fusible disconnect; Automatic central lubrication of work roll bearings; Adjustable side guide; Straightening accuracy ± 0.01 to 0.05 is achieved; Depending on input component conditions, Raw material and hardness, roll setting, thickness variation of components; Straightening roll diameter from 8 mm to 200 mm to cover a wide range of jobs; Application of parts Leveling: Control panels; Furniture panels; Saw blade blanks; Clutch plates; Brake plates; CNC Turret punch parts.



Contact:

Press Room Automation And Feed Fixtures (India) Pvt Ltd
C-9 Anand Nagar, MIDC, Addl Ambernath Indl Area
Ambarnath (East), Dist: Thane, Maharashtra 421 506
Telefax: 022 – 25471016/2547 2029 • Mob: 80486 03129
E-mail: info@pressroomautomation.net

High Precision Gears

Pragati Transmission an ISO 9001: 2008 company, and a leading manufacturer of high precision gears for machine tools, power tools, automobiles, gearboxes, aerospace, compressors, blowers, oil pumps, starter motors, etc., spiral bevel gears. Products range is: Spur gears, Helical gears, Ground gears, Skived gears, Spiral bevel gears, starter motor shaft, etc. The company also offers CNC gear grinding, CNC gear testing and CNC hob sharpening services.

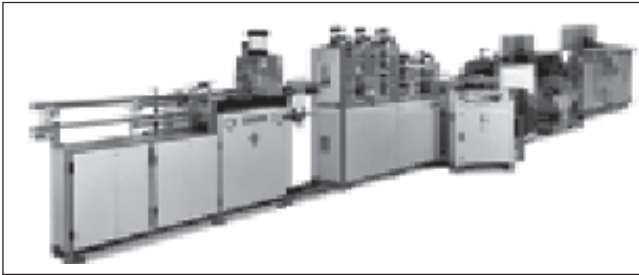


Contact:

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☎ 080 – 2836 5364 • Fax: 080 – 2836 5352 • Mob: 93412 15974
E-mail: kadam@pragatigears.com

Edge Protector Making Plant

K U Sodalamuthu And Co Pvt Ltd, an ISO 9001: 2008 Company, offers Sodaltch Edge Protector Making Plant is made heavy duty to produce high strength paper edge protec-



tors and 'U' Profile channels which are very ideal to prevent damages to edges of various palletized goods and circular goods like paper reels, steel coils etc. The machine is rugged, yet easy to use. It has facility to interchange profile design and variable speed drive for faster setting and control of process wastage. The future of packaging lies in the recyclability of most of the packaging materials. Edge protector is an environment-friendly product using strong paper board which is easily recycled. The use of edge protectors eliminates the damage to edges and corners in handling, warehousing and transport operations.

Contact:

K U Sodalamuthu And Co Pvt Ltd
428 Mettupalayam Road, Coimbatore, Tamil Nadu 641 043
☎ 244 1223 • E-mail: sales@sodaltch.net

Incremental Optical Scale for Large Machines, GVS 900

Givi Misure Pvt Ltd offers GVS 900 Incremental Optical Scale for Large Machines. Its features: Incremental optical scale, available in a single piece or in modular version for large machines (up to 30040 mm of measuring length



or higher on request). Application in various industries fields such as machine tools, vertical lathes, gantry machines, laser/plasma cutting machines, robotics, automation, etc. Stainless steel grating, intercal with the machine guide, for an excellent accuracy at any temperature. Resolutions up to 0.1 μm , Accuracy grade 5 μm . Rigidly bound modules for a perfect seal against liquids and environmental dirty, unaltered over time.

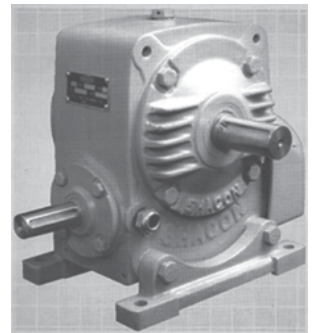
Contact:

Givi Misure Pvt Ltd
VITC Export Bhavan, 1st Block, Plot No: 488
KIADB Complex, 14th Cross, IV Phase, Peenya Indl Area
Bengaluru, Karnataka 560 058
☎ 080 – 4127 2559 Mob: 99000 28662/99000 28663
E-mail: info@givimisureindia.com

Worm Reduction Gear Box

Shacon's worm reduction gear boxes incorporate advanced designs and are manufactured by specialized techniques. Standardised sizes developed facilitate interchangeability

of gear boxes and spares. Features: Design – Gear boxes incorporate worm gearing that conforms to National/International standards. Derived from Company's experience and based on the development efforts of their engineers, valuable modifications have been incorporated to obtain rugged, silent, efficient and long last-



ing gearing. Generously sized bearings and shafts sustain external loads and increased life of gear boxes. Box type gear case with ribs used in Shacon gear boxes have proved to be capable of handling heavy duty loads and highly efficient to radiate heat thus increasing power transmitting capacity of the gear box. Worm Shaft: selected steel is used for worm shafts for increased strength and life. Precision machined involute thread form used make gearing more efficient and silent running. Worm wheel: smaller worm wheels are of single piece construction and made out of chilled cast high grade phosphor bronze. Larger size worm wheels are made out of centrifugally cast high grade phosphor bronze rims shrink fitted on CI center and positively secured by special pegs. Finely distributed and refined grains of bronze matrix give high impact strength, reduce friction and subsequent heating and increase life of gearing. Worm wheel teeth profiles are generated by specially developed Hobbing and Reaming cutters to obtain true conjugate action between worm thread and worm wheel teeth thus ensuring high load carrying capacity, silent running and efficient power transmission. Each and every worm wheel is inspected on a specially developed gear checker to ensure adherence of quality standards and interchangeability between any worm and wheel of that size and ratio. Specialized assembly methods used to obtain optimum tooth bearing contacts and proper bearing per-loads for actual conditions of the gear boxes when in service. Output Shaft: this is made out of quality plain carbon steel and precision machined. Rationalised metric sizes of shaft extensions are available as standard. Gear case: it is made out of fine quality cast iron and accurately machined with the help of jigs and fixtures to ensure accuracies of important parameters ease of maintenance and interchangeability of spares. Bearings: Generously sized dual purpose bearings are used to sustain gearing and external shaft loads for longer life. Lubrication: Gear boxes have built-in splash lubrication system.

Contact:

Shacon Engineering Co
14 Veena Dalvai Industrial Estate
S V Road, Oshiwara
Jogeshwari (W), Mumbai 400 102
☎ 022 – 2678 1566 • E-mail: shaconeng@gmail.com

Timing Belt Drives

Kwedos' Timing Belt Drives Systems are especially suitable for application where high efficiencies, constant angular velocity, Synchronization, fixed center, low operating tension and freedom from maintenance are important design parameters. Timing Belt are basically flat belt with a series of evenly spaced on the inside circumstances, there by combining the advantage of the flat belt with the positive grip feature of chain and gears drives. The tension members helically wound cable is embedded in neoprene or polyurethane which gives enormous strength, excellent flex life and high resistance to elongation. Moulded integrally neoprene tooth are precisely formed and accurately spaced. The tough, wear resistant fabric nylon facing covers the belts wearing surfaces. Advantages are: Timer belt drives are positive grip devices. There is no chordal rise or fall of pitch line, no slippage and no belt creeps. This belt require no lubrication because there is no metal to metal contact and the noise level is low in normal speed range. Small pitch belt can transmit positive motion while operating at high speed. Power capacity of Timer belt drive ranges from sub-fractional to approximately 800 HP. Special functions, Many Timer belts drives are used for functional rather than power transmission application. Because they travel with predictable positive, nonslip, precision, designers have created a variety of devices. As example, angular drive, triangular drive, square drive, deflection drive, multi shaft drive, reversing drive, conveyor belt drive etc. Also tubing cut-off system, fabricating cartons, elevator conveyor for ball bearing, drive track for snow mobile etc.

Contact:

TRP Kwedos Belt Drives

B-2, Alaukik Flats, Nr: Dwarkesh Tower

Judges Bunglows Road, Bodakdev

Ahmedabad, Gujarat 380 015

Telefax: 079 – 2687 0311 • Mob: 99251 11749

E-mail: sales@kwedos.com / info@kwedos.in



Rubber & Plastics Packaging Products

UD Pharma Rubber Products manufactures Rubber and Plastic Products for Pharmaceutical industry. The company's products range includes: Dropper Assembly in different types, sizes and colours and as per customers specific requirements; Rubber Teats; Rubber Stoppers; Diagnostics Packaging products; Measuring Cups; Plastic bottles; Plastic Caps; Plastic Containers, etc.

Contact:

UD Pharma Rubber Products

Plot No: R-58/1, TTC Industrial Area, MIDC

Rabale, Thane Belapur Road, Navi Mumbai 400 701

☎ 022 – 2769 6262 • Mob: 98211 99941

E-mail: info@udpharmaproducts.com

Accelerating Design with Solutions

Success in manufacturing is determined by the fact that how much less time we will take to deliver our product to our customer. Coupled with the lower rejection and field failures will help the company to gain major market share. In this context, Kadkraft Systems Pvt Ltd a 30 year old company provides globally proven solution to help the Indian industries to succeed in the market. Leading companies like Shanthi Gears, Premium Transmission, Kirloskar, Elecon, Vulcan, Tata Motors, Daimler, Mahindra, Bajaj Auto and many other have been using KISSsoft and KISSsys successfully for past several years. KISSsoft



- India's most popular gearbox design software from Switzerland is being widely used by leading automotive and industrial gearbox companies. KISSsoft covers all common gear types, shafts, bearings, shaft-hub connections, bolts, springs etc. It is used for the analysis of a single element and to design complex transmissions and drive trains. The software does the geometry and strength calculation based on ISO/DIN/AGMA and other standards for the machine elements. The software can help you to increase torque carrying capacity at minimal costs, selection of the right bearing, micro-geometry modifications and export of accurate 3D gear models for rapid prototyping and 3D printing. 3D scanner is the latest industry trend used for reverse engineering and quality inspection. SMARTTECH3D offers world's highest resolution colour and mono scanners of 24 Mpixel and 20-20 Mpixel stereo scanners respectively. High resolution scan can capture minute details for detailed scanning for reverse engineering and quality inspection. It works with software like Measure, Polyworks and Verisurf. The scanners have some unique features including projection of deviation map on the part, 300 kg part automated rotary table, etc. The scanners are VDI 2634 certified to guarantee the scanning accuracy. It can scan with different Field of View with accuracy of 10 and 17 microns. Leading companies like GE, Volvo, Bosch, Adidas, US Army, Boeing and NASA etc. are using SMARTTECH scanners to design their products.

Contact:

Kadkraft Systems Pvt Ltd

D-133B, Phase 7, Industrial Area, Mohali, Punjab 160 055

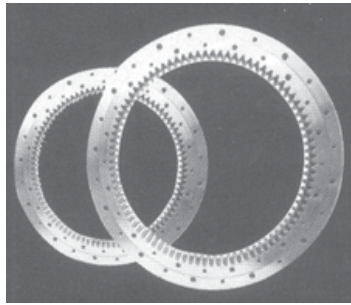
Mob: 98143 62601, 98140 21311

E-mail: contact@kadkraft.com

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at ₹550/- for 2-year.**

Slewing Bearings

Apex Precision Mechatronix offers a solution for middle size and heavy-duty slewing bearings. Renogear is part of the Xubi Group of Spain, a worldwide leader and a reference in mechanical transmission components. Renogear meets the highest quality demands and is, therefore, able to meet the current customer demands. Renogear produces slewing bearings up to 4.500 mm external diameter. Renogear offers a complete range of slewing bearings customized and adapted to the demands of the customer: single row ball bearing; double row ball bearings; cross roller bearings; three row roller bearings; and roller ball bearings. The gear teeth can be external and internal, both helix and straight. Renogear offers slewing bearings for many applications such as wind generators heavy-duty machinery, mining equipment, cranes or machine tools, among others.



Contact:

Apex Precision Mechatronix Pvt Ltd
303-308 Krishna Bhuvan Annexe
22-B Govandi Station Road, Deonar, Mumbai 400 088
☎ 022 – 6146 4444 • Fax: 022 – 2556 4987
E-mail: sales@apexprecision.co.in

Intelligent Auto-Focus Cutting Head for 4 kW & 6 kW: MCH-6A

Mehta Cad Cam Systems Pvt Ltd offers Intelligent Auto-Focus Cutting Head for 4 kW and 6 kW: MCH-6A. Features: Suitable for QBH/OD connector; Enjoy high speed of auto focusing via collimation with servo motor; Strict dust-proof design with three protection windows; Separate drawer of focus protection window is convenient for maintenance and replacement; All optics temperature monitor; air leakage monitor; protection window in place monitor; Real-time feedbacks of processing states will be uploaded to mobile APP as well as PC, and alarm can be released immediately; Processing states can be shared on WeChat, QQ, OS-Cutting.



Contact:

Mehta CAD CAM Systems Pvt Ltd
Plot No: 3, Road No: 1, Kathwada GIDC
Ahmedabad, Gujarat 382 430
☎ 079 – 2684 0551, 2684 0553
E-mail: mktg@mehtaindia.com

Rotary Gear Pump, Type HGSX

The Rotodel gear pump Type HGSX is all SS-316 self-priming bi-directional positive displacement rotary pump, fitted with Teflon coated dry running DU bush bearings. Three piece design makes the pump easy cleanable, easy maintainable simply by removing four dom nuts on back cover. Mechanical seal is optional for Teflon gland packing. The mounting bracket converts the pump to foot mounting and facilitates to align the pump with electric motor of appropriate ratings on base plate at same frame height. All sizes of HGSX pumps are designed to run at 1440 RPM up to viscosity of 500 CST, however small size pump up to 1" can be run at 1440 RPM safely, even at higher viscosity up to 1000 CST but with additional horse power, for higher sizes reduce the speed to 960 RPM. This compact and efficient SS pump finds different applications for handling food products like ghee, butter fruit pulp, vegetable souse, kanji, etc. They are also used in pharmaceutical application for handling sugar solution, glycerin, glycol etc.

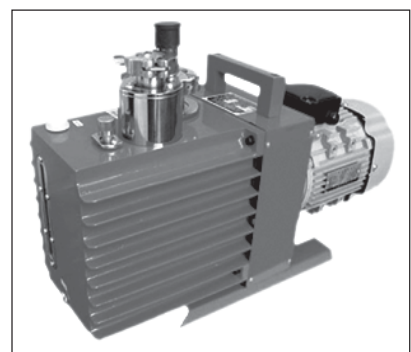


Contact:

Del Pd Pumps & Gears (P) Ltd
113 GIDC Estate, Wadhwan, Surendranagar, Gujarat 363 035
☎ 02752 – 243 047, 243 678 • Fax: 02752 – 243 744
E-mail: rotodel_adl@sancharnet.in

Direct Drive Pump

Over three decades of expertise in vacuum technology, Toshniwal Instruments (Madras) offers customized solutions ranging from individual products to a complete system. Toshniwal's Direct Drive high Vacuum Pu-mp, the 72-D Series double stage model is with ultimate vacuum. This vacuum pump is compact, since it is directly mounted on motor flange. The pump has pumping speeds and high water vapour tolerance. The Oil consumption is extremely low and air cooled. 72-D Series pump offers improvement in the areas of quieter operation, smaller size and easy maintenance. Range: 120 litre - 1000 litre/minute. Features include: Portable; highly reliable; Low noise operation; Double Stage pump; Compact and Sturdy design; Advanced lubricating system; Easy maintenance and usage.

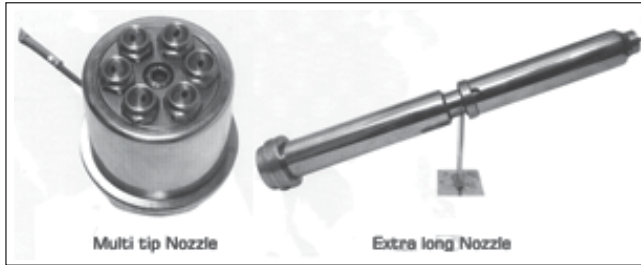


Contact:

Toshniwal Instruments (Madras) Pvt Ltd
267 Kilpauk Garden Road, Chennai 600 010
☎ 044 – 2644 5626, 2644 8983
E-mail: sales@toshniwal.net

Hot Tip Nozzle

Libesh Engineering offers High Thermal conductivity hot dip nozzles that are used in hot runners for easy filling by reducing pressure to maintain consistency in moulding. Various types of hot tip nozzles are available for various



applications. Hot sprue is used for single cavity mould and hot tip nozzles are used for multiple cavity mould and shot weight up to 2 kg. Generally two types of nozzles are available such as Open Gate nozzles and Torpedo Gate nozzles are applicable where maximum gate finishing is required. Both nozzles are useful for runner gates like Edge gate, Fan gate, Ring Gate, Sprue Gate and Sub Gate, Nozzle length up to 600 mm and diameter of up to 32 mm are available.

Contact:

Libesh Engineering

109-A, First Floor, C-Wing, Gokul Indl Est, Plot No: 150

Saug Baug, Marol, Andheri (E), Mumbai 400 059

☎ 022 – 2850 1879, 2580 1491 • E-mail: info@libeshengg.com

Optical Systems

Photon Controls offers a wide range of Optical Systems. Features: it is used for atomisation of process. The unit consists of transmitter, receiver and control unit. The range can be up to 5 to 10 metres. Any object passing through transmitter and receiver arrangement can be detected; the control unit has facility of sensitivity adjustment with which the sensitivity for transparent or opaque object can be set; the relay's T1 and T2 are also provided on control unit eliminating requirement of external timers. The unit is available in supply 24 V DC/ 110 V AC/ 230 V AC, and output is relay change over with contacts rated for 5 A at 230 V AC. The sensors can be housed in the required size and shape as required. The company is engaged in manufacturing of photoelectric switches and sensors from past seven years.



Contact:

Photon Controls (India) Private Limited

C-10/1, Gala No: 54, 2nd Floor, A Road, NICE

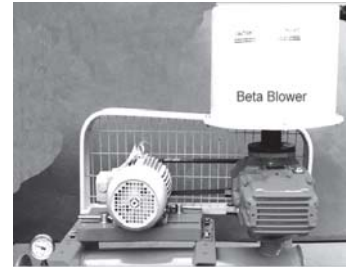
MIDC, Satpur, Nashik, Maharashtra 422 007

☎ 0253 – 2355 498 • Mob: 93739 07348

E-mail: photoncontrol@gmail.com

Twin-Lobe Compressors/Blowers

Beta Maschinenfabrik (P) Ltd provides a complete range of blowers having flow rate ranging from 10 m³/hr to 15000 m³/hr for working pressure up to 1 kg/cm² (10,000 mmwc) in pressure applications and up to 0.5 kg/cm² (5000 mmwc) in Vacuum applications. Working Principle: Twin-Lobe Compressors/Blowers are positive displacement units, whose pumping capacity is determined by size, operating speed and pressure conditions. It employs two Two-lobe (8 Shaped) impellers mounted on parallel shafts, rotating in opposite directions within a casing closed at the ends by side plates. Impellers rotation allows air into one side of the casing and forced out of the opposite side against the existing pressures. The differential pressure developed, therefore, depends upon the resistance of the connected system. The Blowers, being positive displacement type, do not develop pressure within the casing but the discharge pressure depends upon the system resistance/back pressure. A pair of accurately machined alloy steel, hardened and ground timing gears maintain clearances between the impellers, during rotation. The air, thus delivered, is 100% Oil Free. Features: Superior product quality and robust design; 100% oil free air delivery; Anti Friction bearings are used in every blower; Precision ground and hardened steel gears are used to ensure smooth, silent running and accurate timing of the rotating impellers; Suitable for handling air/gas; Dynamically balanced rotors as per ISO 1940/1, Gr. 6.3 to ensure vibration free operation; All machines are thoroughly tested for performance parameters as per BS-1571-Part-2 prior to dispatch; Improved volumetric efficiency and reduced operating temperature; Beta blowers have large shaft diameter which keeps drive stresses low enabling increased operating pressures to be achieved without increasing blower size; and Both side oil splash lubrication. Applications – Chemical: Vacuum Processing and Conveying; STP, ETP and WTP aeration process; Silo Fluidization; Gas Boosting; Air Knife application in galvanizing plants; Centralized Vacuum cleaning systems; Dairy: Automated Milking; Environmental Services: Sewer Cleaning and Portable; Cement and Lime: Fluidization and Conveying; Resin and Plastic: Processing and Conveying; Process Gas: Gas Boosting; Soil Remediation: Vacuum Extraction and Sparging; Industrial: Material Vacuuming; Milling and Baking; Blending and Conveying; Dry Bulk Hauling; Trailer Unloading and Aeration; Power Generation: Fly Ash Conveying and Aeration; Pulp and Paper: Chip Conveying and Process Vacuum; Oil and Gas: Gas Collection and Sparging; Aquaculture: Aeration.



Contact:

Beta Maschinenfabrik (P) Ltd

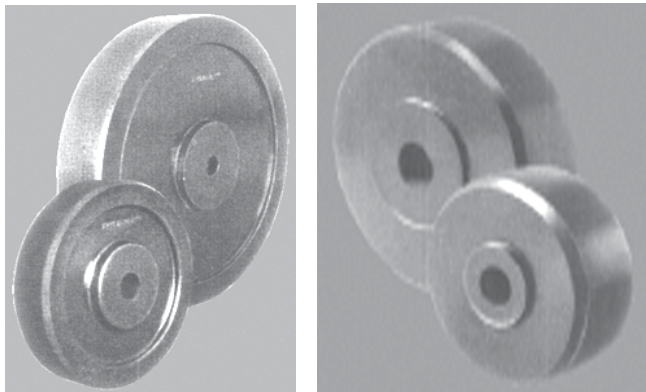
D-29, Site-B, UPSIDC Industrial Area, Surajpur

Greater Noida, Uttar Pradesh 201 306

Mob: 88269 95792, 95554 64777 • E-mail: info@betablowers.in

UHMW-PE Wheels

Solid Wheels Industries, an ISO 9001:2008 Certified Company as well as D&B Certified, is the world's largest manufacturer of premium quality UHMWPE moulded wheels. These wheels are manufactured from ultra-high molecular weight polyethylene material. The wheels



have very high load carrying capacity, high impact strength and high wear resistance hence it does not crack under shock of impact load as it happens in nylon or fiber wheels. The material has got very low coefficient of friction, hence pulling or pushing efforts required less; and does not have effect of chemicals and acids. It is not hard like iron hence these wheels does not damage the floor. These wheels are moulded under controlled temperature and pressure in accurately formed close fitting moulds for unique strength and toughness, and are made by compression moulding process. Solid Wheels Industries with latest technology, in-house mold manufacturing facilities, make the company a unique organization with competitive edge manufacturing of large scale cost effective and quality products.

Contact:

Solid Wheels Industries
57/B1, 2, 11-13 Panchratna Industrial Estate
Sarkhej-Bavla Road, Changodar
Dist: Ahmedabad, Gujarat 382 213
Mob: 98250 63805, 98250 08366
E-mail: info@solidwheels.com

PVC Stabilizers

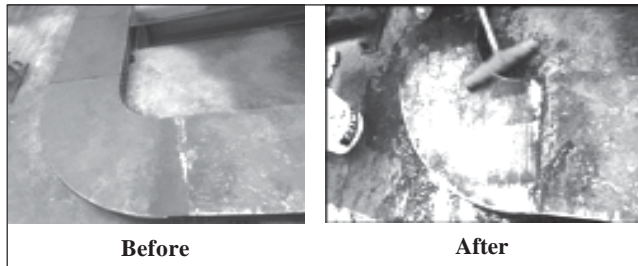
Sunflag Group manufactures PVC Stabilizers, which are manufactured to highest quality standards available and conform to international standards. Purity of metal and high activity of the products is the advantage. These stabilizers are used in all kinds of PVC processing like pipes, cables, footwear, profiles, furniture and components.

Contact:

Sunflag Group
102 Himland House, Ranjit Nagar Commercial Complex
New Delhi 110 007
Telefax: 011 – 2570 4081 Mob: 98110 18942
E-mail: sunflag102@yahoo.com

Industrial Cleaning Solution

Steel Plant Specialities offers O-CLEAN3, a water-based solution for cleaning surfaces contaminated with oil, grease and lubricants. It is very useful for cleaning industrial floors, chequered plates, oily metal burr from trays,



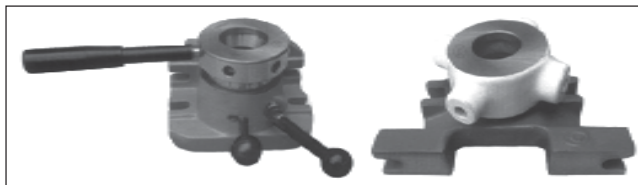
etc. It can be used for completely dissolving and cleaning oil from shop floors, machinery and workmen's oily hands. O-CLEAN3 has proven to be much more effective, economical and human-friendly as compared with cheap detergent, kerosene or acids. For first use, to remove solid layer of oil and dust from shop floor/machinery accumulated over many years, the product may be used directly. For subsequent regular use to maintain oil-free floor and machinery, the product may be diluted in water from 1:5 to 1:15 ratio, as found suitable. Benefits of using oil cleaning solutions of Steel Plant Specialities: Removes solid layer of oil and dust settled on floor for many months; Manpower and time for cleaning is substantially reduced; Removes oil and dirt from machinery, without affecting paint finish; and completely cleans off oil from workmen's oily hands without causing dryness, burning or peeling of hands. It comes in packing of 210 ltrs drum/20 ltrs containers; and its shelf life is 12 months in factory sealed condition.

Contact:

Steel Plant Specialities
211 Raikar Chambers, Deonar Village Road
Deonar, Govandi East, Mumbai 400 088
☎ 022 – 6797 8060 • Mob: 098204 93373
E-mail: info@steelplantspecialities.com

Indexing Fixture

Ramm Precision Products (P) Ltd manufactures Indexing Fixture, which is a collet fixture with 12 equal dividing facilities. It can be used vertically and horizontally. Collets



can be used in this fixture. A simple lever operating mechanism is provided for indexing. The company also offers collets, feed fingers, milling adapters, etc.

Contact:

Ramm Precision Products (P) Ltd
142 Nava India Rd, Peelamedu, Coimbatore, Tamil Nadu 641 004
☎ 0422 – 256 6489, 256 3495 • E-mail: sales@rmcollet.com

Airless I-Type Monorail Hanger Shot Blasting Machine

Surface Finishing Equipment Company offers Airless I-Type Monorail Hanger Shot Blasting Machine, which consists of I-Type conveyor system to hold the components. The components to be shot blasted are placed on these hangers and moved inside the blast chamber for blasting purpose automatically. Eight Blast wheel stations are located strategically around the cabinet fires abrasives on hanger that contain components. The components are shot blasted homogeneously all around. After the blast cleaning cycle is over, the blast wheel is shutoff and trolley moves out automatically for unloading of components and the process is repeated. The spent abrasives from the blasting operation pass through the perforated floor plates and gravitate down the cabinet hopper into a screw conveyor. The abrasive is then transferred to the boot of Bucket Elevator. The Bucket elevator carry the abrasive vertically and discharge the same into a sieving hopper where dust and fine abrasives are air cleaned ensuring that only clean abrasive is collected in the storage hopper for recirculation purpose. At outlet vestibule two High pressure blows off system is installed to remove stagnated shots lying on the upper side of structure. A RPJ Type Dust Collector Unit efficiently exhausts the cabinet to remove dust.

Contact:

Surface Finishing Equipment Company
E-100, MIA, Phase-II, Basni, Jodhpur, Rajasthan 342 005
☎ 0291 – 274 0128 • Mob: 98290 22624
E-mail: sfecjodhpur@gmail.com



Material Handling Products

Rabi Industries offers a range of Material Handling Products such as Polyester Slings (Webbing and Round); Ratchet and Cargo Lashings; Wire Rope and Wire Rope Slings; Chain and Chain Slings; Chain and Wire Ropes, Multiple Slings; Chain Pulley Block and Ratchet Lever Hoists; Turn Buckles; Wire Rope Thimble and Clamps; D & Bow Shackles; Eye Hooks, Snap Hooks and Eye Bolts; Horizontal and Vertical Plate Lifting Clamps; Connecting Links, O-Ring Assembly Rings, and Oblong Rings; All types of Lifting Tackles; Multi Steel Plate Lifting Clamps, etc.

Contact:

Rabi Industries
109, Second Floor, New Modella Co-op Premises Soc Ltd
Padwal Nagar, Wagale Estate, Thane (W) 400 604
☎ 022 – 2582 5088 • Mob: 93237 97008
E-mail: rabi_248@rediffmail.com



Mobile Type Bulk Reception Radial Truck Unloader

Prime Conveyors offers Mobile Type Bulk Reception Radial Truck Unloader, which offers mobility and flexibility for a complete range industries and applications, includ-



ing mobile truck unloading, reclaiming, rail wagon loading/unloading, barge loading/unloading, truck loading, with the ability to handle complete range of materials such as coal, grains, fertilizers, ores (iron, copper, gold, bauxite), aggregate, woodchips, wood pellets, sulphur, cement clinker, etc. Features and benefits: Power source options: Diesel/hydraulic, Dual Powerful 140o radial discharge conveyor with choice of conveyor lengths; Belt weight scales; Hydraulic extended hopper wings; Option of steel or rubber tracks; Wrap-around pull cord; Vibrating motor for sticky material; Belt options: Chevron, Heavy Duty; Various feed boot liners; hardox, various rubber plys; Full, ½ and quarter length rubber conveyor skirting available. Applications: Loading a barge with grain direct from a road truck; Loading a barge direct from a road truck, and wheel loader; Feeding a radial telescopic ship loader loading a Handy-max vessel; Feeding a Radial Telescopic ship loading from road trucks; Fed from grab crane in barge-unloading application; Feeding Radial Telescopic, stockpiling in warehouse from trucks (Ship unloading); Stockpiling material from pay-loaders in a stockyard; Stockpiling coal from wheel loader in a stockyard (dust covers); Reclaiming coal in a Power station; Reclaiming iron ore in a steel mill with CAT 988 Wheel loader; Rail Car/Wagon loading directly from trucks 13 Unloading from Rail Car/Wagon.

Contact:

Prime Conveyors
20 Near Codea Industrial Estate, Sathyamangalam Road
Kurumbapalayam, Coimbatore, Tamil Nadu 641 107
Mob: 96777 37122, 98422 37122
E-mail: sales@primeconveyors.com

Boiler Tube Removal Solution

Subzero Tube Tools Pvt Ltd offers Boiler Tube Removal solution. Feature: No Drum damage, no repair, Fast safe simple clean, Safer job, Reduce Downtime, Skill Independent, No Heat Exhaustion, Radiant Heat or Noise.

Contact:

Subzero Tube Tools Pvt Ltd
Plot No: D-8, Indian Industrial Distributor Premises
Road No: 32, Bhavani Nagar, Wagale Industrial Estate
Thane, Maharashtra 400 604
Mob: 93241 50671, 93249 33005
E-mail: sales@tubetools.co.in

Bristle Blaster

Blastline India Private Limited supplies Bristle Blaster, which is an innovative surface preparation and maintenance solution that removes corrosion and generates anchor profile. This hand held power tool is ideal for spot repairs and tough-up work. Advantages: Removes corrosion, coatings, mill scale – without removing healthy material; Abrasive-free process – no additional waste production; Visual cleanliness achieved by grit blasting (SA 2-1/2" near white metal); Generates anchor profile ranging from 2.5 to 3.3 mil.; ATEX approval for Zone 1 for Bristle Blaster Pneumatic; No need for containment, no reprocessing or disposal of used grit media. The bristle tips strike the surface, with kinetic energy, resulting in both corrosion removal and micro-indentation in the surface. Other products from Blastline are: Bristle Blaster Pneumatic and Single Belt; Bristle Blaster Electric Single Belt; Packaging and Accessories - Bristle Blaster Box, Stainless Steel Belt available in 23 and 11 mm; Carbon Steel Belt in 23 and 11 mm.



Contact:

Blastline India Private Limited
Blastline Corporate Chambers, Pottakuzhy
Elamakkara PO, Kochi, Kerala 680 026
☎ 0484 – 253 7375 • Mob: 95620 11088
E-mail: info@blastlineindia.com

Round Drag Chains

Kumbhojkar Plastic Moulders a trusted name in Engineering Plastics is winner of many Prestigious Awards for its Design Registered Products. In the existing range of Round Drag Chains two new sizes with 200 mm bending radius have been introduced viz. RDC-200 x 56 and RDC-225 x 56 where inner height is 56 mm. The models can be opened on both sides by removing the Hinged type Width Links. Also side pads are there on chain in case of side to side installation. The drag chain is designed, developed and manufactured by the Company in Pune. The individual links can be easily press fitted with hand as per the length requirement. The Chain is available with Metal End Clamps for mounting and is available Ex-stock.



Contact:

Kumbhojkar Plastic Moulders
129 Narayan Peth, Pune, Maharashtra 411 030
☎ 020 – 2445 0055 • Fax: 020 – 2448 0544
E-mail: mktg@kumbhojkarplastics.com

Traversing Head Cross Cutting Plate Saws

Viswa Engineering Traders offers Traversing Head Cross Cutting Plate Saws. Features: full stroke hydraulic front and rear vises enable clamping and unclamping from the control station with touch of a button; both front and rear vises are shuttle vises, allowing for easy loading, positioning and unloading from either side of the roller work bed; these products features are 7.5 hp motor; 41mm (2") blade; positive feed saw frame driven by hydraulic cylinder; inverter controlled blade speed; high precision worm gearbox; variable feed rate & pressure control valve; hydraulic powered wire brush system with adjustable speed; full stroke hydraulic front & rear vises roller work bed. The company is a one stop shop offering complete solutions when it comes to metal cutting; its extensive range includes metal cutting bandsaws, high speed circular saws, bi-metal bandsaw blades, circular saw blade, hacksaw blades and coolants.



Contact:

Viswa Engineering Traders
50 Dr Nanjappa Road, 1st Floor, Raja Street
Coimbatore Junction, Coimbatore, Tamil Nadu 641 018
☎ 0422 – 230 3580 • 98422 70777
E-mail: viswatools@rediffmail.com

Expander Sealing Plugs

Iyappan Expander sealing plug consists of ball and sleeve. The sleeve is inserted in the bore of base metal. When the ball is pressed into the sleeve, the sleeve which has serration on the outer surface will dig into the base metal to provide a secure anchorage. Features: Working pressure range 300 bar/4350 PSI; Product range: 4 mm dia to 22 mm dia; Stainless Steel construction for corrosion-resistant application; Quick and easy installation; Complete mechanical sealing through anchorage with base material; Expander sealing plug is used to provide leak proof sealing of drilled holes in fluid power components. Applications: Iyappan Expanders are extensively used in hydraulic components. Also used in Hydraulic Control Systems; Pneumatic Control Systems; Hydraulic Pumps and Motors; Hydraulic Cylinders; Hydraulic Valves; and Power Transmission Components.



Contact:

Iyappan Engineering Industries Pvt Limited
107/A, SIDCO Industrial Estate, Ambattur, Chennai 600 098
☎ 044 – 2625 2073, 2625 2173 • E-mail: iyappan@airtelmail.in

Airless Y-Type Conveyor Shot Blasting Machine

Surface Finishing Equipment Company's this machine consists of Y-Type conveyor system, which consists of two motorized trolleys with Electric Hoist to hold the components. The components to be shot blasted is loaded on the hangers and this hanger is placed on hook of electric Hoist and one by one taken inside the blast chamber for blasting purpose. Four blast wheel stations are located strategically around the cabinet fires abrasives on rotating hanger that contain components. The components are shot blasted homogeneously all around. After the blast cleaning cycle is over, the blast wheel is shutoff and trolley moved out manually for unloading of component and simultaneously another trolley on the Y-track travels inside the cabinet for blasting purpose. The spent abrasives from the blasting operation pass through the perforated floor plates and gravitate down the cabinet hopper into a screw conveyor. The abrasive is then transferred to the boot of Bucket Elevator. The Bucket elevator carries the abrasive vertically and discharges the same into a sieving hopper where dust and fine abrasives are air cleaned ensuring that only clean abrasive is collected in the storage hopper for recirculation purpose. A Fabric Bag Type Dust Collector Unit efficiently exhausts the cabinet to remove dust.



Contact:

Surface Finishing Equipment Company
E-100, MIA, Phase-II, Basni, Jodhpur, Rajasthan 342 005
☎ 0291 – 274 0259 • Mob: 98290 22624
E-mail: surfacefinishing@yahoo.com

Single Phase Motor

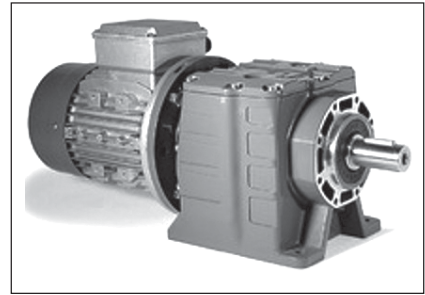
Stark Motors, an ISO 9001 Company supplies a range of energy efficient and power savings motors. Features of Single phase motor (0.18 kW to 2.2 kW, 1440/2880 RPM, 50/60 cycles): Design and performance as per IS 996; Totally enclosed fan cooled type; 180-240 Volts 50 Hz power supply; Class F insulation; IP44/IP55 Protection; Vacuum Impregnated, stators with an additional moisture proof coating; Pressure Die Cast Aluminium Rotors; Dynamically balanced for vibration-free operation; Double shield SKF ball bearings, factory lubricated for long service; High quality centrifugal switches; and Special film wound capacitors. The Company is a leading manufacturer of single phase motors, NEMA standard motors, vibrator motors and motors suitable for variable frequency drives.

Contact:

Stark Motors
96 Sitra Road, Kalappatti, Coimbatore, Tamil Nadu 641 048
☎ 0422 – 427 4969 • Mob: 98430 14612
E-mail: satish@starkmotors.com

Helical Speed Reducer

MGM-VARVEL Power Transmission offers Helical Speed Reducer. The features are: these helical speed reducers are made using best quality raw material that is sourced from reliable vendors of the industries who hold vast expertise in their domain; these helical speed reducers are highly effective and are efficient; its features include: dimensionally accurate; sturdy construction; efficient working; leading applications: general purpose, medium and fractional power drives. Design: 7 sizes; housings and covers of aluminium die-cast up to size 4; cast iron from size 5, two and three gear trains. The company, founded in 2011, engages as a provider of three-phase asynchronous brake motors, one-stage helical gearboxes, bevel helical gearboxes, planetary speed reducers, worm speed reducers, etc.



Contact:

MGM-VARVEL Power Transmission Pvt. Ltd.
S.No. 308/43, PLOT No. 6, VGP Industrial Complex
Taluk, Chettipedu, Sriperumbudur, Tamil Nadu 602 105
☎ 044 – 6568 1815, 6462 7008
Mob: 87544 70747 • E-mail: info@mgmvarvelindia.com

Ceramics for Molten Metal Handling Applications, CUMITHERM

Carborundum Universal offers CUMITHERM ceramics for molten metal handling applications. It is ideally suited for non-ferrous cast-houses and foundries due to its extraordinary properties of high thermal shock resistance, low thermal conductivity and non-wettability to most non-ferrous molten metal. These properties are achieved by combining high purity alumina and Titania in a precision controlled reaction sintered process to engineer a micro-porous microstructure. Applications: Feeders/Risers/Stalk for low pressure die casting; Dosing tubes; Sprue/Gate bushes, Cups and Connectors; Casting spouts, flow rods, retainer rings; Nozzles, crucibles; Tap hole plugs and rings; Customised special components; Launderers; Induction heating.



Contact:

Carborundum Universal Limited
Industrial Ceramics Div, #47, 48 (Part) SIPCOT Indl Complex
Hosur, Tamil Nadu 635 126
☎ 04344 – 30 4700, 30 4713
E-mail: customercare@cumi.murugappa.com



EXHIBITIONS • FAIRS • SEMINARS

INTEC 2024



INTEC 2024 – An International Machine Tools and Industrial Trade fair organized by CODISSIA, announces the arrival of its 20th edition. The fair is scheduled to happen from 6th to 10th June 2024 at the CODISSIA Trade Fair Complex, Coimbatore, Tamil Nadu.

INTEC is the most sought after event for many companies which have participated without a break over the years. It is worth noting that the 20th edition of this event coincides with the Silver Jubilee year CODISSIA Trade Fair Complex, making it more special and momentous.

Unlike other fairs, being organized by a set of captive and potential buyers, INTEC is the only engineering fair in India in which the sellers get to meet the buying decision makers right away.

In addition, the industries of this region are ever willing to adapt to new technology, which encourages the technology solution providers to participate in INTEC and ever customized solutions to the industries CODISSIA has taken the lead role of bringing together the latest technological developments from all around the globe for ultimate benefit to the Indian Industries and particularly the MSMEs.

About CODISSIA Trade Fair Complex:

CODISSIA Trade Fair Complex was built to create infrastructural facilities needed for conducting Trade Fairs, Industrial Exhibitions, Buyer-Seller Meets, Seminars, Conferences, Workshops and such other activities needed for the growth of the regional economy.

Built adjacent to the Coimbatore International Airport, CODISSIA Trade Fair Complex, boasts of more than 20,000 Sq Mt of covered Pillar-free space with heavy-duty flooring and provisions for concealed and underground

cabling and with many other state-of-the-art facilities in an area of more than 40 acres of well land-scaped land with more than 80% open area, that leaves the visitors with a pleasant feel the moment they enter the complex.

The Trade Fair Complex is very proximate to the Airport, Railway Station and National Highway.

This region has benefited a lot from INTEC series of trade fairs. Some of the benefits are listed below.

► INTEC has put Coimbatore on the world map as a highly competent manufacturing base INTEC has made Coimbatore the top destination for sourcing components by major industrial houses INTEC enables the local companies, to stay updated about technological advancements worldwide.

Factors that contribute to the success of INTEC are:

► The success of any outstanding venture depends greatly on the power its promoters possess.

► Entrepreneurial spirit of the people of this region and adaptation to new technology by the MSMEs of this region ensures business to all solution providers.

► A strong base of over 6700 members of CODISSIA who are highly potential buyers, encourages exhibitors to participate.

These industries formed the major chunk of prospective buyers of machineries and accessories from the exhibitors of INTEC fairs.

For more information please contact:

Trade Fairs (INTEC 2024)

**CODISSIA Trade Fair Complex, P B No: 3827, Huzur Road
Coimbatore, Tamil Nadu 641 018**

☎ 0422 - 2222 396/ 397

Industrial Products Source February 2024

CHEMTECH Exhibition 2024 + Focus: Chemical, Pharma, Bio-Tech & Food Processing, Packaging, Pollution Control Equipment



EXHIBITIONS • FAIRS • SEMINARS

DIEMOULD INDIA 2024



DIEMOULD INDIA 2024, the 13th Biennial Die & Mould International Exhibition will be held from February 14 - 17, 2024 at Bombay Exhibition Centre, Goregaon, Mumbai.

The series of DIEMOULD exhibitions "A Trend Setter" organised by TAGMA since 1998 has built growing awareness and reputation as a unique trade fair in India for the Die & Mould Industry and very large by international standards of similar DieMould Exhibitions held globally.

Over the years DMI Exhibition has become a one-stop shop for Die and Mould manufacturers a place to meet prospective customers and showcase the latest technologies. Being the biggest Die and Mould-focused event, the exhibition leaves no stone unturned in consistently meeting the expectations of both exhibitors and visitors alike.

The 13th edition is a 'must participate exhibition' opportunity for all the businesses related to the Tooling Industry; to display and market their products/services in centrally cooled halls, with all supportive infrastructure, in the proximity of Mumbai Airport and having the best worldwide connectivity by air, road, rail and sea.

TAGMA INDIA cordially invites you to participate in DMI 2024 as a unique industrial exhibitor and experience this excellent opportunity to grow your businesses and wish you a grand success in DMI Exhibitions.

Glimpse of DMI 2022

The 12th Die & Mould India International Exhibition held from April 27-30, 2022 at Bombay Exhibition Centre, Goregaon, Mumbai not only had the latest technologies and innovations on display, it also became the launch pad for some companies to introduce their new products.

Highlights of DMI 2022:

Over 38,000 visitors from industries like Automotive, Aerospace, Die and Mould, Machine Tools, Heavy Engineering, Plastics, Packaging, Consumer goods, Toy mak-

ing, and Medical, among others.

Of the 38,000 visitors, 52% comprised of decision makers, Exhibitor count increased by 26% from the last edition and a 15% increment in floor space. Over 10 OEMs participated in the 'B2B PAVILION' Interesting technology sessions on the sidelines of the exhibition.

Organizer: TAGMA India established in 1990 serves as a forum for the Indian Tool Room & Die and Mould Industry whose activity involves design, sales or manufacture of dies for pressing, stamping, punching and forming; injection and compression moulds; die casting dies; patterns and pattern equipment; jigs and fixtures; standard tooling components; CAD/CAM; rapid prototyping; gauges; precision machining; special machines and related products.

Some of the important objectives of TAGMA are:

- To promote training and the diffusion of knowledge relating to standards in the manufacture of Tools and Gauges to improve the standards or the connected trade therewith or with allied industries and to impart relevant and appropriate training to all those engaged in the manufacture of tools and gauges.
- To promote and encourage improvements in tool room industries for greater efficiency.
- To organize relevant seminars, workshops and exhibitions etc. to impart useful knowledge to the tool and gauge manufacturers.
- To establish, run and maintain a library connected with the industry.
- To enhance the contribution of tool room industry to the growth and development of the Indian National Economy and to encourage members to be progressive.
- To publish a directory of members with details of products manufactured and services offered.

TAGMA over the years has been successful in achieving some of the objectives mentioned above, prominent



EXHIBITIONS • FAIRS • SEMINARS

amongst them are:

- Diemould India International Exhibition the most popular mould & die show in India showcasing capabilities of the industry.
- Established Online library for members via Internet and Computer Based Training (CBT) modules at NTTF-TAGMA Library, Bangalore.

Periodical surveys of the Tool Room industry

Delegations/Country Pavilion at the overseas exhibitions.

Facilitators for Joint Venture by circulating Outsourcing enquiries.

Publication of monthly journal 'TAGMA TIMES' and 'Directory' during the exhibitions.

Why Exhibit?

- Unique Industry event of Die & Mould Industry, once in 2 years to showcase their capabilities, innovation, new technology, process and equipments.
- Consolidate business relationship.
- Initiate and nurture new bonds/diversify.

Segments

Automotive (Auto OEMs, Auto Ancillary) • Consumer Appliances • Electricals. Electronics • Packaging. Plastic Processing.

DMI Show offers:

- Opportunity for Value addition. Exploring business potential. Meet the tooling fraternity at one location enabling periodic fellowship and bonding. Give insights to formulate strategy to meet the challenges faced by Tooling Industry. Choose State-of-the-art technology and process – to scale up production to seize growth opportunities and diversify
- Opportunity for Live DEMO in actual working environment enabling live feedback from potential customers.
- To stay updated with the latest innovation in the Global Tooling Industry.
- To highlight your capabilities and presence in the Indian Die Mould Industry.
- To expose the industry workforce to latest innovations across all tooling application.
- To attract new talent to the tooling industry.

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Drupa 24

In 2024, the international print industry will once again meet at Drupa, the world's leading trade fair for print technologies. The world's leading trade fair stands for inspiration, innovation, top-class knowledge transfers and intensive networking. Drupa is the largest trade fair for the printing and graphics industry worldwide and offers its visitors a wealth of opportunities. At the show, visitors can find out about the latest technologies and trends, discover innovative products and solutions and make valuable contacts. Drupa is a must attend event for everyone involved in the printing and graphics industry. Drupa is the best place for graphic artists, designers, brand owners as well as project managers to network. The exhibitors at Drupa present their latest products and solutions on brand management, process management, production planning but also project management, graphic design and many other topics. The show is a great opportunity to learn about the latest developments in the industry and discover innovative products and services

that can help you grow your business and increase your efficiency. Drupa is also an excellent opportunity to network and build relationships with potential customers and partners. With visitors from all over the world, the show is a place where you can make valuable business contacts that can help you grow your business on a global scale.

Once again special visit by InOrbit Tours Pvt Ltd

Pioneers and recognized for more than 40 years under the expert leadership of Mr Om Prakash, Director, InOrbit Tours Pvt Ltd., the special Group visit to DRUPA 24 will be arranged for the benefit of thousands of past participants and for the members of Printing, Graphics, Packaging and Textile Printing industries.

More details can be obtained from:

Mr Om Prakash-Director

InORBIT Tours Pvt Ltd

E-mail: omprakash@inorbittours.com

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Shot Peening Increases Fatigue Life of Auto Components

Shot peening increases fatigue life of auto components like Coils Springs, Leaf Springs, Gears, Rocker Arm, Pinion, Torsion Bar, Connecting Rod, Crankshaft and other components for two wheeler and four wheeler and other industries.

It is rear that we go from one place to another by road and not find a vehicle broke down on the road, due to fatigue failure of axle shaft or the spring and so on, thus creating obstacles in the flow of traffic and sometimes resulting in serious accidents. These fatigue failures can be reduced and are being almost eliminated by use of shot peening.

Shot peening is done through shot peening machines. Two Systems of Blasting: Fig - 1 "Pressure Blast System": In pressure blasting system the blast media is stored in pressurized vessel, which is mixed with compressed air. The air flow accelerates the media, through a blast gun on to the surface. In 'blast Wheel Blasting System : Fig - 2. In blast wheel system the blast media is fed to the center of the blast wheel, which is rotating at high speed. The media is rapidly accelerated by centrifugal force and is directed on the surface to be shot peened. as shown in (Fig. 2.)

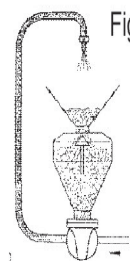


Fig - 1 10mm Nozzle 5 Bar Pressure.
Blast Media Flow : 22 Kgs./Min.
Air Consumption 275 M/Hr.
Energy Consumption 25 KW.
Specified Energy Consumed 1.14 KW/KG.

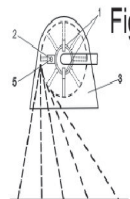


Fig - 2 Blast Media Flow 150 Kgs./Min.
Air Consumption Negligibal
Energy Consumption 7.5 KW
Specified Energy Consumption 0.05 KW/Kg.

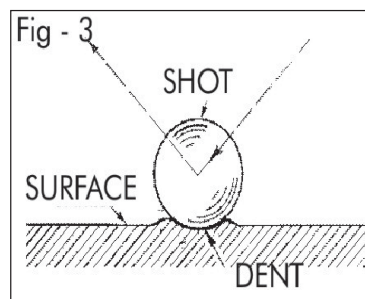
This comparison of different blasting systems, clearly shows that the blast wheel blasting system (fig-2) has the lowest specified energy consumption. Blast wheels are driven by electric motors, whereas the air required by the air blasting system (fig-1) has to be generated by a compressor which is to be purchased and maintained in addition to blast machine itself and the additional power cost.

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Shot Peening Process

Shot peening is a cold working process in which the surface of a part is bombarded with small spherical media called steel shot. Each piece of shot striking the material acts as a



tiny peening hammer, imparting to the surface a small indentation or dimple (Fig. 3). In order for the dimple to be created, the surface fibers of the material must be yielded in tension. Below the surface, the fibers try to restore the surface to its original shape, thereby producing below the dimple, a hemisphere of cold-worked material highly stressed in compression. Overlapping dimples develop a even layer of metal in residual compressive stress. It is well known that cracks will not initiate or propagate in compressively stressed zone. Since nearly all fatigue and stress corrosion failures originate at the surface of a part, compressive stresses induced by shot peening provide considerable increases in part life.

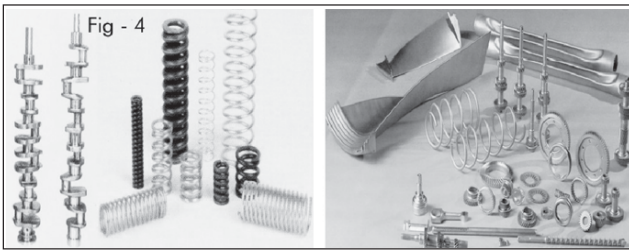
A few examples of the type of parts which have shown a good response to shot peening include:

Crankshafts	900%	Life	Increase
Springs	600 %	"	"
Connecting Rod	1000%	"	"
Coil Springs	1370%	"	"
Gears	1500%	"	"
Steering Knuckles	475%	"	"
Rocker Arms	1400%	"	"

The advantages to be derived from these fatigue life improvements are manifold and affect practically every phase os manufacturing design, production and sales.

Application Of Shot Peening

In general, shot peening will lengthen the fatigue life of any part that is subject to bending or twisting stress. all Two wheels motor bikes like Honda, Bajaj, Suzuki, T.V.S etc. and 4 wheelers Cars like Maruti, Hundai, Tata Fiat,

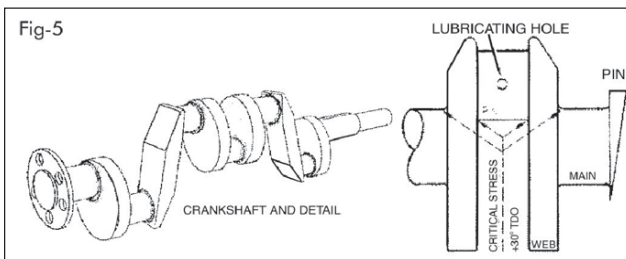


M & M, B.M.W, Volvo & others uses shot peening process on their components to increase fatigue life of Parts like.

Rocker Arms - Leaf Springs - Helical Springs - Axles - Pinion Gears - Splines - Bearings - Pistons - Bevel Gears - Valve Inserts - Crankshafts - Steering Knuckles - Piston Gears - Helical - Gears - Ring Gears - Jet engine blades - Propeller shaft - Chain links - Transmission shaft - valve spring - Torsion bars - Turbine wheels - Compressor blades - cylinder Blocks This list Constantly increase as more research is done lest as now study some at the application

A - Crankshafts

The most highly stressed area of a crankshaft is the crank pin bearing fillet (Fig. 5). The high stress point is the



bottom side of the fillet when the pin is in the top dead center position during the firing cycle. It is common for cracks to initiate in this pin fillet and propagate through the web of the crankshaft to the adjacent main bearing fillet, causing fatigue failure. In Fig. 5 which refers to 6 cylinder 4340H forged crankshaft, the unpeened part has fatigue strength of 52 KSI while the shot peened crankshaft has the fatigue strength of 72 KSI, a 38% improvement.

B - Gears

Shot peening of gears is one of the more common applications. Gear applications range from automotive, to heavy vehicle to marine transmissions to axle drive gears to small gears used in power tools

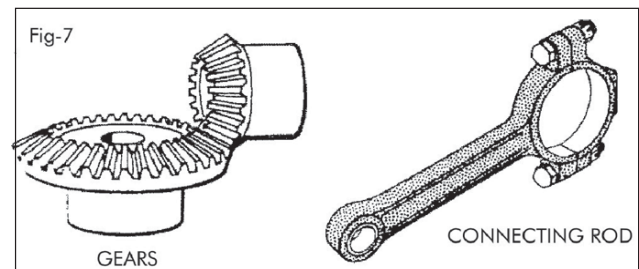


and to very large gears used in transmissions for large ships and mining equipment (Fig.6)

The fillet at the root of the gear are usually the areas of high stress and should be shot peened. However it has also been shown that the tiny indentations produced by shot peening on the face of the gear act as very small oil reservoirs which help promote better lubrication, reduce fretting, noise, spalling, scoring and lower operating temperature by reducing friction. Gears which have to be held to very close tolerances may be lapped or honed after shot peening, provided the lapping or honing operation does not remove more than 10% of the depth of the compressive stress induced. gears are frequently shot peened after carborizing it is found that life case hardened honed gear after shot peening increase considerably.

C - Powder Metallurgy

The dynamic properties of sintered components may be enhanced by shot peening. Improvement in fatigue life is the result of increased hardness and residual compressive stresses. Optimized peening parameters have been

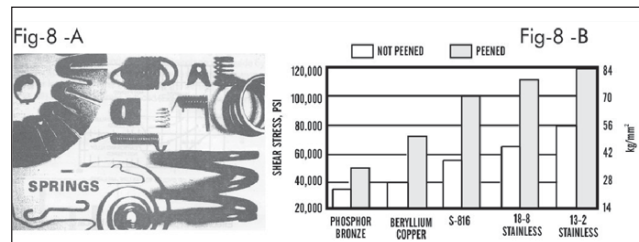


shown to raise the endurance limit of sintered steel alloys by 22% and the fatigue life by a factor of ten (Fig. 7) This suggests that highly stressed automotive components such as gears and connecting rods should be considered good candidates for sintered steel.

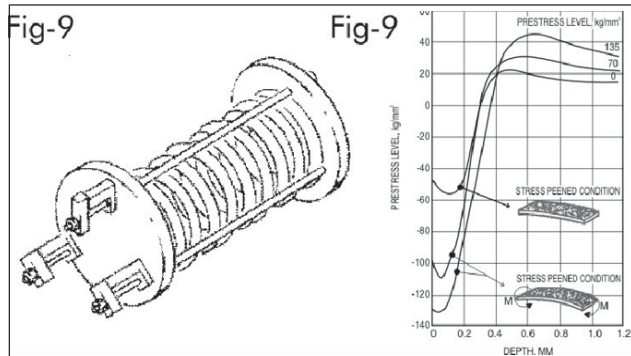
Shafts And Axles.

All sizes and many types of shafts and axles are shot peened to improve their fatigue properties. In some instances, peening is required only in key ways, splines, fillets, shear sections or other changes in cross section.

Springs



Compression coil springs are probably the best known



and most widely used parts that are shot peened. All automobile engines contain shot peened valve springs and have done so for many years. Springs made of wire sizes as small as .005 inch (.13mm) diameter and as large as 3.0 inch (76.0mm) have been successfully shot peened to increase fatigue resistance. (Fig. 8)

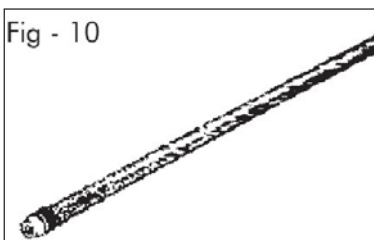
shows the increase in safe stress ranges of coil springs made of various metal alloys. The fatigue resistance of extension springs and coiled torsion springs can also be increased by shot peening.

Stress Peening Or Strain Peening

For parts which are stressed in one direction only and for which longer fatigue life is desired that can be obtained from conventional shot peening, stress peening (also called strain peening) can be applied. The part is shot peened in a stressed, or laded, condition. In stress peening, an even higher residual compressive stress is produced that can be obtained with normal shot peening. The values of compressive stress induced by stress peening can be as high as the compressive yield stress of the material itself. (Fig. 9).

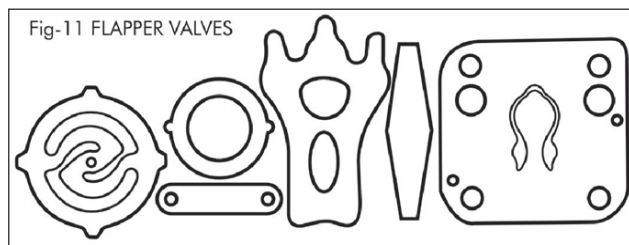
Torsion Bars

Torsion bars are excellent application for shot peening (Fig. 10) shows the increase in fatigue resistance made possible by shot peening torsion bars. Torsion bars are often preset to increase their ability to carry a load without taking a set in service. shot peening should be accomplished before presetting Torsion bar fatigue. Cracks Some time Starts in because at tools make or notches



Valve Springs

Various sizes of valve springs are the heart of compressors, internal combustion engines and pumps. The ap-

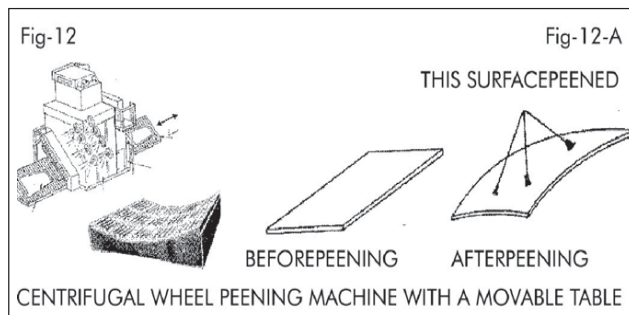


plication of flapper (Fig. 11) valves and other

highly stressed precision spring steel components requires resistance to flexing fatigue, high impact loads and extreme operational stresses. To meet the demand of surface refinement and controlled redious on difficult inside edges. For certain compressor and two-cycle applications which requires the highest degree of precision and dependability, shot peening is recommended.

Peen Forming

Peen forming is a dieless forming process performed at room temperature. During the process, the surface of the work-piece is impacted upon by small, round steel shot. Every piece of shot impacting the surface acts a tiny peening hammer, producing elastic stretching of the upper surface and local plastic deformation that manifests itself as a residual compressive stress. The surface force



of the residual compressive stress combined with the stretching causes the material to develop a compound, convex curvature on the peened side.

(Fig. 12) The process is ideal for forming large panel shapes where the bend redious is reasonably large without abrupt changes in contour. It is best suited for forming curvatures where the redious are within the metal's elastic range. The sketch below shows an integrally stiffened wingskin being peened in peen forming machine, which has the necessary controls to achieve varying curvature requirements along the skin while compensating for varying thickness, cutouts and reinforcements, as well as distortion caused by machining or heat treatment.

Work Hardening

On materials such as stainless steel, inconel, manganese

steel, satellite and hastelloy, shot peening can produce a substantial increase in surface hardness. This can be of particular value on parts which cannot be heat treated and require wear resistance on the surface.

Oil Seals

Oil seal leakage problems can range from the annoying to the critical and losses can be costly in terms of damaged equipment and down time. With increasing need for higher speeds and higher pressures, the problem is becoming more severe. Many machining operations produce sharp scores or directional textures which are costly and difficult to control. However the shot peening process is able to help prevent seal leakage at an economical cost with repeatable results.

Shot Peening Control

There is no nondestructive production method to determine proper shot peening on a part. Therefore strict control during the shot peening process is essential to ensure repeatability and uniformity on a part to part and lot to lot basis, while conforming to the applicable specifications. The shot material, size, shape and hardness as well as velocity and impact angle must be rigidly controlled to provide consistency in peening results. In order to effectively control the shot peening process, these parameters must be addressed in the following order:

- 1) Media Control. 2) Intensity Control.
- 3) Coverage Control. 4) Equipment Control.

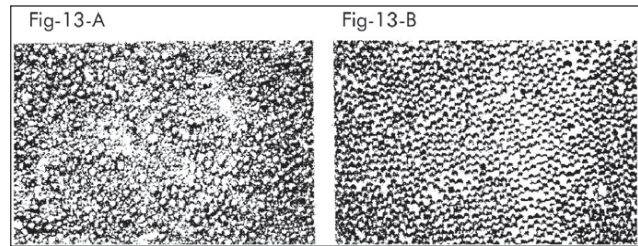
Media Control (Steel Shot)

Media typically used for shot peening are small spheres of cast steel, conditioned steel shot or (both carbon and stainless steel), ceramic and glass materials. Usually cast steel is employed, but stainless steel cut wire shot is used in applications where iron contamination on the part surface is of concern. Glass beads are also used where iron contamination is of concern and since they can be both smaller and lighter than other media, they are often used topeen into sharp radii or threads and when very low intensities are required on delicate parts.

Peening media must be uniform in size and essentially spherical in shape with no sharp edges or broken particles. (Fig. 13-A) is a photograph of unacceptable peening media, non-uniform in size and containing large amounts of misshaped particles. Acceptable peening media is shown in (Fig. 13-B) This media is uniform in size and round in shape with no foreign particles or debris. Broken or sharp edge particles can be potentially damaging to the part surface.

Intensity Control

Calibration of the impact energy or peening intensity of



the shot stream is essential to controlled shot peening. The energy of the shot stream is a function of the media size, material, hardness, velocity and impingement angle. In order to specify, measure and calibrate peening impact energy, J. O. Almen of General Motors Research Laboratories developed a method utilizing SAE 1070 spring steel specimens which he called Almen Strips. In his method, an unpeened Almen Strip is fastened to a steel block and exposed to a stream of peening shot for a given period of time. Upon removal from the block, the residual compressive stress and surface plastic deformation produced by the peening impacts will have caused the Almen strip to curve, convex on the peened surface. The height of the curvature when measured in a standard Almen gauge is called arc height. (Fig. 14) illustrates the concept of the Almen system. An almen strip shall not be reused after peening.

There are three standard Almen strips currently in use "A" strip 0.051 inch thick, "C" strip 0.094 inch thick and "N" strip 0.031 inch thick. The approximate relationship between the A, N and C strips is $3N=A=0.3C$. The usable range of curvature on the Almen strips is 0.004 to 0.024 inch. Intensity designations should include both the arc height and the type of Almen strip used. e.g. 10A intensity 0.010 inch (0.25mm) arc height on the A strip.

Saturation

An Almen arc height is not properly termed intensity unless saturation is achieved. In order to measure Almen strip saturation, an intensity curve must be developed. When a series of Almen strips are peened with a fixed machine setting for different exposure times, a saturation curve similar to the curve shown in (Fig. 15) can be developed. Saturation is defined as the earliest point on the curve where doubling the exposure time produces no more than a ten percent (10%) increase in arc height.

It should be understood that saturation of the Almen strip and coverage to the part are not the same, nor will they necessarily occur at the same exposure time on the parts being peened. Saturation is the calibration of the energy of the shot stream. Coverage refers to the population of peening dimples on a surface as verified by coverage inspection techniques. Saturation time is deter-

mined on an Almen strip of hardness HRC 44-50. If the part being peened is much softer than the Almen strip, it will cover in a shorter period of time. Conversely, if the part being peened is much harder than the Almen strip, it will require a correspondingly longer exposure time to the shot stream, because the dimples on the harder surface will be smaller.

The saturation curve established the actual intensity for the particular machine setup, measured at the location on the part as indicated on the drawing. In order to establish and maintain proper control and reliability shot peening must be performed in controlled peening machinery where the Almen strip/s and the parts will be exposed to the same conditions required by previously established and approved procedures.

Concluding Remarks :

shot peening in no move and optional process in Auto

industries for uniform results the job should be passed through shot peening machines, which is well controlled one should insure that all surface subjected to high repetitive stress are uniformly covered by the wheel blast, for low volume of production air blast might be sufficient, however for high rate of production the airless wheel type method involving rotating blades wheel is more productive and economical Fig .16 A.B.C.D.E.F. shows peening machine for (A) Leaf spring (B) Bevel gear (C) Hub (D) Transmission gears (E) coil Spring (F) Torsion rod Before Selecting the equipment it is necessary, to Consider Designing Experiences of Manufacture Spare parts Availability, sales service offered and many other point. with humble beginning in 1990 in 33 years we have supplied more than 4500 machines various application. In India & Abroad.

Sterling Accuris Expands into Pharmaceutical and Analytical Testing through a new Partnership

Sterling Accuris Diagnostics, a leading chain of NABL-accredited pathology laboratories has announced the acquisition of Ahmedabad based Vaibhav Analytical Services, a leading provider of analytical testing services, including pharmaceutical/drug testing. With this acquisition, Sterling Accuris has successfully expanded its range of services offered to fields such as pharmaceutical analytical testing.

The Pharmaceutical industry in Gujarat ranks number one in India with a 33% share in drug manufacturing and a 28% share in drug exports. Established in 1999, Vaibhav Analytical Services is a service provider to the pharmaceutical industries and is acclaimed for its expertise in pharmaceutical analysis, a critical aspect of drug development and manufacturing. Vaibhav Analytical Services operates its NABL accredited laboratory, ensuring strict compliance with international standards for pharmaceutical testing at Ahmedabad and services clients from across India. The company has also received approval from the Nigerian Government (NAFDAC) as a CRIA authorised laboratory.

Mr. Rajiv Sharma, MD of Sterling Accuris Diagnostics, emphasized the significance of this acquisition "This strategic move aligns with our commitment to advance

healthcare through innovation and excellence in diagnostics and analytical testing services. Analytical testing assists biotech, food, environmental, and pharmaceutical companies that provide products to consumers for safety assurance and quality control, and we want to actively collaborate with them for all their testing needs.

Mr. Ankush Gupta, CEO of Sterling Accuris Diagnostics, highlights, "Vaibhav Analytical's inclusion positions us to meet the increasing demand for comprehensive pharmaceutical testing, contributing to the highest standards of safety and efficacy."

Mr. Gaurang Oza, partner of Vaibhav Analytical Services, expressed his enthusiasm, stating, "This collaboration marks a new chapter for Vaibhav Analytical Services. By joining forces with Sterling Accuris, we aim to contribute to advancements in pharmaceutical testing and ensure the highest standards of safety and efficacy."

About Sterling Accuris : Sterling Accuris Diagnostics, founded in 2015 has more than 250+ collection centres and 65+ laboratories and the company has experienced rapid growth since its inception. It is noteworthy that Morgan Stanley Private Equity Asia is an investor in Sterling Accuris Wellness Private Limited.

SANY India Surpasses 30,000 Machines on Ground, Driving India's Infrastructure Development

SANY India, a leading manufacturer of construction equipment, has announced a significant milestone wherein the company has surpassed the 30,000-machine mark in India. This achievement is a testament to SANY India's commitment to provide high – quality, reliable and innovative equipment to the Indian market.

SANY India has been a pioneer in the Indian construction machinery industry for over two decades. It has successfully expanded to a growing network of 42 dealers and over 260 customer touchpoints in India and South Asia. SANY India has a strong presence across all segments of the industry, including road construction, mining, infrastructure, and real estate. SANY India's wide range of products includes excavators, truck-mounted cranes, all-terrain and rough terrain cranes, crawler cranes, Piling rigs, Dump Trucks, port machinery, transit mixers, batching plants, boom pumps, trailer pumps, motor graders, pavers, milling machine, compactors, reach stackers, rubber tyred gantry cranes, rail-mounted gantry cranes, wind turbine generators and many more.

Speaking on the occasion, Mr Deepak Garg, Managing Director of SANY and South Asia said, "Surpassing 30,000 machines operating across India fills us with immense pride. This significant milestone reaffirms our unwavering commitment to the domestic construction equipment market, and we foresee a future brimming with potential for further growth. Our unwavering pursuit of excellence remains at the core of our mission, driving us to constantly surpass our own benchmarks and deliver exceptional value to our customers. As we embark on the next chapter of our journey, we pledge to continue innovating, pushing boundaries, and redefining industry standards, all while upholding the values that have propelled us to this remarkable achievement."

He further added, "We are honoured to be recognised as "Naye Bharat ka Nirmata", with over 30,000 Sany machines actively contributing to every major and minor infrastructure project across the nation. We are not merely participants; we are at the heart of India's infrastructure. This statement captures the central role we play in shaping the nation's progress. Through unwavering commitment to excellence and innovation, we are confident in our ability to continue contributing significantly to the development of India's infrastructure landscape. We are deeply grateful for the trust and support that our customers have placed in us, and we look forward to con-

tinuing to serve them with the highest levels of quality, reliability, and performance."

Sany India has been advocating and practicing 'Vocal for Local' since its inception. By emphasizing local manufacturing, the company strives to diminish costs and streamline the supply chain, thereby making eco-friendly equipment more economically accessible for customers. Presently, the company has attained a localization rate of 40%, with an ambitious target to elevate it to 75% within the next 3-5 years. This strategic initiative not only addresses cost-related challenges but also aligns with SANY's steadfast commitment to sustainability. Furthermore, SANY has made substantial investments in research and development, ensuring that its products remain at the forefront of technological innovation.

About Sany India : SANY India offers the widest range of Construction Machinery in India & South Asia. In 2012, SANY India invested more than INR 1000 crores to develop infrastructure for R&D, Manufacturing, Quality Inspection, Testing, and Service at their manufacturing facility in Chakan, Pune. Through this facility, the company operates in multiple Business verticals viz: Earth Moving, Lifting, Foundation, Mining, Ports, Concrete, Roads and Renewable Energy solutions. Presently, SANY India offers products like excavators, truck-mounted cranes, all-terrain and rough terrain cranes, crawler cranes, transit mixers, batching plants, boom pumps, trailer pumps, piling rigs, motor graders, pavers, milling machine, compactors, reach stackers, rubber tyred gantry cranes, rail-mounted gantry cranes, mining equipment, wind turbine generators and many more.

The company has already established a strong network of around 42 dealers and 260 touch points across India to cater to the growing demand and provide support to all its customers & associates. SANY has more than 30000 machines delivered on the ground, contributing to infrastructure development projects in India & other South Asian countries. Owing to its widest product range, superior build quality, service commitment, innovative solutions, and global expertise, SANY India has achieved market leadership in various construction equipment segments. With the Government of India's focus on infrastructure development and modernization, the company is poised for tremendous growth.

Web: www.sany.in

Modular Components for Scalable Plant Engineering in the Paint Shop

Pretreatment rethought: EcoProWet PT

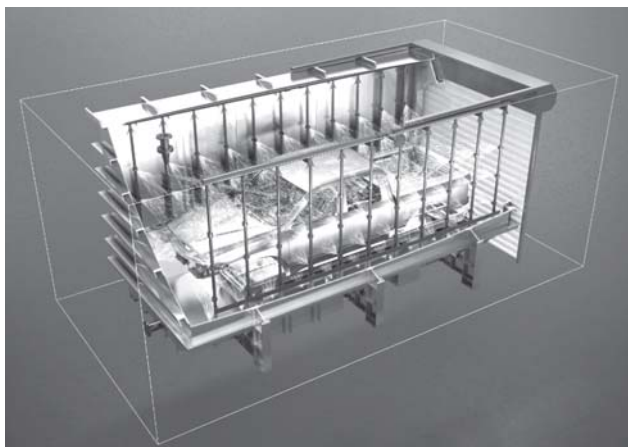
Dürr is enabling a compact and modular construction method with a new system design for pretreatment in the painting process. EcoProWet PT is a flexible and scalable wet system for body pretreatment that takes much less space and time to build than classic immersion tanks. The system saves on energy and materials, and is particularly suitable for small to medium production capacities.

In vehicle painting, pretreatment is still one of the process steps that takes up the most space in a plant. This is because the tanks for cleaning and electrocoating are designed for the biggest vehicle body dimensions and for the longest process times in each case. With EcoProWet PT, Dürr has developed a new modular pretreatment system that is revolutionizing systems for small and medium capacities with a scalable, space saving and sustainable solution.

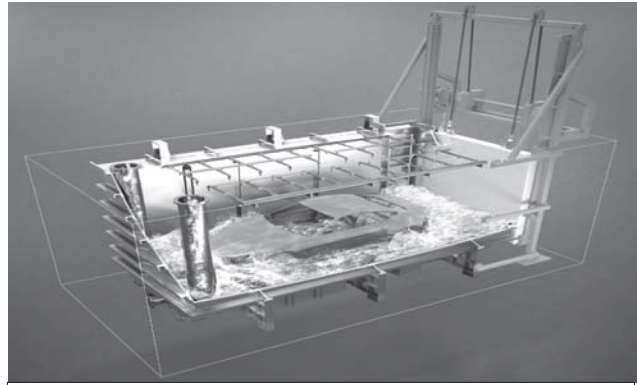
Modular design instead of big immersion tanks

The first station in the painting process is pretreatment, where vehicle bodies coming through from the body shop are cleaned, degreased and prepared for subsequent coating. The second process step is electrocoating, which applies a primer to the body to protect against corrosion. Up to now, the RoDip® rotational dip process has been used at Dürr for efficient immersion and draining processes. The EcoProWet PT pretreatment system is a completely new alternative to the established method.

Instead of using large tanks, the innovative system de-



In the spray chamber, a large number of nozzles clean the bodies inside and outside.



Cleaning fluid flows into the flooding chamber from a buffer tank.

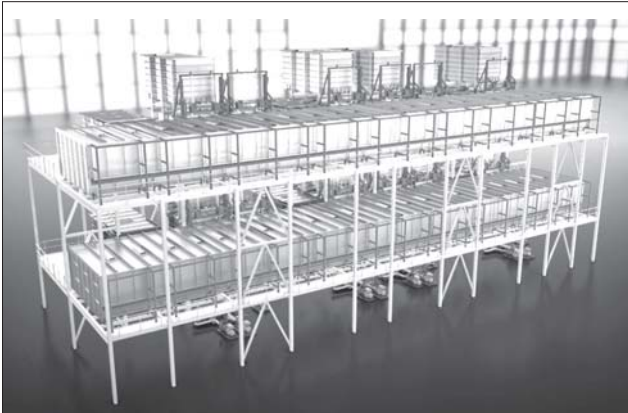
sign from Dürr envisages compact chambers, which are flooded or designed as spray chambers depending on the process step. At the process level, the body is loaded through a roller shutter door into the tunnel on the cross transfer cars, which bring them to the respective process chambers. For future series systems, up to five of these cross transfer cars are planned, which work in previously defined sections and bring the bodies to the chambers.

Like the chambers themselves, all elements of the system have a modular design not only for efficient logistics, but also short assembly and commissioning times during construction. This applies to the tunnel, the steel structure, the conveyor technology and the door that securely seals the flooding chamber. Thanks to the solid construction, it can withstand the water pressure even during flooding or when the chamber is completely full. The optional insulation in the door greatly contributes to the system's energy efficiency by reducing the amount of heat loss to a minimum.

Environmentally friendly pit stop for deep cleaning

In the spray chamber, the bodies are treated using a large number of nozzles, which can be directed to different areas and can be flexibly switched on and off according to the size and shape of the bodies. In this way, even critical areas like door sills can be reached. A lance with a special rotating nozzle also ensures targeted and efficient cleaning of the interior.

In the flooding chamber, the treatment fluid is fed into the chamber from a buffer tank located above. The result-



The **EcoProWet PT** pretreatment system consists of Ma space-saving modular chamber instead of large immersion tanks.

ing momentum further helps to clean the body, and only as much fluid is used as needed for the respective size of the car body. The filtration process to recycle the cleaning fluid takes place in the full volume flow on the way back from the counter tank to the buffer tank.

In series operation, the cycle times and system modules are coordinated with each other in such a way that the buffer tank is filled whenever fluid is needed. Since the pumps are likewise controlled in accordance with the actual need, the energy required for them to run can be reduced to a minimum.

Modern thin-film process instead of zinc phosphating

In automotive paint shops, the previously common pretreatment process of zinc phosphating is being replaced by new thin-film processes that minimize the use of environmentally harmful chemicals and the cost of wastewater treatment. These thin-film processes have become successfully established on the market, and already today meet the high requirements for corrosion protection. The EcoProWet PT pretreatment system developed by Dürr is perfect for thin-film processes. The system was developed in close cooperation with the leading chemical manufacturers. Together with the two European market leaders BASF/Chemetall and Henkel, Dürr has already carried out extensive test series to validate the new system concept at its headquarters in Bietigheim, Germany, in a purpose-built pilot system.

The evaluation of the test results by the chemical suppliers proves just how well suited the system concept is to modern, environmentally friendly thin-film processes. It also confirms the high flexibility of the system, which enables an optimized process design for different substrates and body types. Through the close cooperation, Dürr has succeeded in developing a system that meets the sustainability requirements of future production pro-

cesses to a special degree.

The Dürr Group has had a direct representation in India since 1997, and Schenck RoTec has since 1986. The Dürr Group currently employs around 680 staff there, offering the entire portfolio including sales and service: Dürr India, based in Chennai, offers painting, application, final assembly and energy efficiency technology products as well as air pollution control, noise abatement systems and battery coating lines. Since April 2015, Dürr India has also been offering on-the-job as well as classroom training in paint and application systems to customers at its training center. Schenck RoTec India, in Noida, produces balancing technology as well as testing and filling technology. The HOMAG Group produces machinery and equipment for the woodworking industry. It has a presence in Bangalore, where it operates a production site and sales and service company HOMAG India.

The Dürr Group is one of the world's leading mechanical and plant engineering firms with extensive expertise in automation, digitalization and energy efficiency. Its products, systems and services enable highly efficient and sustainable manufacturing processes in different industries. The Dürr Group primarily supplies the automotive industry, producers of furniture and timber houses as well as the chemical, pharmaceutical, medical devices and electrical engineering sectors. It generated sales of •4.3 billion in 2022. The company has about 19,000 employees and 123 business locations in 32 countries. The Dürr Group operates in the market with the brands Dürr, Schenck and HOMAG and with five divisions:

Paint and Final Assembly Systems: paint shops as well as final assembly, testing and filling technology for the automotive industry, assembly and test systems for medical devices

Application Technology: robot technologies for the automated application of paint, sealants and adhesives

Clean Technology Systems: air pollution control, coating systems for battery electrodes and noise abatement systems

Measuring and Process Systems: balancing equipment and diagnostic technology

Woodworking Machinery and Systems: machinery and equipment for the woodworking industry.

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Innovative quattroClean technology for cleaning with dry CO₂ granules from acp systems

Automated, inline powersnow cleaning process with integrated cleaning granule production

For inline dry component cleaning applications, acp systems has developed the new powersnow quattroClean technology. In this innovative process, recycled liquid carbon dioxide is compressed into cleaning granules by



The innovative quattroClean Powersnow technology enables dry, fully automated inline cleaning processes. Recycled, liquid carbon dioxide is compressed into cleaning granulate in an integrated system and blasted onto the surface to be cleaned at an accelerated rate using compressed air.

a unit integrated into the system. These are then accelerated by compressed air, fed through a nozzle designed especially for the respective purpose and blasted onto the surface to be cleaned. Thanks to the elimination of the customary external pellet production and logistical effort associated with conventional dry ice cleaning, a fully-automated and uninterrupted cleaning or deburring process can be realized.

In industrial parts cleaning, the goal of optimizing energy and resource efficiency is leading to the increased use of dry processes to reliably remove contamination. At the same time, more and more companies are demanding automated cleaning processes that can be integrated into their production lines. The innovative powersnow from acp systems AG fulfils both requirements. The new cleaning process efficiently removes stubborn particulate and filmic contamination from virtually all materials and material combinations found in industry. Using cleaning granules made from recycled liquid carbon dioxide, the

process can be implemented to clean entire surfaces or selected areas in a reproducible manner. Applications range from surface finishing in the so-called "body-in-white" stage and the removal of welding beads, to the fine deburring of medical instruments and high-quality watch components.

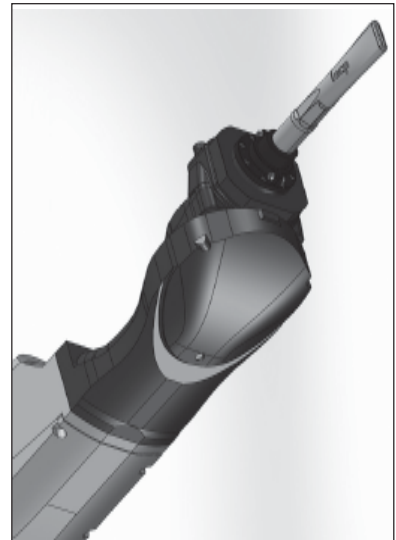
Fully-automated processes through integrated cleaning granule production

The medium is fed to the quattroClean powersnow system

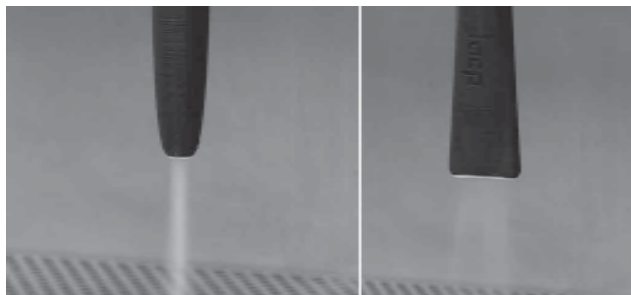
from cylinders or tanks and therefore has an unlimited shelf life. A purpose-built unit integrated in the system compresses the liquid CO₂ into fine cleaning granules. This constitutes a decisive difference to conventional dry ice cleaning, where pellets or dry ice blocks are produced externally and fed to the cleaning system. The system's continuous, automated media supply of the powersnow is an essential prerequisite when it comes to fully-automated, inline cleaning processes.

Fast, effective and reliable process thanks to four mechanisms of action

The macro particles generated by the compressor unit are accelerated by compressed air and blasted via a nozzle onto the surface to be cleaned in a targeted manner. The jet of compressed air containing the granules has a temperature of around minus 78°C. On impacting on the surface, four effects occur. The thermal effect leads to sudden local cooling, and the different expansion coefficients between the substrate and the contaminants cause cracks to form in the latter. The mechanical effect due to the momentum transfer detaches the impurities. When the



The continuous, interruption-free media supply is the essential prerequisite for fully automated, production-integrated cleaning processes in which the nozzle is guided by a robot



Differently designed nozzles allow to optimally adapt the dry cleaning process to different cleaning tasks. The nozzle design and dimensions also ensure that hard-to-reach component areas can be cleaned

snow granules impact on the surface, they undergo a transition from the solid to the gaseous phase, with an abrupt increase in volume of around 600 times. This so-called sublimation effect creates micro-pressure waves that also detach contaminants. In addition, during the transition phase, a solvent effect removes filmic/organic contamination.

The strength of these effects and thus the intensity of the cleaning jet can be adapted to different cleaning applications or workpieces by varying the volume flow of carbon dioxide, the compressed air pressure and the type of nozzle.

From surface finishing in the body-in-white stage to fine deburring

This process flexibility makes the new quattroClean powersnow technology extremely versatile. For example, the surfaces of car body parts can be selectively cleaned and activated automatically prior to bonding. This is also the case when different materials, such as metal & plastic, metal & wood or different plastics, are to be permanently bonded together. The robustness of the process as well as a large working window thus offer advantages over

other dry cleaning methods such as atmospheric plasma and laser. If adhesive residues need to be removed after bonding, the new process also rapidly achieves the required cleanliness. Other typical uses include the preparation of surfaces for bonding or welding and the removal of welding beads. Lines can also be utilized for these tasks, with robots carrying out the respective pre- and post-processing steps. In the automotive industry and electromobility, other areas of application include cleaning tasks during the manufacture of fuel cells and batteries, including solid-state batteries. The process is also used to automate the regular cleaning of DLC coating tools, thus increasing throughput.

The mechanical force of the granules and the local embrittlement caused by the intense cooling effect enables burrs to be efficiently removed inline from metal components such as high-quality watch components and medical instruments.

Likewise, burrs can be removed from injection-molded or machined plastic components, including those made of polyphenylene sulfide (PPS) and polyetheretherketone (PEEK), as well as fiber-reinforced plastics.

Task-specific, cost-effective solution

Tests in acp's technical center determine the general suitability of the powersnow cleaning technology for the task at hand and define the necessary process parameters. The key factors influencing these parameters are the cleanliness and/or deburring requirements as well as the cycle time specifications. Based on these, acp systems develops appropriate system concepts for implementation as stand-alone solutions, for integration into the specific production process or for integration into interlinked manufacturing environments. Since all process parameters are recorded and documented, full traceability is guaranteed.

Contact:

www.acp-systems.com

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Spinner Hanger Blast Machine Produces Eight Times Faster Processing Times

Improved Quality And Lower Costs Through Automated Shot Blasting Operation

The lack of flexibility and unsatisfactory powder coating qualities at external job shops induced a Dutch manufacturer of industrial furniture to bring its coating operation in-house. Unlike its competitors, the company decided to also do the paint preparation by shot blasting in-house with an automatic shot blasting machine from Rösler. Compared to manual processes, the shot blasting cycle times are not only eight times faster, but the automatic solution also produces better qualities at lower costs. This resulted in a significant competitive advantage.

ML Constructie produces small tools and industrial furniture. In addition, the company serves other manufacturers with a laser cutting service for sheet metal, tubes and semi-finished products. In the past industrial furniture was generally sold without any protective coating. However, in recent years customers increasingly demanded the furniture to be painted. Due to the rapidly growing demand for color coated products, the company initially had the shot blasting and powder coating of the furniture done by external job shops. Ben Luizink, co-owner of ML Constructie, reports: "We were not satisfied with the handling of our work by the external job shops. Due to long lead times we could not deliver our products as quickly as we wanted. Moreover, most of the time the coating quality did not meet our specifications. For example, we found residual sand from the sand blasting operation on our products. And the coating thickness was generally insufficient. To better control the blasting and coating operations we created our own in-house coating department." That's how a few years ago ML Coating was started. Since then it has grown into a coat-

ing company that shot blasts and powder coats its own products and provides blasting and coating services to other companies.

Quick investment in a spinner hanger blast machine

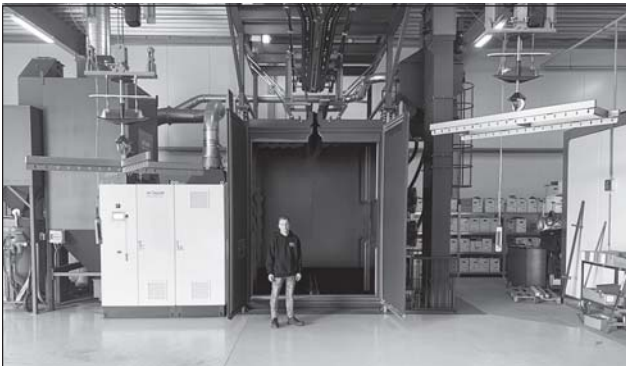
One of the first purchases by the newly created company was a spinner hanger blast machine from Rösler. Mike Luizink remembers: "Pre-condition for achieving a homogeneous, high-quality coating is that the components are thoroughly and precisely shot blasted. Most companies in our area still do this manually. However, right from the beginning we decided to automate the entire shot blasting operation."

More comfortable working conditions and higher shot blasting qualities

Since manual blast operations are hard and exhausting, it is very difficult to find and keep the people for this kind of work. With the Rösler blast machine the employees must only place the work pieces onto the respective fixtures and remove them after the blast process. Another significant contribution towards a better working environment was the low noise emission, which is considerably lower than the noise from manual blast rooms. Moreover, the automated shot blast process is eight to ten times faster. While in manual blast rooms media quantities about six kg are dispensed per minute, each of the four blast turbines in the spinner hanger machine throws 150 kg of media at the work pieces every minute. Another benefit is that the spinner hanger blast machine is equipped with two rails in "Y" design. This allows the operator to place work pieces onto the fixture at one rail branch, while the work pieces from the other rail branch are being blasted. Therefore, unproductive idle equipment times are more or less completely eliminated. Last but not least, the overall blast cleaning quality is considerably better. "In the automated shot blast process the blast media is getting into even the tiniest work piece corners. This is nearly impossible with manual shot blasting operations", comments Ben Luizink and continues: "The Rösler shot blast machine is very tight and emits practically no dust. Since we are coating the work pieces in the same hall, this is a huge benefit."

Lower media and energy consumption results in significant cost savings

That shorter processing times result in lower costs is



With the Rösler blast machine ML Coating achieves considerably better shot blast qualities, a better working environment and substantial cost savings. All this provides a significant competitive advantage for the company

quite obvious. However, ML Coating achieved significant cost savings in other areas. "After ten blast cycles the sand used in manual shot blast operations becomes dust and is, therefore, no longer usable. This produces a lot of waste material," explains Ben Luizink. "Another drawback of manual blast operations is that the sand remains in tight corners of the work pieces and is, therefore, lost. In automated shot blasting machines the entire quantity of thrown blast media is collected in the bottom and transported to the media cleaning system with special augers. This ensures a much longer usable life of the blast media. An additional advantage is that significantly harder blast media can be used."

In manual blast rooms the compressed air needed for the blast operation is generated by compressors requiring a high energy input. In the new Rösler shot blast machine the blast media is accelerated by direct-drive electric turbines. Ben Luizink explains: "The turbines require a lot less energy than media acceleration by compressed air." Another important energy-saving feature in the Rösler machine are the Rösler Gamma G turbines with their curved throwing blades. Because of the curved blade design the blast media leaves the throwing blades at a higher speed without additional energy requirements. This results in a higher impact velocity of the media on the work pieces. The energy consumption can be further reduced by intelligent adjustment of the turbine RPM. For example, delicate components can be blasted at 1,500 RPM, whereas stripping of old paint can take place with 3,000 RPM.

Smooth order processing and trouble-free commissioning

Ben Luizink remarks: "During the entire project we had optimal support from Rösler. Initially, the Rösler engineers helped us to decide which shot blast machine is best for us." Once the decision had been made, the implementation started. For example, for an optimal placement of the machine in the hall the standard equipment layout had to be modified, and the dust collector had to be relocated. Various preparatory work like the installation of electrical conduits and the pouring of various concrete foundations was done by the customer. After a brief review of this work by Rösler the blast machine was installed and commissioned. "Installation and commissioning were completed within one week. After a short operator and

maintenance training we were able to fully utilize the machine", explains Ben Luizink.

Automated shot blasting provides a competitive advantage

At the moment ML Coating is the only company of its kind in the region that does its shot blasting operation fully automatically. Around 80% of all work pieces can be processed in the spinner hanger blast machine. The remaining work pieces, for example very large and heavy components are blasted manually. If needed, very delicate components can be pre-treated chemically.

About 50% of the work pieces processed in the automatic Rösler blast machine are components for ML Constructie, whereas the other 50% are prepared for coating jobs for external customers. Overall ML Coating achieves excellent shot blasting results, and the company is highly satisfied with the easy operation of the Rösler machine. „We can easily adjust the shot blast parameters such as throwing speed and blast time. This allows us to create work piece specific programs for the various product groups. At the moment we work with twelve programs, which are more than sufficient for our current shot blasting needs," concludes Ben Luizink.

For over 80 years the privately owned Rösler Oberflächen-technik GmbH has been actively engaged in the field of surface preparation and surface finishing. As a global market leader, we offer a comprehensive portfolio of equipment, consumables and services around the mass finishing and shot blasting technologies for a wide spectrum of different industries. Our range of about 15,000 consumables, developed in our Customer Experience Centers and laboratories located all over the world, helps our customers to fulfill their individual finishing requirements. Under the brand name AM Solutions, we offer numerous equipment solutions and services in the area of additive manufacturing/3D printing. Last but not least, our central training center the Rösler Academy offers practical, hands-on seminars on the topics mass finishing and shot blasting and lean management. The Rösler group has a global network of 15 locations and 150 sales agents.

For detailed information please go to:

www.rosler.com

Special Section - January 2024

Diemould India 2024 + Focus: Machine Tools

Auto Components Accessories

REC Shines at The Prestigious ICC-XIII PSE Excellence Awards 2023

REC Limited, a Maharatna CPSE under the Ministry of Power, has been conferred with three awards, including winner in the CSR & Sustainability and runners-up in Operational Performance Excellence and Corporate Governance categories by the Indian Chamber of Commerce during XIII PSE Excellence Awards.



REC bagged these awards under the Maharatnas and Navaratnas category. The awards were received by Shri Ajoy Choudhury, Director (Finance), Smt. Taruna Gupta ED (CSR) and Shri Saurabh Rastogi, CGM (BDM).

Speaking on the occasion, Shri Choudhury said, "REC Limited is honored to receive the recognition from the Indian Chamber of Commerce, validating our commitment to operational excellence, sustainable practices, and ro-

bust governance. These awards reaffirm our dedication to driving positive change and creating a lasting impact."

PSE Excellence Awards have been instituted by the Indian Chamber of Commerce to recognize excellence in public sector undertakings. The award has been conferred to the company based on a detailed evaluation by an independent jury through a rigorous and transparent process.

REC Limited, a Maharatna CPSE established in 1969, under Ministry of Power, provides long term loans and other finance products for Power-Infrastructure sector comprising of Generation, Transmission, Distribution, Renewable Energy and new technologies like Electric Vehicles, Battery Storage, Green Hydrogen etc. More recently REC has also diversified into the Non-Power Infrastructure sector comprising of Roads & Expressways, Metro Rail, Airports, IT Communication, Social & Commercial Infrastructure (Educational Institution, Hospitals), Ports and Electro-Mechanical (E&M) works in respect of various other sectors like Steel, Refinery, etc. The loan book of REC exceeds Rs 4.74 Lakh Crore.

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Continental and Telechips Collaborate on Smart Cockpit High-Performance Computers

- New component for rapid market launch: System on Chip (SoC) from Telechips becomes standard in Smart Cockpit HPC solutions from Continental.
- State-of-the-art user experience at cost-optimized configuration and reduced development time.
- Newly added SoC offers another building block in road to cloud strategy.

Korean semiconductor company Telechips supplies Continental with its Dolphin System on Chip (SoC) family. The SoC is adapted to the pre-integrated function set of Continental's Smart Cockpit High-Performance Computers (HPCs) and offers ideal system performance for cluster, infotainment and visualization of Advanced Driver Assistance Systems (ADAS). With the new hardware, a sweet spot between performance, costs, and reduced development times is achieved. The Smart Cockpit HPC is designed for typical cockpit setups with driver and central displays, as well as assistance systems with up to five cameras.

"Collaborating with Telechips, we are enormously reducing development effort and costs for automotive manufacturers. Thus, we will be able to serve our customers from order intake to series production in 18 months," explains Jean-François Tarabbia, Head of the Architecture and Networking business area at Continental.

The new Smart Cockpit HPC solution combines the powerful processors of the Dolphin family with pre-integrated functions, enabling great user experience beyond the premium segment.

"We are grateful to have established a collaboration with Continental, a global leader in automotive technology. Telechips, now adopted as the standard for Continental's Smart Cockpit HPC solution, has recently met key international standards such as ISO26262, TISAX, and ASPICE. This demonstrates full readiness for a leap as a comprehensive global semiconductor solution company. Through this partnership with Continental, Telechips will actively pursue collaboration beyond the 'Smart Cockpit', contributing to the evolution of 'E/E Architecture' and shaping the future of mobility," says JK Lee, the CEO of Telechips.

Smart Cockpit High-Performance Computing: powerful components for extensive functions

With the newly added SoC, Continental offers another building block in the ecosystem from road to cloud. Telechips' processors enable extensive Smart Cockpit func-



Continental Smart Cockpit HPC with Telechips System on Chip

tions on up to three displays. This includes, among others, visualization of "Surround View": The scalable 360-degree-view solution is based on four cameras and enables the monitoring of the entire

area around the vehicle as well as the generation of different perspectives of the vehicle.

The driver benefits from this in a wide range of scenarios – from parking and maneuvering at low speeds to pedestrian and vehicle detection, for example in city traffic. At the Consumer Electronics Show (CES) from January 9-12, 2024, in Las Vegas, product demonstrations of various Smart Cockpit solutions from Continental and Telechips will take place.

Strong Partnerships for State-of-the-Art User Experience

With the Smart Cockpit HPC, Continental is taking the driving experience to the next level. Together with Google Cloud, Continental is one of the world's first automotive suppliers to integrate an innovative dialog system into the Smart Cockpit High-Performance Computer. Its underlying generative AI compiles information to answer drivers' questions – for example, about the correct tire pressure or sights along the route. The partnership with Google Cloud was announced at IAA Mobility in September 2023.

Continental was the first supplier to pave the way for HPC-based vehicle architecture. Together with Volkswagen, Continental transferred the first central HPC for the entire vehicle networking of the ID. electric models into series production. By the end of 2024, 30 vehicle models from various manufacturers will go into production with Continental's HPC.

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent, and affordable solutions for vehicles, machines, traffic, and transportation. In 2022, Continental generated sales of •39.4 billion and currently employs around 200,000 people in 57 countries and markets. **Visit: www.continental.com**

Shyam Steel Receives Prestigious GreenPro Certification

A milestone in sustainable steel production

Shyam Steel, a pioneering force in the TMT Bar industry, proudly announced its latest achievement: the prestigious GreenPro Certification awarded by the Confederation of Indian Industries – Green Products and Services Council for its products, Fe 500D (GPSSM345002) and Fe 550D (GPSSM345001). This significant recognition underscores Shyam Steel's unwavering commitment to sustainability and the delivery of superior-quality products.

Manufactured meticulously at the Angadpur plant in West Bengal, Fe 500D (GPSSM345002) and at the Mejia plant in West Bengal, Fe 550D (GPSSM345001) have surpassed the stringent criteria set by the GreenPro Certification. This achievement solidifies Shyam Steel's dedication to not only meet but surpass the rigorous environmental standards established by the CII-Green Products and Services Council.

Mr. Lalit Beriwalla, Director of Shyam Steel Industries, stated, "The attainment of the esteemed GreenPro Certification marks a momentous achievement for Shyam Steel. It underscores our commitment to producing environmentally responsible steel products. This recognition reinforces our dedication to surpassing stringent environmental standards while delivering superior-quality products." The steel industry faces mounting pressure to adopt green practices, evident in certifications like the GreenPro Certification recently awarded to Shyam Steel by the CII-Green Products and Services Council. Mr. Beriwalla further emphasized, stating, "The trajectory toward green steel isn't a matter of if, but when. Governments worldwide are intensely focused on lowering carbon emissions, leading to the emergence of carbon markets and frameworks."

This certification underlines the company's commitment to environmentally sustainable manufacturing practices. Fe 550D and Fe 500D represent pivotal steps towards a sustainable future. In aligning with the high environmental benchmarks set by the CII-Green Products and Services Council, these products significantly contribute to building a greener, more sustainable world while ensuring the highest quality for customers. Advocating policy measures to support green steel, Shyam Steel emphasizes the importance of incentives for technologies generating carbon credits. The company eyes investments in novel steelmaking technologies like solar and hydrogen-based methods to reduce production costs and enhance sustainability.

While immediate consumer demand for green steel in In-



(2nd from left) Mr Harish Kumar Gupta, Assistant General Manager, Corporate affairs, Shyam Steel and Mr Vishnu Mohan, Assistant General Manager, Brands, Shyam Steel receiving the GreenPro Award from Mr Unnikrishnan - Chairman, Green Products and Services Council and Managing Director, Saint Gobain India Pvt Limited; Mr Mahesh Anand, Co-Chair, IGBC Chennai Chapter, President, Decorative Business, Nippon Paints India Pvt Limited; Dr Jayanthi M, I.F.S. Ph.D. Agri Eco, Chairperson, Tamilnadu Pollution Control Board, at the Annual Green Building Congress 2023 at the Chennai Trade Centre, Chennai, Tamil Nadu in the presence of other dignitaries.

dia remains limited, Shyam Steel, a company with experience of over seven decades in the business, anticipates a shift towards institutional demand in the future. The Steel Ministry's exploration of government procurement for green steel signals a potential shift, necessitating adequate financing support. Regarding India's stance in global debates like Carbon Border Adjustment Mechanism (CBAM) in Europe, Shyam Steel supports investments in green assets while seeking financing from developed nations to bolster green energy initiatives.

Shyam Steel remains committed to sustainability as an integral part of its ethos. This achievement reinforces the company's ongoing dedication to innovation and eco-friendly practices within the steel manufacturing sector. The continuous efforts remain focused on developing products that not only meet the highest industry standards but also significantly reduce the environmental footprint.

About Shyam Steel:

Shyam Steel is a trailblazing TMT Bar manufacturer in India with a 70-year legacy. Guided by a commitment to produce safe and sustainable steel, Shyam Steel has emerged as a prominent and multi-product steel organization known for quality, innovation, and dedication. It has recently achieved the esteemed GreenPro Certification con-

ferred by the CII-Green Products and Services Council for its products, Fe 500D and Fe 550D. The company's diverse range of products caters to various sectors, including government bodies, infrastructure projects, and individual consumers. Shyam Steel is associated with re-

nowned personalities like Virat Kohli, Anushka Sharma, and Vijay Devarakonda. The company's corporate social responsibility initiatives focus on education, poverty alleviation, gender equality, hunger eradication, and environmental conservation.

Shri Vivek Kumar Dewangan, CMD, REC Limited, honoured with 'Most Sustainable Maharatna Leader' Award at World Sustainability Congress

In recognition of his remarkable leadership in Sustainability initiatives, Shri Vivek Kumar Dewangan, CMD, REC Limited, was conferred with the 'Most Sustainable Maharatna Leader' award at the World Sustainability Congress held in Mauritius on December 12, 2023.

The award was received on behalf of Shri Vivek Kumar Dewangan, Executive Director Mrs. Taruna Gupta and Chief General Manager Shri R Anbalagan received the award. The award is conferred on individuals & organizations who are doing exemplary work and based on track record of their achievements. The award was presented by Mr. Doumeraj Jahajeeah, Director Technical Services, Ministry of Energy & Public Utilities, Mauritius and Mr. Jabir Udhin, Head, Governance, Economic Development Board, Mauritius.

In response to this esteemed recognition, Shri Vivek Kumar Dewangan conveyed his heartfelt appreciation and said, "It is an absolute moment of pride and honour to receive such an esteemed award on a global platform. I believe it is a recognition of the teamwork at REC. Therefore, I would like to extend my deepest gratitude to all the members of REC for this achievement. REC stays strong in its commitment to positively impact the environment and be sustainable towards the environment and

society. I congratulate you all."

Under the discerning leadership of Shri Dewangan, REC has been conferred with the Maharatna status and also diversified into the non-power infrastructure & logistics sector and is poised to play a key role in the power sector's transformational journey in the country. Shri Dewangan had also been conferred with the prestigious 'The Most Promising Business Leaders of Asia' award at the Economic Times Asian Business Leaders Conclave 2022-23 in March 2023.

About REC Limited:

REC Limited, a Maharatna CPSE established in 1969, under Ministry of Power, provides long term loans and other finance products for Power-Infrastructure sector comprising of Generation, Transmission, Distribution, Renewable Energy and new technologies like Electric Vehicles, Battery Storage, Green Hydrogen etc. More recently REC has also diversified into the Non-Power Infrastructure sector comprising of Roads & Expressways, Metro Rail, Airports, IT Communication, Social & Commercial Infrastructure (Educational Institution, Hospitals), Ports and Electro-Mechanical (E&M) works in respect of various other sectors like Steel, Refinery, etc. The loan book of REC exceeds Rs 4.74 Lakh Crore.

Special Section - March 2024

Cables, Wires, Connectors, Control Panels, Transformers, Switchgears & Welding Equipment

Empire Cables: Meeting the Vast Demands of the Customers Globally

The company reflects its mission of delivering good quality wires & cables, which justifies the 'We Care for You' motto for its customers

*by Mr Rajesh Aggarwal, Chairman,
Empire Cable Industries Pvt Ltd*

Cables play an indispensable role in the electrical and electronic industries. They empower today's societies and thus, it is extremely important for a country to become self-reliant in the production of quality wires and cables. In India, the wire and cable market is expected to be driven by various factors such as the inclination towards renewable energy and the rollout of 5G and 6G technologies. Empire Cables is now having headquarters in the Middle East and Africa (MEA) region in order to represent 'Made-in-India' products globally.

Empire Cables is tapping this market growth by offering a multi-faceted range of wires and cables such as XLPE cables, Power cables, and Control cables, Domestic wires and FRLS wires. Empire Cables has successfully completed 55 years of its operation and has established quality PVC wires and cables. Since 1970, it has established itself as a quality manufacturer with a complete range of low-tension cables, which are certified by the top accredited labs in India.

Safety and customer service is our primary concern. Our motto is 'We Care for You'. All our cables carry ISI certification marks. An ISO 9001: 2015 and ISO 14001: 2015 certified company, Empire Cables has been able to establish a sound network of distributors and dealers to ensure good pre- and post-sales services to our valued customers at very good prices. Empire Cables export the same quality cables globally through our overseas head office in Dubai, which handles the export globally.



Empire Cables has strongly entrenched itself as a quality manufacturer of specialty electrical wires and cables for a variety of applications. Our broad manufacturing and design experience enable us to deliver products tailored to specific applications. Major sectors include Agriculture, Refineries, Railways, Power plants/Transmission, Automobiles, Elevators and Appliances. Our products are used exclusively in different departments like Bharat Heavy Electricals Ltd, NHPC Ltd, NTPC Ltd, Power Grid Corporation of India Ltd, etc.

Quality Control Management: We aim to be a leader in the wire and cable industry by developing new product



Mr Rajesh Aggarwal

innovations that feature the best quality casting and have an international repute. The quality control team at Empire Cables has made it possible for the company to scale new avenues and heights. The rigorous quality control practices followed in our company have shaped our name as one of the most trusted wires and cables brands in India and abroad. The Company

has a well-equipped modern laboratory with highly-qualified staff. The wires and cables are tested at every stage of production and supervised by well qualified and experienced



engineers to earn a reputation for quality, reliability, and durability. Thus, Empire deliver the best quality products at the best prices so as to satisfy the customers who make Empire Cables the most trusted and reliable cable company amongst the customers.

New Development: Through this platform, the Company would like to announce that they will soon launch their wide variety of Fans and a range of MCBs globally.

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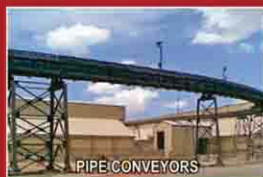
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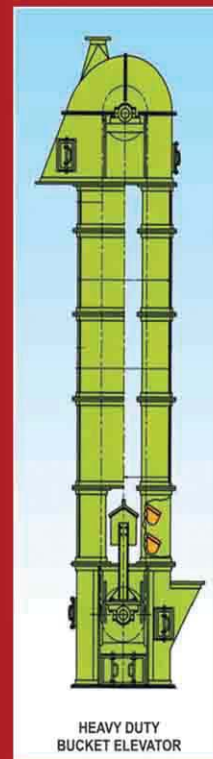
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