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Foundry Equipment, Casting, Forging
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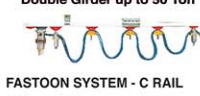
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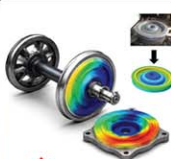
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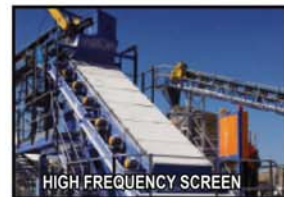
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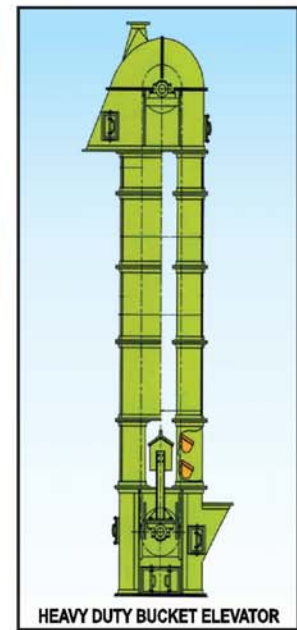
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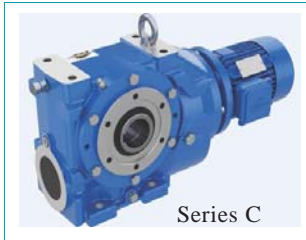
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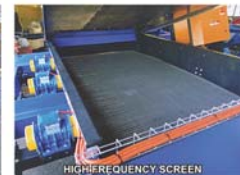


HIGH FREQUENCY SCREEN

- Ma's Esteemed Customers**
- Arcelor Mittal, Units: Newcastle Works / Leppan Collier / Prtoria Works / Van der Bij Park Works
 - De Beers Units: Jwaneng / Finsch Mine / Koffiefontein / Kimberley
 - Harco Richardsbay Units / Middleburg / India
 - Nirma Ltd. (Sichivnyak Cement)
 - Pak Energy, Unit: Jamshoro Pakistan
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 - Ballastner's Quarry - Ireland
 - Blackwattle Colliery
 - Chrombrosne Chrome Mine
 - Forbes Coal - Bow Buffalo Coal
 - Impala Platinum
 - Middleburg Consolidated Mine
 - Palmira Units - Santiago Chile
 - Sand Feeds / ICI'S
 - Silicon Smelters
 - Woestlaenen Colliery



RESONANCE SCREEN



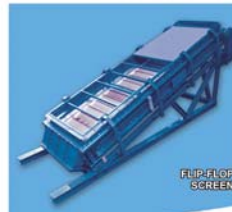
HIGH FREQUENCY SCREEN



BRUTE FORCE SCREEN



HIGH FREQUENCY SCREEN



FLIP-FLOP SCREEN



VIBRATING GRIZZLEY

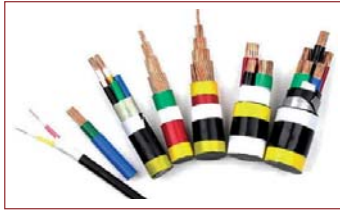
IN COLLABORATION WITH
MAGS ENGINEERING CO
 Patent No. F201108546 SOUTH AFRICA

20, Community Centre, Mayapuri, Phase-I, New Delhi-110064. Tel: +91-11-2611 5453, 2611 5745, 2611 3383
 E-mail: masyc@masycproject.com Website: www.masycproject.com



Control Cables

Empire Cable Industries supplies Control Cables that are used for control circuits in power plants and other similar industrial installations and signaling network of railways, with or without FR/FRLs properties in sizes normally up to 61 cores. Voltage grade is 650/1100 V (U0/U); and provided with ISI marking against IS 1554 (Pt-1). The cables conforming to standard specifications like IS 1554 (Pt-1), BS 6346, IEC 227, etc. Configuration: Multi-core/Multi-pair. Construction: Conductor – solid/stranded, circular annealed, bare/tinned copper wire of 1.5 sq mm, 4.0 sq mm. Insulation is PVC, and fully color coded cores. Core identification by printed numerals/letters is also available on request. Screening by copper braid or aluminium mylar tape of aluminium wire for reinforced armour types. Drain Wire of solid/stranded, bare/tinned copper wire normally provided. Mechanical protection: Galvanized steel wire or strip for double helical steel tape armour; Inner and outer sheath.



Contact:

Empire Cable Industries (P) Ltd
Plot No: 115, Badli Indl Area, Phase-2, Delhi 110 042
☎ 011 – 2387 4632 • E-mail: empirecables@yahoo.co.in

Single Output Linear DC Power Supply Model KM-PS-602F

Kusam-Meco offers new Single Output Linear DC Power Supply Model KM-PS-602F with output of 0 ~ 60 V DC and Output Current rating 0 ~ 2 A and 0 ~ 5 A. Its Features are: Single channel output; 4-digit LCD; Voltage resolution is 0.01 V and for current, the resolution is 0.001 A. It has Automatic Crossover between Constant Voltage (CV) and Constant Current (CC) modes; Low ripple and noise output; Response time is <math><10\text{ ms}</math>; Input surge protection. The Power Supply is fitted with temperature controlled fan, adjusts speed based on load; Over voltage protection, over current protection, and over temperature / short circuit protection. In CV mode the voltage regulation is <math><0.1\% + 3\text{ mV}</math> and load regulation is <math><0.5\% + 3\text{ mV}</math>. The ripple and noise <math><1\text{ mV}_{\text{rms}}</math>. In CC mode the voltage regulation is <math><0.2\% + 3\text{ mV}</math> and load regulation <math><0.5\% + 3\text{ mV}</math>. The display accuracy is $0.5\% + 2\text{ counts}$. The instrument weighs 4.75 kg. (Approx.); and is supplied with Manual, Power Cord, and Output Cable.



Contact:

Kusam Electrical Industries Ltd
Shop 18, 1st Flr, CIDCO Shopping Centre, Sector-7, Plot 9
Rajiv Gandhi Marg, Sanpada, Navi Mumbai 400 705
Mob: 98676 75093 / 98674 88006
E-mail: sales@kusam-meco.co.in

Metal Tube Rotameter with Digital Flow Indication & Transmitting Output

FITZER® Metal Tube Rotameter with Digital LCD/LED Flow Indication and Transmitter Output is specially designed for Process industries to measure the flow rate and total quantity of Liquid or Gases under Critical Condition. This Rotameter finds application particularly for fluid with high temperature, pre-ssure and can also be used for opaque liquid, whenever the visibility of Float is observed. Features: Compact and Long Terms reliability; Rugged and corrosive environmental construction; Custom-built, construction, ranges and process connection; Individual calibration for high accuracy; Simple mechanism and thus maintenance free; Easy to clean – no calibration disturb; 2-Wire Linear transmitting output; Digital flow indicator totalizer unit with adjustable alarm set point; With weatherproof-flameproof enclosure. User Areas: In process of Chemicals, Pharmaceuticals, Dairy, Oil and Food Industries, Petrochemicals, Fertilizer, Effluent Water Treatment Plants and many uses where Accurate Flow Measurement required in Process and Engineering Industries.



Contact:

Fitzer Instruments Company (India)
Atali, Nr: Ambivli Station (W), PO: Mohone
Tal: Kalyan, Dist: Thane, Maharashtra 421 102
Mob: 86918 16354 / 86918 16356
E-mail: fitzerindia@hotmail.com

Moving Type Annealing Cum Ageing Furnace

Precision Controls offers Moving Type Annealing Cum Ageing Furnace. Features: Stationary base with moving type furnaces; Batch capacity depends upon customer requirement; Annealing and Ageing of aluminium alloys; Charge material – aluminium wires, Bobbin and drums; Maximum temperature up to 600°C; Cost-effective; Optimum space utilization; Optimum operating cost; and Easy mechanized loading of bobbins for second and third tier. The Company's products range includes: Composite Curing Ovens, Transformer Core Annealing Furnaces, Bogie Hearth Heat Treatment Furnaces, Rotary Furnaces, Bell Annealing Furnaces – Electrical/Gas, etc.



Contact:

Precision Controls
No: 124, SIDCO Industrial Estate, Ambattur, Chennai 600 098
☎ 044 – 6134 4200 / 6134 4250 • Mob: 98409 30370
E-mail: info@precons.in

Steam Boilers (IBR)

Heatex Industries Ltd, an ISO 9001: 2015 ISO 14001: 2015 and ISO 45001: 2018 Certified Company offers a range of Steam Boilers (IBR) – Oil/Gas Fired Package Type Steam Boiler. Capacity: 0.5 TPH up to 50 TPH; Pressure: Up to 25 bar; Fuel: HSD/LDO/Furnace Oil/Natural Gas/LPG/Syn Gas. D-Type Steam Boiler (IBR) – Capacity: 5 TPH up to 100 TPH; Pressure: Up to 100 bar; Fuel: HSD/LDO/Furnace Oil/Natural Gas/LPG. Solid Fuel Fired Package Type Steam Boiler (IBR) - Capacity: 0.5 TPH up to 8 TPH; Pressure: Up to 25 bar; Fuel: Coal/Lignite/Wood//Briquette/Husk. Water Cum Smoke Tube Type Steam Boiler (IBR) - Capacity: 1 TPH up to 30 TPH; Pressure: Up to 32 bar; Fuel: Coal/Lignite/Wood/Pet Coke/Husk/Bagasse/Briquette. Also offers Oil/Gas Fired Thermic Fluid Heat Heater; Vertical Heater, Solid Fuel-Fired Thermic Fluid Heater, etc.



Contact:

Heatex Industries Limited

Block No: 436, Opp: T M Patel Processors

B/h: Kesari Nandan Petrol Pump, Palsana Chowkdi

Palsana, Surat, Gujarat 394 315

☎ 02622 – 265 430 / 265 4346 • E-mail: heatexindustries.com

Oil/Gaspac Boiler

CBL Oil/Gaspac is a three pass, wetback, fully packaged boiler designed to deliver high combustion and thermal efficiencies. Its superior design features: 100% skid mounted plug and play boiler up to 35 TPH; Liberally size furnace helps in achieving higher combustion efficiency and longer life of boiler; Higher heating surface area/low exit gas temperature ensures longer life of boiler; High dryness fraction of steam increases usable heat; Mono block/Dual block burner options available; Large water holding capacity; Automation options for water flow, steam flow and water level are available as optional. Cheema Boilers other products range include: CPP/IPP Power Boilers – Atmospheric Fluidized Bed Combustion Boiler (AFBC), Travelling Grate/Dumping Grate/Pulsating Grate/Reciprocating Grade/Water Cooled Vibrating Grate Boiler; Waste Heat Recovery Boiler (WHRB), Stop/Vinasse Fired Boiler. Process Industrial Boilers: Hypac–AFBC; Energypac–Grate Fired; Energypac Plus; Effypac–Manual/Auto Fired; and Spares for Boilers.



Contact:

Cheema Boilers Limited

D188, Sector 74, Mohali, Punjab 160 071

☎ 0172 – 509 0487 / 505 5666

E-mail: marketing@cheemaboilers.com

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For Spare Part Inquiry : (M) : +91 - 98255 12611 | Email : nilesh.bhavsar@patelshotblasting.com



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Tool Steel for Hot & Warm Forging

Sunflag Iron & Steel Co Ltd is a leading integrated steel plant with an installed capacity of 0.6 million MT per annum. The Company supplies across a multitude of industries like Automotive, Bearings, Railways, Nuclear, Defense, Aerospace, Power Generation and so on. Hammer Forging: Sunflag's range of DIN1.2714 (DB6/55NiCrMoV7) is best suited for Flanges, Gear Blanks, Shafts, Crown Wheels, Rings, Spindles, Fittings and so on. In-house H&T ensures uniform hardness across inserts and die blocks, resulting in higher shots per die and lower downtime. Available in both Rounds and Blocks. Press Forging: The H11 (1.2344) and H13 (1.2344) are ideal for large batch sizes of complex automotive and engineering components. H13 dies can be used for both high speed forging and precision forging. Bearing Rings, Crankshafts, Camshafts, Con rods, Spiders, Yokes, Wheel Hubs, Bevel Gears, and so on. Available in both Rounds and Blocks.



Contacts:

Sunflag Iron & Steel Co Ltd
33/1 Mount Road, Sadar, Nagpur, Maharashtra 440 001
☎ 0712 – 252 4661 / 253 2901 • Mob: 93232 21481
E-mail: chanda@sunflagsteel.com

Packaged Type MAX-DH Series IBR Steam Boiler

Maxima manufactures Packaged Type MAX-DH Series Solid Fuel – Drop Feeding (Three Pass Smoke Tube IBR Steam Boiler). Capacity: 0.6 TPH to 8 TPH (F&A) 100°C; Working Pressure: 10.54/14.50/17.5/21.00 kg/cm² and above; Fuel: Coal/Bagasse/Rice Husk/Agrowaste (Briquettes); Thermal Efficiency: 75 ±2% on NCV, 82 ±% on NCV with HRU; Furnace: Single Furnace (Internal Furnace); Heat Recovery Unit: Economizer, Air Preheater; Feeding: Drop Feeding/Automatic. The Company's products range includes: IBR and Non-IBR Steam Boilers, Thermic Fluid Heaters, Boiler Accessories, Hot Water Generators, Waste Heat Recovery Boilers, Steam Generators, and Allied Equipment.

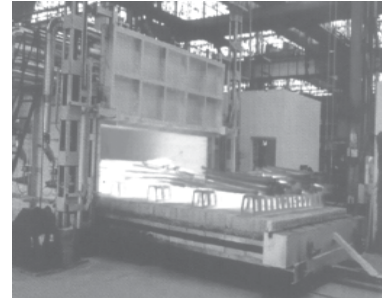


Contact:

Maxima Boilers Pvt Ltd
R-718, Road No 19, TTC Industrial Area
MIDC Indl Area Rabale, Navi Mumbai 400 701
☎ 022 – 2561 2759 • E-mail: sales@maximaboiler.com

Bogie Hearth Heat Treatment Furnace

Precision Controls offers Bogie Hearth Heat Treatment Furnace. Its Salient Features: Batch capacity up to 300 MT; Maximum temperature up to 1150°C; Gas fired options; Better combustion efficiency; Auto operation through PLC and SCADA; Close temperature control accuracy; Suitable for annealing, normalizing, tempering and stress relieving of heavy engineering components like boiler parts, steel rolls, forged and cast parts, etc; Meeting IBR requirement for the heat treatment of high pressure Boiler parts. The Company's Industrial Furnace range includes: Electric And Gas Fired Bell Type Spheroidized Annealing Furnaces; Continuous Hardening And Tempering Furnaces Line; Bell Type Bar Annealing Furnaces; Electric And Gas Fired Bogie Hearth Furnaces; Drop Bottom Quench Furnaces For Solution Annealing Of Aluminium Alloy; Pit Furnaces; Continuous Roller Hearth Furnaces; Rotary Tube Furnaces; Gas Fired Reheating And Heat Treatment Furnaces; Box And Bogie Type Aluminium Homogenizing Furnace, Thermal Stability Furnaces, And Modular Furnaces. Also offers Industrial Ovens like Composite Curing Ovens; Ageing Ovens; Continuous mesh belt conveyor type Dacro coating Ovens; Continuous mesh belt conveyor type Hydrogen De-embrittlement Ovens. Special Equipments like Autoclave machines, Vacuum Chambers, Billet Heating Furnaces, and Charging machines.



Contact:

Precision Controls
No: 424, SIDCO Industrial Estate, Ambattur, Chennai 600 098
☎ 044 – 6134 4200, 6134 4250 • Mob: 98409 30370
E-mail: infor@precons.in

Leak Testing Machine

Kanwal Enterprises offers a wide range of leak testing machine. The features are: This Leak Test Machine is of superior quality and known for its high-performance, durable construction, reliability, low maintenance need, hassle-free performance and long running life; being trustworthy leak tester machine manufacturers, suppliers, and exporters, they provide this product at a competitive market price that not only fit into their budget but also satisfy demand in a best possible way. The company established in 1995, is a manufacturer and exporter of high caliber filter making machines for application in the filter manufacturing industry.

Contact:

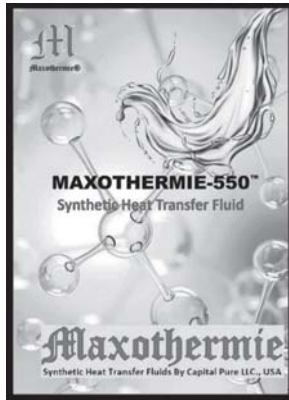
Kanwal Enterprises
Khasra No. 4348/67, Fatak Industrial Area
Near Bharat Properties, Shastri Nagar Industrial Area
Daulatabad, Gurugram, Haryana 122 006
Mob: 98102 71423, 98180 77225
E-mail: info@filtermachinesindia.com

Maxothermie® Heat Transfer Fluids

Nirmal Energy offers Maxothermie® Heat Transfer Fluids. The Power of Efficient Heat Management! Whether you are working in high-temperature or low-temperature environments, Maxothermie®-550 Maxothermie®-600; Maxothermie®-660; Maxothermie®-VPI; and Maxothermie®-FP are designed to offer exceptional thermal stability and performance. Here's why Maxothermie is the preferred choice for industries around the globe: Superior Thermal Efficiency: Maxothermie fluids are engineered to deliver optimal heat transfer efficiency, minimizing energy consumption and maximizing system performance. With Maxothermie-550 and Maxothermie-660, you can maintain precise temperature control even in the most demanding applications. Wide Operating Range: Maxothermie range of heat transfer fluids are designed to perform across a broad temperature range, ensuring stability in extreme conditions. From -40°C to 400°C, you can rely on these fluids to meet your specific process temperature requirements. Enhanced Stability: Maxothermie fluids are formulated with advanced chemical compositions that provide excellent oxidation and thermal stability. This reduces the risk of system fouling, ensuring longer fluid life and reducing the need for frequent maintenance. Varied Heating Applications: Ideal for a variety of industries such as Chemicals, Textiles, Polyester, Plastics, Pharmaceuticals, and Energy so on. Maxothermie fluids support a wide range of applications, including heating, cooling, and temperature control in both closed and open systems. Environmentally Friendly: Non-toxic, non-flammable, and free of harmful components, making them safer for both workers and the environment. Key Features and Benefits: High oxidation and thermal stability; Excellent Heat Transfer Co-efficient and efficiency; Wide temperature range for versatile applications; Miscible/Mixable with any good mineral or synthetic thermic fluids; Reduced maintenance costs; Longer fluid lifespan; Eco-friendly and safe for the environment; Expert advice on systems and solutions. Upgrade your heat transfer system with Maxothermie and experience top-tier performance. Say goodbye to inefficiencies and costly maintenance – choose the fluid that powers your process efficiently and safely! Nirmal Energy is looking for experienced dealers with strong local market access, application knowledge, and strong financial capacity to stock and sell, and sales and marketing of Maxothermie range of products across industrial hubs of India.

Contact:

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



Inline Electromagnetic Flow/BTU Meter

Mial Instruments Pvt Ltd offers MEF 2100 Series Inline Electromagnetic flow and BTU meters, designed for accurate measurement of fluid flow and energy measurements in a variety of applications. This product is versatile, suitable for use in sectors including HVAC, water management, and industrial processes. Each BTU Meter comes with highly accurate PT 1000 temperature sensors and is calibrated to ensure precision for your specific application needs. Ideal for ensuring efficiency and reliability in your operations, the meters are backed by detailed calibration certificates. Features: Non-intrusive measurement; Wide flow range; Accurate and reliable measurements; Bi-directional flow measurements; Wide fluid compatibility; Digital communication capabilities; and Low maintenance requirements.



Contact:

Mial Instruments Pvt Ltd
856/6 GIDC, Makarpura, Vadodara, Gujarat 390 010
☎ 0265 – 350 8597 • Mob: 99134 49547 / 99134 49548
E-mail: info@mialinstruments.com

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- BAROMETER
- VACCUUM MANOMETER
- PRESSURE SWITCHES

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- GLASS TUBE / ACRYLIC ROTAMETERS
- METAL TUBE ROTAMETER WITH TRANSMITTER / FLOW INDICATOR TOTALIZER
- 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

FITZER INSTRUMENTS COMPANY (INDIA) ® Regd. Correspondence Address:
 Atali, Near Ambivali Stn. (W), P.O. Mohone, Tal. Kalyan, Dist. Thane-421 102
 Mobile: 8691816354 / 8691816355 / 8691816356 / 9426470248
 E-mail: fitzerindia@hotmail.com / fitzergujarat@rediffmail.com

Dealership Enquiries Solicited
Website: www.fitzerindia.com

Abrasive Blast Machine

Blastline India offers a wide range of portable blasting machines that are designed to cope with all types of outdoor blasting environments. Tried and tested throughout the world, Blastline range of blast machines combines rugged efficient operation with maximum site safety. Model BL-20300 (Pix, left) is ideal for medium contractors. Blast time of approx.35-40 minutes, Abrasive capacity: 190 kg. Specification – Capacity: 100 ltr; Height: 1061 mm; Diameter: 508 mm. The BL-24650 is ideal for professional contractors in shipyards, Oil refineries, Gas and heavy fabrication industries. Blast time is approx. 45-50 minutes. Abrasive Capacity: 380 kg. Specifications – Capacity: 200 ltr; Height: 1346 mm; Diameter: 610 mm. Blastline also offers products such as: Abrasive Metering Valves, Airless Paint Spray Machines, Airless Paint Spray Hose, Painting Guns, Accessories, Air Cooled Aftercooler, Air Receivers, Blast System Package, Blast System Setup, Hose and Couplings, Ventilation Systems, Remote Control Valve, Blast Abrasives, Bristle Blasters, etc.

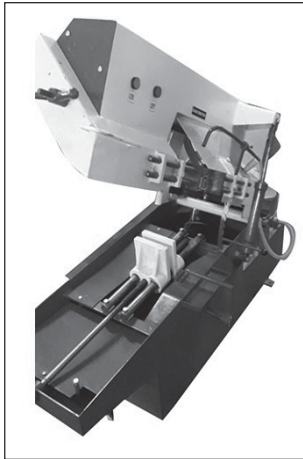


Contact:

Blastline India Private Limited
Blastline Corporate Chambers, Pottakuzhy
Elamakkara PO, Kochi, Kerala 682 026
☎ 0484 – 253 7375 • Mob: 95620 11088
E-mail: info@blastlineindia.com

Bandsaw Machine

Sachkhand Machine Tools offers a wide range of Bandsaw Machine. The features are: this machine is typically employed in industries for cutting and grinding applications. It is a precision and technical sound industrial machine; having rugged construction and the capability of enduring tough conditions including impacts, heavy loads, and rust, this is sure to last for an extended period of time. The company are one of the reputed manufacturer of extra heavy duty lathe machine, planner, radial drill, shapers, hacksaw, surface grinder, vertical turning machine, casting, etc.

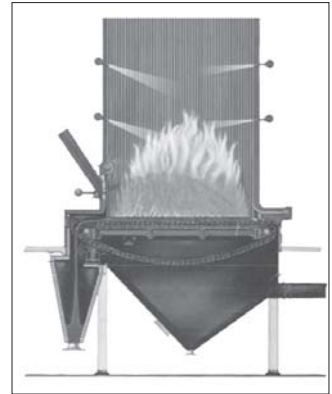


Contact:

Sachkhand Machine Tools
Byepass Road, Near Golden Palm Palace
Gurdaspur, Batala, Punjab 143 505
Mob: 80717 92033
E-mail: sachkhandworkshop@gmail.com

Grate Boiler

Rajdeep Boiler Private Limited offers Travelling/Dumping/Reciprocating Grate Boilers. These come with fuel flexibility, low maintenance and maximum operating availability. Their features are: a system designed to deliver continuous discharge of ash; bi-drum/single drum, natural circulation, top supported with tall furnace design for sta-ge-d/complete combustion; 2-stage/3-stage super heater with inter-stage spray attemperator; grate driven by hydraulic/pneumatic drives, ev-en fuel distribution on the grate ensuring better combustion and optional boiler-turbine-generator packages offered on case-to-case basis. The company is one of India's premier engineering organizations, and a major player in providing steam generation solutions for process and power needs.



Contact:

Rajdeep Boiler Private Limited
I/17-18-19, Road No: 6(I/A), GIDC Sachin
Surat, Gujarat 394 230
Mob: 90998 98985
E-mail: info@rajdeepboiler.co.in

Electric Holding Furnace

Entec Industrial Furnaces Private Limited offers Electric Holding Furnace. Entec is one of the prominent Electric Holding Furnace manufacturers, suppliers, and exporters. This furnace is widely used in pressure die casting auto part components; in the copper holding, aluminium holding or brass holding industries. The Company is having its own in-house manufacturing facility, which helps to give special attention to the quality of the product; and utilizes only the best and quality approved raw materials and advanced technology while manufacturing complete range of furnaces. Additionally, it also checks products on various qualities measured to ensure its actual performance, durability, and perfect finishing, high-productivity and long life. Features are: durable in nature; superb finishing; high-productivity; long working life; smooth and trouble-free performance; consumes less power; low running costs; and a compact and user-friendly product.

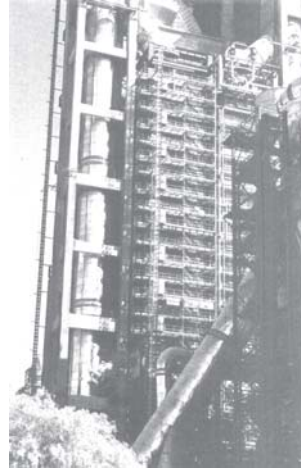


Contact:

Entec Industrial Furnaces Private Limited
Plot No: 3, Block-R, FIT, Sector 57
Faridabad, Haryana 121 004
Mob: 98100 05354 • E-mail: info@entecfurnaces.com

Cement Waste Heat Recovery Boiler

ISGEC Heavy Engineering Ltd offers Cement Waste Heat Recovery Boiler. Features: Indigenously developed Waste Heat Recovery Boilers for Pre-Hater (PH) and Air Quenching Cooler (AQC); WHR Boilers are designed based on plant capacity and for utilizing maximum available heat; WHR Boilers configuration – Vertical; Inline design configuration for ease of maintenance and lesser downtime; Innovative solution offered thru latest developments in design tools/Updated engineering practice/Advanced manufacturing methodologies; Design to meet the gas side pressure drops and air ingress has impact on cross section and casing configuration; Improved sealing arrangement at hammering points and headers piercing casing to prevent air ingress; Protection of pressure parts from erosion by providing erosion protection sleeves/baffles over plain surfaces and selecting finned tubes for AQC. Advantages: Green Power Generation; Low-Cost Energy; High Return Rates; Lower Operating Cost; Turnkey Solutions; High Efficiency; Low Maintenance cost. Other applications based WHRB's: Sinter Cooler, Glass Furnace; Petrochemical; MSW Combustor; Heat Recovery from Incinerator Plants (Solid/Liquid/Gaseous); Gas/Diesel Engine Exhaust.



Contact:

ISGEC Heavy Engineering Ltd
A-4, Sector 24, Noida, Uttar Pradesh 201 301
Mob: 98102 56166 / 98105 13340
E-mail: boilersales@isgec.co.in

Solar PV Modules

Novasys specializes in manufacturing high efficiency Solar PV modules using advanced Mono PERC and Bifacial technology; offers clients the full spectrum of photovoltaic solar products, applications, solutions and services, from small domestic systems to the large industrial projects. The Alpha Plus Series: MBB, M10 Mono PERC Half Cut Modules 144 Cells from 525 Wp - Up to 550 Wp offered by the Company has features like: Latest Technology MBB, M10 half cut modules providing higher output and high reliability; Better performance under low light and high temperature; Lower temperature coefficient; Ideal for Commercial, Residential, Industrial and Institutional Projects; Resistant to PID, LID and Salt-Mist/Ammonia corrosion; 25 years warranty of 85% power output.

Contact:

Novasys Greenergy Pvt Ltd
Khasra No: 185, Mauza: Mahalgaon, Tah: Kamptee
Dist: Nagpur, Maharashtra 441 214
Mob: 74000 83000 • E-mail: info@novasysgreen.com

Castings

Orange City Alloys Pvt Ltd is a leading manufacturer of Steel Castings, Alloy Steel Castings and Dies and Moulds. The Company manufactures Castings in all grades as per

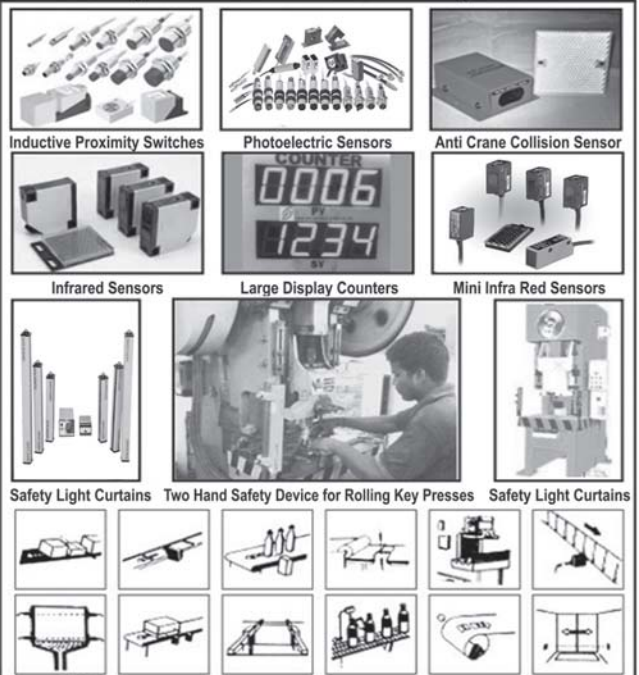


national and international standards. The Casting products includes: Core Housing 4800 kg; Cavity Housing 4500 kg; EJ-Box 2300 kg; Mill Stand 2900 kg; Gear 17000 kg; Top Body 6300 kg, etc. Plain Carbon Steel, High Alloy Steel, Manganese Steel; Heat Resistant Cast Steel. Capacity and Products Range: 600 MT/month; 200 kg to 23000 kg single piece of casting.

Contact:

Orange City Alloys Pvt Ltd
215 Small Factory Area, Wardman Nagar
Nagpur, Maharashtra 440 008
☎ 0712 – 276 2802, 276 0589
E-mail: enquiry@orangecityalloys.com

SENSORS, SAFETY LIGHT CURTAIN, COUNTERS



Photon Controls (India) Pvt. Ltd
 Plot No.C 10/1, Gala No.54, NICE INDL. ESTATE,
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 Telefax: (0253) 2355498, 2352760 • Mob: 093739 07348
 E-mail: marketing@photoncontrols.com / mukund@photoncontrols.com
 Website: www.photoncontrols.com

Furnace APM Series 1200°C/1400°C – Front Loading Model

Cintex Industrial Corporation offers Furnace APM Series 1200°C/1400°C – Front Loading Model. Features: Double walled in construction Inner made of Ceramic board bricks and Exterior made of GI sheet duly finish in powder coated shade in Regular Model; Outer SS 304 Matt/ Buff finish in GMP Model; The high grade Vacuum pressed board and Cerawool Insulation with blanket is provided in between the walls to minimize the heat loss; The Temperature is being controlled by Microprocessor Based PID Temperature Controller with Dual Digital Indicator and CR/AL or PT PT RH Sensor; The control system is incorporated with Solid-State Fuse to protect the Heating element in case of overshoot of Temperature; Exhaust fan is provided for extraction of oxidizing gases which occur during the burning and homogenous heating; A sturdy mechanism and alignment is provided for insulated door having easy opening and closing; Limit switch is provided to disconnect heater supply automatically when door is open.



Contact:

Cintex Industrial Corporation
242 Jay Gopal Indl Estate, 510 Bhavani Shankar Cross Rd
Dadar (West), Mumbai 400 028
☎ 022 – 2422 0889 • Mob: 98201 11100
E-mail: cintexindia@gmail.com

Forged Brass Air Release Valve

Zoloto Industries offers Forged Brass Air Release Valve. Salient Features: Screwed male end as per IS 554/BS21/ISO7; Chrome plated forged brass body and cover; Full bore; Sleek in design, ease of installation; Handy device used to release entrapped air in any piping system; Smooth inner valves reduce pressure loss; Maintains system flow efficiency; Brilliant aesthetic look; and Ergonomic design.



Contact:

Zoloto Industries
Zoloto House, 11th Milestone, Lambra, Nakodar Road
Jalandhar, Punjab 144 026
☎ 0181 – 467 6666 E-mail: sales@zolotovalves.com

Cooling Conveyor

Febtech's Cooling Conveyor delivers fast, mist-free cooling for hot die castings, replacing water quench systems while improving safety, reducing cool-down time, and integrating smoothly into any production line. Key Features: Integrated PLC-HMI control system for streamlined operation and real-time monitoring; Mist-free forced air cooling process for cleaner and more efficiency heat management; Automated casting Ok/Reject detection system for reliable in-line quality control; High-capacity cooling fans provide improved airflow and precise temperature regulation. Febtech Industries is a leading manufacturer of die casting machine automation peripherals for over a decade, has specialized in the design, manufacturing, and supply of innovative die casting solutions and spare parts to customers worldwide. At Febtech Industries, a team of expert engineers combines cutting-edge technology with robust quality control to deliver advanced, high-precision die casting equipment. By continuously enhancing its manufacturing processes and sourcing high-quality components, the Company creates premium automated solutions known for their durability, efficiency, and reliability. Its peripherals meet the highest quality standards, as reflected by its ISO 9000-2015 and CE certifications. Febtech's Specialities: Die casting, Machine manufacturing, Aluminium foundry, Auto Ladle, Servo Sprayer, Automatic Extractor, Die Coat Auto Mixing, Auto Die Clamping, Metal Transfer Ladle, Shot Sleeves, Release Agent, Ejector Pins, Plunger Lubrication Unit, Density Index Unit, Hydraulic Trimming Press, Hoistable Degassing Unit, and HPDC.



Contact:

Febtech Industries
Unit: L-34&35, Waluj, MIDC
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Mob: 95886 68564 / 93735 55515
E-mail: marketing@febtech.in

Cube Moulds

Madhu Machines & Systems Pvt Ltd offers Cube Moulds that are an efficient solution for high volume production. With the ability to double the effective number of cavities without purchasing additional machinery, it is an excellent choice to reduce both capital and long-term energy costs whilst increasing productivity and lowering the costs per unit. The Company's products range includes: High Cavity Single Face Systems, Single Valve Gate Technology, Nexus Pre-Assembled Systems, Tip less Nuts, etc.

Contact:

Madhu Machines & Systems Pvt Ltd
A-4/5, Anurag, Ganeshkrupa Society, Chikwadi
Haripura, Vadodara, Gujarat 390 007
☎ 0265 – 235 3886 • E-mail: meeta@madhu-group.com

Simulation of Rail Undercarriage and Railway Components Using Simufact Welding

Welding is a critical manufacturing process for railway vehicles and infrastructure components. Rail undercarriage structures, bogie frames, car body assemblies, coupler systems and support brackets depend on high-quality welded joints to ensure strength, durability and safety. Traditional welding process development often requires extensive physical trials, increasing costs and development time. Simufact Welding provides a virtual simulation environment that enables engineers to analyze and optimize welding processes before production. By predicting thermal and structural behavior during welding, manufacturers can improve product quality while reducing risks and costs. Application in Rail Undercarriage Manufacturing: The rail undercarriage or bogie is one of the most important assemblies in a railway vehicle. It supports the vehicle body, transfers loads to the wheels and ensures stable operation throughout service life. Because bogies are fabricated from welded steel structures, welding-induced distortion and residual stresses can affect dimensional accuracy and performance. Simufact Welding helps engineers evaluate: Heat distribution during welding; Temperature evolution in welded regions; Distortion and deformation; Residual stress formation Structural integrity of welded joints. Simulation allows manufacturers to optimize welding parameters and assembly sequences before fabrication, reducing rework and improving quality. Simulation of Other Railway Components: Many railway components require welded fabrication, including: Car body structures; Coupler assemblies; Suspension brackets; Equipment mounting frames; Structural support members. Simufact Welding predicts how welding affects component geometry and performance. It evaluates the impact of heat input, weld sequence, travel speed and fixture design on final assembly quality. For large structures, simulations help identify areas prone to distortion and stress concentration, enabling corrective action during the design stage. Process and Structural Optimization: One of the key advantages of Simufact Welding is the ability to evaluate multiple welding scenarios without physical prototypes. Engineers can optimize: Weld sequence planning; Heat input levels; Clamping arrangements; Joint design; Welding parameters. The software also provides detailed analysis of residual stresses, thermal expansion and distortion. These insights are particularly valuable for railway components that experience continuous cyclic loading and demanding operating conditions. Benefits of Simufact Welding: Reduced Development Time; Virtual validation minimizes prototype builds and accelerates process development; Lower Manufacturing Costs; Early detection of welding issues reduces rework, scrap and corrective operations; Improved Weld Quality; Potential distortion and residual stress problems can be identified before production. Enhanced Dimensional Accuracy: Simulation helps maintain assembly tolerances by predicting welding deformation; Increased Structural Reliability. Accurate prediction of thermal effects and residual stresses improves fatigue performance and service

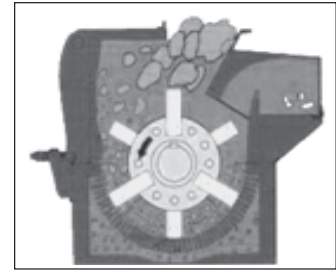
life. Better Fixture Design: Manufacturers can optimize clamping systems to achieve consistent welding quality. Conclusion: Simufact Welding is a powerful simulation tool for the design and optimization of welded railway structures including rail undercarriages, bogie frames, car bodies and support assemblies. By accurately predicting heat flow, distortion and residual stresses, it enables manufacturers to improve product quality while reducing development time and production costs. Through virtual process validation and optimization, Simufact Welding supports the production of safer and more reliable railway components.

Contact:

Kadkraft Systems Pvt Ltd
D-133B, Phase 7, Industrial Area
Mohali, Punjab 160 055
Mob: 98143 62601, 98140 21311
E-mail: raman.gupta@kadkraft.com

Non-Reversible Hammer Crusher

MASYC, an ISO 9001-2008 certified company specializes in the field of Bulk Material Handling System, Conveyor Equipment, Crushers, Screens and Bag Filters etc. The company's Non-Reversible Hammer Crusher is manufactured based on proven technology and in house strict quality control. It is used for size reduction/crushing. Material is broken first by impact between hammer and material and then



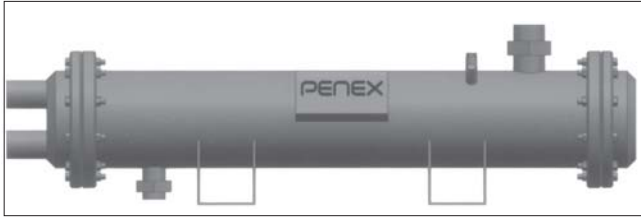
by a scrubbing action (attrition) of material against breaker plate. Size reduction starts by impact, when the hammer strikes the material as it enters the crushing zone. Shattered fragments are swept down into final crushing zone for further reduction at the pinch points between the hammers and the breaker plate. Oversize material remains in the machine until it is reduced sufficiently to fit through the hammer and breaker plate opening. This crusher is available with adjustable cages, a feature that permits the user to make changes in the product size of the crushed product. The tighter the clearance between breaker plate and hammer, the smaller will be the particle size of the crushed product. This Non-Reversible Hammer Crusher is used for hard coal, lignite, limestone, gypsum and other soft and medium hard material. This Hammer crusher has welded casing, screwed lining with high carbon steel plates and hammer path (one way) with wear resistant breaker plate, which is mechanically adjustable. Dust proof spherical roller bearings are provided. The crusher is provided with tramp iron deflector and tramp iron tray so that crusher is protected from un-crushable material. Hammer heads are made of manganese steel or as per customer requirement.

Contact:

Masyc Projects Pvt Ltd
23 Community Centre, Mayapuri
Phase-1, New Delhi 110 064
☎ 011 – 2811 5453 • E-mail: masyc@masycproject.com

Water Cooled Shell & Tube Condensers

Penex HVAC Industries Private Limited offers Water Cooled Shell & Tube Condensers. Construction Features for all common refrigerants and coolants – Refrigerated side:



Finned high performance tubes; Refrigerant connections pipe thread or flange; Inlet; Outlet shut-off valve (optional); Various adapter and valve combinations optional; Discharge gas Desuperheaters special version: Connection for second refrigerant outlet; Connection for pressure relief valve; Internal thread: 3/8 NPT; External thread 1/4 NPT; Various adaptors optional. Materials: Heat exchanger tubes; Standard design: Copper; Seawater resistant design: copper-nickel 90/10 (optional); Shells: Carbon steel seamless; Tube sheets: mild steel and SS (304) SS (316 L) optional; Coolant reversing covers: mild steel; Protective charge: 0, 2.. 0, 5 bar nitrogen (optional). Strong construction for easy maintenance: High safety in terms of tightness: Heat exchanger tubes are expanded into tube sheets; Easy to clean: Both coolant reversing covers can be removed; Flexible: Coolant reversing covers of connection and reversing end are exchangeable; Fixing brackets at the bottom for stable installation; Fitting fixing plates and fixing rails optionally available. Coolant side: Tubes with low-fouling profile inside; Coolant connections: Pipe thread or flange; Coolant drain; Additional vent plug (optional).

Contact:

Penex HVAC Industries Private Limited
Rajkot-Bhavnagar Highway, Village Gadhka
Rajkot, Gujarat 360 020
Mob: 97253 61863 / 96017 96320
E-mail: sales@penexindia.com

Stainless Steel LSAW Pipes

Venus supplies SS LSAW Pipes. Its Outside Dia Range: 8" NB to 56" NB; Wall Thickness Range: 4.0 mm to 50.0 mm; Length: As per requirement. Maximum up to 12 m long; Grades: 304/L/H/LN, 316 /L/H/LN/Ti, 309, 310/L/H/S, 317/L/H, 322/H, 347/H, 904/L, UNS S31500, UNS S31803, UNS S2205, UNS S32750, UNS S32760. Specifications: ASTM A-358, A-409, A-778, A-928. Supply condition: Solution-annealed, pickled and passivated. Applications: Onshore and offshore oil and gas production; Exploration and transport (OCTG–Oil Country Tubular Goods); Chemical and Petrochemical; Energy and Power Generation; Mechanical and Plant Engineering; Water and Waste Water Management.

Contact:

Venus Pipes and Tubes Limited
Survey No: 233/2, Village Dhaneti
Bhuj-Bhachau Highway, Kutch, Gujarat 370 020
Mob: 70488 97799 • E-mail: info@venuspipies.com

Circular Saw Machine Model CSM-70

Multicut Machine Tools, an ISO 9001: 2015 Company offers Circular Saw Machine Model CSM-70. It is made for heavy duty application, and is a complete solution for tube and bar cutting. Features: Specially designed for Mass Cutting; Fully Automatic Circular Saws for Straight Cuts; Optimum Results; High Performance; Outstanding Speed. Versatile Application: Cutting of Mild Steel, Ferrous-Non Ferrous Alloy Steel, Stainless Steel, Brass, Copper and Aluminium, Round Bar, Forging Billets, and Pipes. Applications: Most suitable for Cold Forge Shops as very close weight; Variation in Cut Piece; Forging Units; Cutting Traders; Automobile industries; Fittings / Fastners manufacturing; Arms and Ammunition; Infrastructure; Refineries and Petrochemical; Forging Units to cut end pieces; End Cutting in CNC Production centres for auto components; Centres for auto components; General Purpose application where batch cutting required.



Contact:

Multicut Machine Tools
359/B-360-2, GIDC, Makarpura, Nr: Hanumanji Temple
Vadodara, Gujarat 390 010
Mob: 98796 11699 / 98796 11570 • E-mail: sales@multicut.in

Bell Type Bar Annealing Furnace

Precision Controls offers Bell Type Bar Annealing Furnace. Features: Best Quality output at economical installation and operating cost; Excellent temperature uniformity; Decarb control through N2 Purging; Electric and Fuel fired options are available; Auto operation through PLC and SCADA; Available in 10T/20T/25T/30T/40T and Higher capacities on request; Furnaces complying with AMS 2750 latest Standard and CQI-9 requirements. Applications: Spheroidized annealing and RC Annealing of wire rod coils/ Auto components. Steel Plants; Bearing and Fastener industries; Automobiles; Manufacturers of Bicycle parts, Roller Chains, Forged components, Wire Processing Units – Commercial Heat Treaters.



Contact:

Precision Controls
No: 424 SIDCO Industrial Estate
Ambattur, Chennai 600 098
☎ 044 – 6134 4200 • Mob: 98409 30370
E-mail: info@precons.in

Chamber Furnace

Shikovi Heat gen Technologies Pvt Ltd offers Chamber Furnace. CF Models are front/top loading with 3 sides/4 sides and bottom heated with hinged/Vertical counter weight door opening arrangement. These are manually Operated bath type Models with separate control panel. Features: Sturdy construction; Uniform temperature; Precise control; Effective insulation; Firm sealing; Smooth door operation; Separate control Panel. This Furnace is ideal for: Hardening; Stress Relieving; Pack Carburizing; Gas Nitriding; Bright Hardening; Annealing; Normalizing; Gas Carburizing; Gas Carbonitriding, etc. The Company's products range includes: Pit Retort Furnaces, Bogie Hearth Furnaces, SIC Furnaces, RWMF Furnaces, GRMF Furnace, Ceramic Kilns and Furnace, etc.



Contact:

SHIKOVI Heat gen Technologies Pvt Ltd
W-369, MIDC, Rabale, PO: Ghansoli, Navi Mumbai 400 701
☎ 022 – 2760 7758 / 2760 7759 • E-mail: sales@shikovi.com

Industrial Filtration Systems

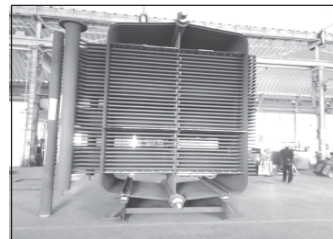
Adhithana Engineering offers Industrial Filtration Systems: Filter Presses – High capacity batch filtration and excellent cake dryness for crystalline products, precipitates and high-solids slurries. Pressure Leaf Filters – Enclosed pressure vessels with vertical or horizontal leaf elements for fine particle retention and clean filtrate quality. Self-Cleaning Filters and Strainers – Automatic backwash systems providing continuous operation with minimal maintenance and no manual intervention. Candle Filters – Tubular filter elements in pressure vessels offering large filtration area in compact footprint with easy cake discharge. Diatomaceous Earth (DE) Filters – Precoat filtration systems providing exceptional clarity for beverages, process water and fine chemical applications. Cartridge Filters – Disposable or cleanable element housings for polishing filtration, sterile applications and low-solids process streams. Lenticular Filters – Depth filtration modules combining adsorption and mechanical retention for high-purity food, beverages, and chemical, pharmaceutical and biotech applications. Basket Strainers – Robust mesh strainers for coarse particle removal, pump protection and debris capture in liquid transfer lines. Serving industries: Chemicals, Speciality Chemicals, Petrochemicals, Pharmaceuticals, Bio Pharma, Water Treatment, Environment, Surface Coating, Corrosion, Engineering, Food and Beverage.

Contact:

Adhithana Engineering Corporation LLP
No: 110, 2nd Cross, Peenya II Stage
Bengaluru, Karnataka 560 091
Mob: 98408 82210 / 79969 97272
E-mail: manoharan.t@adhithana.com

Boilers

Bajaj Power Equipments Pvt Ltd (BPEPL) offers various types of boilers such as: Boiler Type Field Erected Boiler, Package Boiler (Water Tube/Fire Tube), AFBC, FBC, Dual Fuel FBC, Waste Heat Recovery, Incinerator Boiler (Slop + Bagasse/Slop + Coal) Combustion Technology Cyclone Stationary/Travel. With modern manufacturing facility and advanced design technology



BPEPL can design, engineering, manufacturing, supply, erection and commissioning of high pressure multi-fuel boiler for co-generation plant and power plant in India and around the globe. Boilers for Bio-mass based power plants, Bio-mass based co-generation and power plant, Incineration boilers for distilleries, Setting up of Bio-mass based power plants for IPP, and undertakes design and manufactures of waste heat recovery boilers. BPEPL is an IBR approved, ISO 9001: 2008 certified company; and also certified for ISO 14001 (EMS) and ISO 18001 (OHSAS). BPEPL Boilers are capable to handle coal, various biomasses like bagasse, rice husk, soya husk, mustard husk, cotton stalk, sunflower husk, ground nut shell, wood chips, and any more. From a small manufacturing setup BPEPL has developed its work shop into a State-of-the Art boiler manufacturing unit, comparable with the best in the country.

Contact:

Bajaj Power Equipments Pvt Ltd
Survey No: 227/3, Nimblak By-Pass, MIDC
Ahmednagar, Maharashtra 414 111
Telefax: 0241 – 203 0698, 203 0633
E-mail: admin@bajajpower.com

Fine Grain Molded Graphite Block

Hemnav Ventures offers Fine Grain Molded Graphite Block, which is produced by cold molding are widely used in machinery, electronics, semiconductors, polycrystalline silicon, monocrystalline silicon, metallurgy, chemical, textile, electric furnaces, space technology and biological and chemical industries. The graphite has characteristics: Good electric conductivity and high thermal conductivity; Low thermal expansion and high resistance to thermal shock; The strength increases at high temperature, and it can withstand over 3000 degrees; Stable chemical property and hard to react; Self-lubrication; and Easy to process.

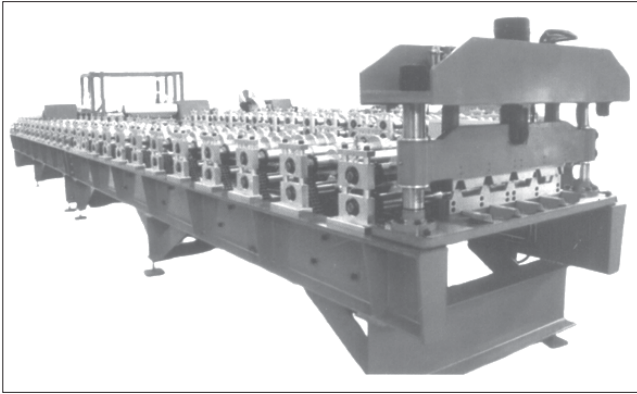


Contact:

Hemnav Ventures Pvt Ltd
3rd Floor, Aryan Building, Kalbadevi Road, 21-29 Papatwadi
Kalbadevi, Mumbai 400 002
☎ 022 – 4004 2765 • Mob: 93727 72520
E-mail: info@hemnav.com

Roofing Sheet Making Machine

Mantrick Hydraulics, a Hydraulic machine manufacturer offers Roofing Sheet Making Machine. Features: Fully Automatic; 21 Stage machine 6 Rib; Hydraulic; Front and



back Cutter; 16.25 kW; Per day 15 ton; Easy to operate; High Volume Production; Touch Screen HMI with PLC System; Schneider, Delta, TGPL, Yuken, SKF, Rollers Hard Chrome Coated; Shearing Blade, Vacuum Heat Treated. The Company's range of products include: Hydraulic Decoilers Machine, Roof Panel Crimping Machine, CNC Pipe Bending Machine Series, Sheet Bending Machines, Baby Slitting Machine, Bet Bottle Baling Machine, Hydraulic Cold Press, Pipe Rolling Machine, Plate Rolling Machine, Scrap Baling Machine, etc.

Contact:

Mantrick Hydraulics
Chinnavedampatti, Ganapathy
Coimbatore, Tamil Nadu 641 049
Mob: 80721 46685 / 88700 05290
E-mail: mantrickhydraulicsystem@gmail.com

Advanced Moly Wire EDM

Krishna Mechatronics offers an Advanced Moly Wire EDM. Features: Full 5-Axis CNC and Servo Motors; Advanced WEDM Software; Unique Design; Strong Construction; Best Surface Finish Ra 0.5. Sizes available up to 2500 x 1600 x 1000 mm. Specifications of Model KM530 – Workbench size: 750 x 500 mm; Axis Travel (X&Y): 500 x 350 mm; Max. Cutting Thickness: 300 mm; Z-axis travel: 300 mm; Max. load: 600 kg; Position Accuracy: ± 0.003 mm; Repeatability: ± 0.002 mm; Optimum Surface Roughness: Ra 0.8 (Optional 0.4); Processing Speed: 100 ~ 220 mm²/min; Electrical Power Consumption: 3 kVA; Water Tank Capacity: 120 liter; Dimension (L x W x H): 1781 x 1660 x 2030 mm; Weight: 2050 kg.



Contact:

Krishna Mechatronics
1st Floor, Plot No: 278, Royal Town
Mathiri, Hosur, Tamil Nadu 635 110
Mob: 95000 87276 • E-mail: krishamechatronics@gmail.com

Rotary Bin Washing Machine

Ultravelox Rotary Bin Washing machine is very simple and user-friendly design with batch type process. Features: It is of top loading type with Rotary basket inside the wash chamber. In Rotary basket fixture design is done to accommodate various sizes of bins. Complete SS304 Construction; 3 to 5 bar Spraying pressure; In-built blower and heater for drying avoids compressed air requirement; PLC and HMI operator friendly control panel; Minimum floor space



required and no Spillage; 150 to 200 Bins/Shift based on contamination; Online Micron filtration; Oil Separator for effective recirculation of fluid; Partition Bins are effectively cleaned. The main design feature in the Bin cleaning machine is washing and drying done in single chamber without clamping of the bin. Place the bin in the rotary table press the push button door closes automatically. The spray and basket rotation starts inside the plastic bin washing machine chamber and after washing drying is done by hot air with special high pressure air blower. In plastic crate washer the bin washing is done by single bin process. The Company is one of the leading Bin washing machine manufacturers in India, and its crate washer machine is one of the High quality bin cleaning machines in India.

Contact:

Ultravelox Private Limited
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Mob: 94453 56642 / 63815 76995
E-mail: marketing@ultravelox.in

Pipe Straightening Machine

Hima Engineering manufactures Pipe Straightening Machine. Features: manufactured by using excellent quality material keeping in mind the set norms; this straightening machine is available in assorted specifications to meet the demands of clients; its features include: rigid design; high efficiency; require less maintenance; and its specifications include those of the following: voltage: 380/415/440/660V 50/60 HZ; thick: 0.4-3, 0.5-4, 1-6, 2-10, 3-12, 4-16, 8-25 mm; width: 300-2500 mm. The company is a manufacturer and supplier of mill machines and assemblies. They manufacture the best-quality products using optimum quality raw materials and effective technological assistance.

Contact:

Hima Engineering Works
No. 15, Shanti Estate, Opp. Shree Hari Estate
Opp. Ramol Police Station, CTM - Ramol Road
Ahmedabad, Gujarat 380 026
Mob: 75677 70005 • E-mail: hima_engg27@yahoo.com

Agropak, the Unique FBC Boiler

Agropak is the most successful FBC Boiler for Saturated Steam. An original research product of IBL, the Agropak is the hottest selling Hybrid FBC Boiler with over 5000 Boilers in operation. The Boiler has some outstanding features which make it the best in its class: Suvega Pure Tube to Tube Water Wall; Completely natural Circulation of Water; Three Pass, High Efficiency Boiler; Choice of Fuel Feeding Systems; In Bed for Coal, Lignite, Saw Dust; Over Bed for Rice Husk, Pet Coke; Microprocessor Controlled Fuel Feeding System; Large water cooled, safe furnace; Packaged Concept, No welding or Expansion at Installation site; Large water and steam space; Ultra Long Life Fluidizing Nozzles; Special Pet coke options; Cold CFBC; Threaded FBC Nozzles; Separate Ash Re-firing System. The Company's main product lines are: Fluidized Bed Combustion Boilers, Cogeneration Boilers, Power Boilers, Multi-fuel Biomass Boilers, Husk FBC Boilers, Coal FBC Boilers, Packaged Oil, Gas, Husk and Wood Fired Boilers, Back Pressure Steam Turbines, Extraction Condensing Steam Turbines, Straight Condensing Steam Turbines, Incinerators with Boilers, Municipal Waste (MSW) Fired Boilers, Waste Heat Recovery Boilers, Autoclaves, Vulcanisers, Electrostatic Precipitators, Bag Filters, Cyclones, Wet Scrubbers and other Pollution Control Equipment, Solar Steam Generators, etc.



Contact:

Industrial Boilers Ltd
227-228, Industrial Township
GIDC, Vapi, Gujarat 396195
☎ 011 – 2645 3194
E-mail: delhi@industrialboilers.net

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 382 027
Mob: 82649 37896 / 90337 11390
E-mail: info@arbudainstruments.com

ITL Bi-Metal Band Saw Blade Premier M-42

ITL Industries Ltd supplies Bi-Metal Band Saw Blade ITL Premier M-42. This is the most versatile blade for a wide applications like General steels, Forging Materials, Bundle Cutting, medium alloys, non-ferrous metals, etc. Amazing tool life and superb cutting economics make it the most desirable blade in the industry; Fastest selling blade of the entire product range. Exceptional performance; It has 10 degrees positive rake angle which helps in deeper penetration into the job and faster material rate (MRR); has strong backing material and the cutting tip material has 9-10% Cobalt and can cut material up to Tensile Strength of 1300 N/sq.mm; For pipe cutting/structural steel cutting application, special tooth profiles are available in M-42 grade blade.



Contact:

ITL Industries Ltd
111 Sector-B, Sanwer Road, Indore, Madhya Pradesh 452 015
☎ 0731 – 710 4430 / 730 4412 • E-mail: blade@itl.co.in

Aqueous Base Cleaning Equipments

PM Tech Machinekraft offers Aqueous Base Cleaning Equipments – Single Chamber Multi-Process. Its Features: Single loading and unloading point; Complete Media Filtration Possible; Flexible Cycle time to match output results; Easy operation using touch screen HMI on operator panel; Options available for multiple ultrasonic frequencies from 25 kHz to 1 MHz; High Degree of Process flexibility (Spray, Ultrasonic, Inject flood, Rust Inhibition, Drying); Independent time settings, sequencing of processes and repeat cycles, can be done as per application and cleanliness requirement; 3600 rotation, specific degree tilting, clock wise and anti-clock wise are possible, leading to better cleaning results, as 100% coverage of surface is possible during all process; Due to rotation the component cavities hold minimum liquid media and thereby percentage of carry over media ton the next process is much less, leading to a higher bath life; As multiple processes are taking place in same chamber, hence a single module of Ultrasonic can be used for different processes (Soaking, Cleaning, Rinsing). Optional: Chemical Dosing; Auto filling and drain; Fume Extraction system/Mist Collector; Vacuum Drying; Oil distillation; Additional storage tank for second rinsing.



Contact:

PM Tech Machinekraft
3 Sai Darshan, Opp: Saibaba Temple
Ramchandra Nagar No: 3, Vaiti Vadi
Thane West, Maharashtra 400 604
Mob: 93211 61944 / 72089 79941
E-mail: shakti.pmtech@gmail.com

Belt Furnaces

Kohnle Heat Treating Systems P Ltd offers a range of Belt Furnaces like Continuous Straight through belt furnace Type T/HT available with a variety of protective and reac-



tive atmospheres for processes like brazing, diffusion annealing, Ferritic nitro carburizing, normalizing hardening, recrystallization annealing, solution annealing, spheroidized annealing, stress relieve annealing, tempering. Maximum 1,000 kg/hr capacity, up to 1,180°C. Retort Type Mesh Belt Furnace Type BLH with metallic Muffle (retort); Maximum 500 kg/hr capacity, up to 950°C. Available with a Variety of protective and reactive atmospheres and with attached oil quench, salt quench or polymer quench processes like austempering, Carbo nitriding, carburizing Ferritic nitro carburizing, and neutral hardening. Also offers Mesh Belt Type Furnace, Cast Link

Contact:

Kohnle Heat Treating Systems P Ltd
1st Floor, 236 & 237, SIDCO
Thirumudivakkam, Chennai 600 044
☎ 044 – 42949 800
E-mail: ino@bencoindia.com

HD RH Series Mounts

HiDamp Industrial Mountings Pvt Limited offers Anti-Vibration Mountings and Elastomeric products. The HD RH Series Mounts are suited for effective isolation of noise and vibration in diesel engines, generator, AC units, general machinery, Amusement Park equipments, Construction and farm equipments, Compressors, etc.

Contact:

HiDamp Industrial Mountings Pvt Limited
Hidamp Gardens, Vedapatti
Coimbatore, Tamil Nadu 641 007
☎ 0422 – 653 2118 • Mob: 75981 53078 / 94897 53070
E-mail: hidamp@hotmail.com

Smart Battery Charger, LASA

SFS Equipments manufactures LASA Series Battery Charger, is commercial-grade industrial charger. Designed primarily for material handling and warehouse machinery, it provides reliable and rapid charging cycles to maximize operational uptime. Core Specifications and Features: Built to support heavy-duty electric vehicles and warehouse equipment. Applications: Forklifts, electric stackers, pallet trucks, and other battery-operated MHE. Power Configurations: Available in both 1-Phase and 3-Phase designs. Common voltage and current capacities include: 4 V Models: Ranges from 10 A to 40 A for smaller equipment. 48 V Models: Ranging from 80 A to 120 A; Micro-processor-controlled electronic cards; Fully automatic, 8-10 hour recharge systems; Auto cut-off capability with dV/dT charge control; Built-in electronic protection against short circuits, reverse battery, and over-currents.



Contact:

SFS Equipments Pvt Ltd
Survey No: 11/1, NH-4, Bengaluru-Mumbai Highway
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Bengaluru Rural, Karnataka 562 123
Mob: 95352 79901 / 99401 70675
E-mail: lasa@sfs Equipments.com

Skid Mounted Process Boilers

Pressure & Process Boiler offers Skid Mounted Process Boilers. Features – Capacity: 0.5 TPH to 2.5 TPH; Working Pressure: 10.5 kg/cm² to 17.5 kg/cm²; Minimum spares, and Minimum time period required for installation. Benefits: Low Boiler Cost; Minimizes Erection Cost; Less refractory cost; Saves erection time; Less foundation; Factory assembled – ready to use boiler; High combustion efficiency; Hot air for burning high moisture fuel; Unique 5-side water wall; High steam purity; HRU to feed hot water for quick response in load. The Company was originated in 2009 to provide specialized Engineering and Project Service in the field of Boilers (Process) and co-generation power plant. In 2010, PP Boilers came forward in full swing in the field of Manufacturing of Steam Boilers and Boiler accessories/spares. Company Promoters have rich experience of more than 26 years in the field of Boiler Design and Engineering, manufacturing, Project Execution and Erection and Commissioning.



Contact:

Pressure & Process Boilers Pvt Ltd
SCO 57, Sector-47 C, Chandigarh 160 047
☎ 0172 – 653 0839 • Mob: 75289 49222
E-mail: info@ppboilers.in

Top Loader Parts Cleaning & Degreasing Machine

Ultramax offers Top Loader Parts Cleaning and Degreasing Machine. Basic Features of the machine: All wetted parts are constructed using stainless steel (SS 304); Compact in size; High pressure wash pump with 3D Nozzle arrangement; Oil skimmer; High Load carrying capacity for component Basket; Recycling Filtration systems; Auto Door opening and closing through Pneumatic systems; Operator panel with PLC control and HMI Display. This machine can be customized according to component cleaning requirements. Optional Accessories: Oil separator attachment; Special Component Fixture; Fresh Water Rinsing/Recirculated Rinsing process; 2 Tank concept (Clean tank and Collection tank) to achieve Millipore level of cleaning;



Steam Extraction/Mist Collector; Safety Light Curtain; Component Trolley for handling of parts; Online Magnetic Separator.

Contact:

Ultramax Hydrojet Pvt Ltd
AC-31/4A, 1st Floor, 6th Main Road, SIDCO Industrial Estate
Thirumudivakkam, Chennai 600 044
☎ 044 – 4285 2262 • Mob: 89033 35096 / 90805 31215
E-mail: marketing@hydrojet.co.in

Centrifugal Blower

Mother Motor supplies Centrifugal Blower SISW Forward Curved. Motor Type: Squirrel cage induction IP55 as stan-



dard; Nominal Supply: 380/420 VY / 220 / 240 VD 3-phase 50 Hz; 440 V / 480 VY / 250 / 280 VD 3-Mphase 60 Hz; Options: Inlet Flange. Intel Guard, Materials – Fan case: Sheet steel; Impellers: Galvanized sheet steel; Finishes: Black Powder Coated; Mounting: Motor Feet of Pedestal.

Contact:

Mother Motor
Kharadi, Pune, Maharashtra
Mob: 93260 53216 • E-mail: mothermotors@gmail.com

Dissolved Air Flotation (DAF)

Britt Envirotech manufactures the Dissolved Air Flotation (DAF) System, which is an effective wastewater treatment technology designed for restaurants, canteens, food processing units, and other industries generating oil-rich wastewater. The system efficiently removes oil, grease, fats, suspended solids, and floating contaminants before biological treatment. DAF works on the principle of coagulation, flocculation, and dissolved air flotation, where fine air bubbles attach to contaminants and float them to the surface for removal. This process significantly reduces the organic load entering downstream treatment systems. The treated water becomes suitable for feeding into a Sewage Treatment Plant (STP) or Effluent Treatment Plant (ETP). DAF system is compact in design and require a relatively small installation footprint. It provides reliable performance even with highly contaminated wastewater streams. The technology helps improve overall treatment efficiency while reducing operational issues in biological treatment processes. Benefits of DAF System: Efficient removal of oil, grease, fats, and floating contaminants from wastewater; Reduces suspended solids and turbidity significantly; Lowers the organic load (BOD and COD) before biological treatment; Protects STP and ETP systems from shock loading and process disturbances; Compact design requiring minimal installation space; Fast treatment process with quick solid-liquid separation; Improves overall efficiency and performance of downstream treatment units; Reduces sludge accumulation in aeration tanks and pipelines; Suitable for restaurants, hotel, canteens, food industries, and oily wastewater applications; Simple operation, and low maintenance requirements.



Contact:

Britt Envirotech
C-254 Cheran Maanagar, Villankurichi Road
Coimbatore, Tamil Nadu 641 035
☎ 0422 – 435 4890 • Mob: 90427 01701
E-mail: info@brittenvirotech.com

SS & Heat Resistant Centrifugal and Static Castings

Super Castings (Bombay) manufactures Stainless Steel and Heat Resistant Centrifugal and Static Castings, Centrifugally Cast Tubes of Heat Resistant, Wear Resistant, and Corrosion Resistant Alloys.

Contact:

Super Castings (Bombay) Pvt Ltd
W 156/167, MIDC Phase 2, Sagaon, Dombivli East
Dist: Thane, Maharashtra 421 204
Mob: 90220 92949 • E-mail: sales@supercastings.com

Continuous Hardening & Tempering Furnaces

Precision Controls offers Continuous Hardening and Tempering Furnaces. Salient Features: Well suited for through hardening/case Hardening and tempering of fasteners and



other cold forged auto components; Consisting of auto feeder, prewash, hardening, oil quenching, post wash, tempering and Thermal blackening; Methanol and LPG atmosphere; PLC based SCADA control system; Oxyprobe carbon potential system; Furnaces complying with CQI-9 requirements; Energy efficient and Sturdy design; Standard available Models: 225-250 kg/hr, 450-500 kg/hr, 1000 kg/hr and 1200 kg/hr. Applications: for manufacturers of Fasteners, Screws, Nails, Auto components, Bearings, Bicycle parts, Roller Chains, Forged Components, and Commercial Heat Treaters. The Company is a largest manufacturer of continuous line furnaces.

Contact:

Precision Controls

No: 424, SIDCO Industrial Estate

Ambattur, Chennai 600 098

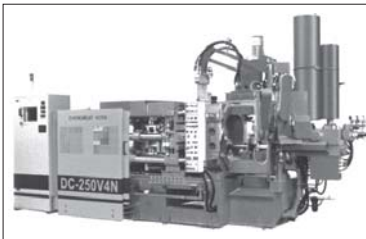
☎ 0443 – 6134 4200 / 6134 4250 • Mob: 98409 30370

E-mail: info@precons.in

Cold Chamber Die Casting Machines

Associated Technocrats Pvt Ltd offers Cold Chamber Die Casting Machines. Specifications of Model DC-250 – Clamping: Clamping force: 250 ton; Mechanism – Die platen: 890 x 890 mm, Tie-

bar Spacing: 585 x 585 mm, Die height: 250-600 mm. Injection – Injection force: 27 ton; Injection Pressure: 110-140 kg/cm²; Ejecting Mechanism – Ejecting force:



12.3 ton, Ejecting stroke: 90 mm; Capacity – Injection pressure: 687/1374, 477/954, 350/700 kg/cm²; Cast Area - 363/181 cm², 524/262 cm², 714/357 cm²; Injecting Volume: 540 cm³, 777 cm³, 1058 cm³; Injecting weight: 1.4 kg, 2.02 kg, 2.75 kg; Motor – Motor: 22.5 kW; Power Source: AC220/380 V; Machine Dimensions – Size (L x W x H): 5030 x 1800 x 2040 mm; Weight: 10.5 ton, Hydraulic oil (optional): 800 liter.

Contact:

Associated Technocrats Pvt Ltd

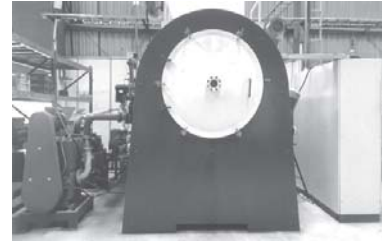
A-72, Sector-64, Noida, Uttar Pradesh 201 305

Mob: 813208 70100 • E-mail: info@atplonline.com

Vacuum Carburizing Furnaces VCF Series

Lakshmi Vacuum Technologies is known for their VCF Series Vacuum Carburizing Furnaces for thermal processing. Engineered to perfection this series of furnaces are compliant to IS such as AMS 2750 Latest Rev.

The VCF Series Vacuum Furnaces have low consumption of electricity, Gas and other utilities; and are completely eco-friendly. Lakshmi Vacuum puts a value addition to customers by providing hands



on training in equipment and metallurgical services to customers enhancing the experience of the client in handling the equipment. Advantages: Minimization of Heat Treatment Distortion; Capability of High temperature Carburizing; Shorter Cycle Times; No Inter Granular Oxidation; Complex Geometrical Parts can be processed; and Eco-Friendly Process. Technical Data of Preci Carb 400 GQ/OQ – Work Zone Size: 400 x 400 x 600 mm; Weight Capacity: 300 kg; Operating Vacuum: 10 £ 2 mbar (10 £ 6 mbar optional); Operating Temperature: 1250°C; Quench Option Gas: 12/15/20; Quench Option Oil: Oil Quench with Agitation; Process Control: PLC and SCADA with IPC. Applications: Carburizing; Carbo-nitriding; Through Hardening; Carburizing Hardening; Carburizing Annealing; Tool Steel Hardening; Tempering; Annealing; and Stress Relieving.

Contact:

Lakshmi Vacuum Technologies Pvt Limited

3, B-05 Gr Floor, MS Industrial Complex, 14th Cross

Peenya Industrial Area, Bengaluru, Karnataka 560 058

Mob: 70220 38671 • E-mail: marketing@lakshmivacuum.com

Stainless Steel Castings

Gravity Cast offers SS Castings. Features: high grade raw materials like CS, SS 316, SS 304, SS 410, bronze (g.M), pH, and WCB; the products are available in different specifications as per the requirements of customers; they are provided in different surface finishing such as polishing or sand blasting, depending on the requirement; the heat treatment process is based on



annealing and normalizing; checked for quality; efficient packaging for shipment; and supplied at competitive rates, its key features are: precision engineering, dimensional accuracy; resistance to corrosion, and outstanding surface treatment. The company is engaged in the manufacturing, importing, exporting, and trading of investment castings.

Contact:

Gravity Cast Pvt Ltd

Survey No: 275, Galaxy Industrial Estate-2

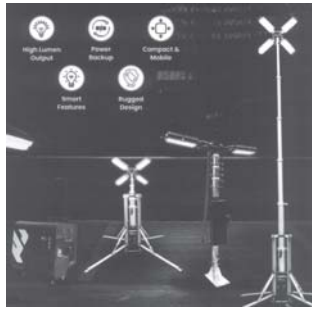
Shaper (Veraval), Gujarat 360 024

☎ 02827 – 253 037 • Mob: 93753 24868

E-mail: info@gravitycastindia.com

MLIT 5 Mobile Light Mast

Mtandt Rentals Limited offers MLIT 5 Mobile Light Mast, which is optimized for LED, delivering an unparalleled lighting performance from a robust, 5-meter light tower that fits in your car. Features: It has high lumen output, Power Backup, Compact and Mobile, Smart features, and rugged design. Other products offered by Mtandt are: Aerial Work Platforms, Fall Protection Lifeline Systems, Material Handling Equipment, Aluminum Scaffolding, Temporary Road Mats. MLIT has been a global leader in mobile lighting, offering a wide range of light towers from MLT-01 to MLT-14. Designed for Mining and Energy, Warehousing and Industrial Operations, Disaster and Emergency Services, Events and Entertainment, Airports, Shipyards, and Ports, Agriculture and Rural Operations, Military and Defence, Retail and Pop-Up Markets. Mobile light towers combine innovation, performance, and reliability to meet diverse needs. The Company's industry-leading solutions feature vertical mast technology, LED safety features, innovative engines, and programmable controls for maximum uptime and efficiency. Engineered for durability and ease of use, towers deliver extended run times and minimal maintenance, ensuring a high return on investment. With the most extensive range of light towers worldwide, MLIT continues redefining mobile lighting with versatile, high-performance products.



Contact:

Mtandt Rentals Limited
1&2 GK Terminal, Nerkundram
Poonamallee High Road, Chennai 600 107
Mob: 81222 31052 / 90901 01065
E-mail: marketing@mtandt.com

Jacketed Gaskets

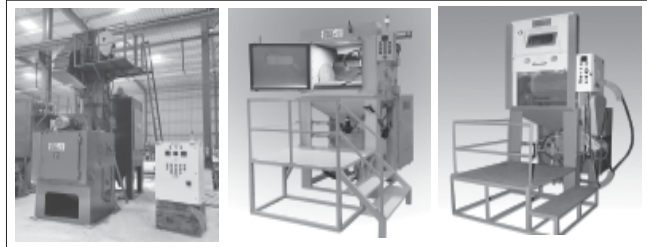
Leak Control manufacturer and exporter of all types of industrial gaskets, supplies Jacketed Gaskets, which combine the temperature resistance of a metal jacket with the sealing performance of soft filler. Jacketed gaskets shall be made with a filler material enclosed in metal jacket. The jacket metal thickness shall be a minimum of 1.5 mm (0.36 inch). The jacket and filter materials are selected to optimize temperature and chemical performance; construction style is dictated by pressure needs, gasket geometry and seating issues. There are many different styles of jacketed gaskets available. The following is a selection of the most commonly used style: Single Jacket Gasket; Double Jacket Gasket; and Double Jacket Corrugated.

Contact:

Leak Control
No; 60/10, 18th Street Extn, Korattur, Chennai 600 080
Mob: 98400 75602 / 63853 67116
E-mail: leakcontrol@hotmail.com

Belt Tumbler (Tumblast) Type Shot Blasting Machine

MEC SHOT, a renowned name in Design, Development and Manufacturing Surface Preparation, Finishing, Shot Peening Machines, Media Conveying, Blast Room, Paint Booth and Dust Collectors and Accessories. MEC SHOT, provides ser-



vices of Air Operated Abrasive Blasting/Airless Shot Blasting and Shot Peening machines to various industries in India as well as globally since 1992. MEC SHOT offers various types of Custom-built Automated or Semi-Automated ma-



chines, Dust Collectors and Accessories to industries for achieving different substrate finishes, surface preparation, deburring, deflashing, peening with protection and safeguarding of working environment and human resource. The customers are finding that Mec Shot machines are cost effective by way of purchase or in operation. The rugged design shot blast machines increases production, improves quality and reduces costs, Faster and better Shot Blasting leads to faster machining, saving of power, cutting tool cost, reduces rejections. The tumble blast machine is fitted with endless Rubber Conveyor Belt gives gentle turning of the parts to be shot blasted. The Shot Blasting is suitable for the batch processing of large quantities of small jobs for foundry, forging, aluminium deburring, and surface preparation. Features: Batch processing with 100% batch integrity; Uniform blast media circulation; Integrated anti-static spray system; Compatible with Fabric bags/Polyester bags and Cartridge/Pleated filter dust collector; Processing spectrum includes small, large, and even complex work pieces; High process consistency with automatic monitoring systems (eg, drives) and automatic blast media replenishment systems; Optimum, multi-stage blast media cleaning via blast chamber extraction and screen systems.

Contact:

Mec Shot Blasting Equipments Pvt Ltd
B-14, Parshvnath Industrial Estate Yojna, Khasra No: 160
Mogra Kalan, Tehsil - Luni, Jodhpur, Rajasthan 342 802
☎ 0291 - 274 0609, 274 4068 • Mob: 70147 31363
E-mail: mail@mecshot.com

Visit us at: www.ips.co.in

Goliath Cranes

Eddycranes Engineers manufactures ELMECH make single girder as well as double girder Goliath cranes conforming to IS: 807-1976, IS: 3177-1977, IS: 3938-1983 and IS: 4137-1963 where ever applicable.

The Goliath cranes are manufactured up to 150 tonnes capacity and for 40 m span. Each ELMECH Goliath crane is built to suit specific dimensional clearance and technical requirement of the customer. The box type girder construction ensures more torsional rigidity and strength. The Grabbing crane is designed to suite indoor or outdoor location and can also be supplied with Grab buckets, electro magnets. The Goliath cranes are designed to run on forged steel wheels running in L-type housing having antifriction roller bearings. The hoisting machinery consist of square cage/slipping motor, totally enclosed oil lubricated spur/helical gear box, thrustor brakes, geared coupling, rope drum, etc. The cranes are suitable for control from floor by means of pendant controller or from driver's cabin by means of master controllers or through radio remote control. The Goliath cranes can also be supplied with cantilever arms to lift over hanging material. ELMECH Goliath cranes are supplied in Cement plants, Thermal and Hydel Power stations, Granite industry, and general engineering industries, etc.

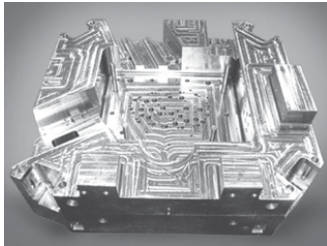


Contact:

Eddycranes Engineers (P) Ltd
3/23 Tardeo A/C Market, Tardeo, Mumbai 400 034
☎ 022 – 2352 2710 / 2352 5103
E-mail: info@eddycranes.com

Industrial Custom Built Mould Bases

Eltec Engineering offers Industrial Custom Built Mould Bases. The features: custom built mould bases for various products, in an excellent range; it's manufactured using quality tested raw materials and progressive technology in adherence with quality standards; it is durable, lasts long, and is tested on many parameters; it is available at market leading prices; its features include: sturdy structure; good flexibility, and low maintenance. The company, established in 2007, is a leading manufacturer and supplier of casting moulds and spare parts, such as standard mould bases, custom mould bases, and many more.

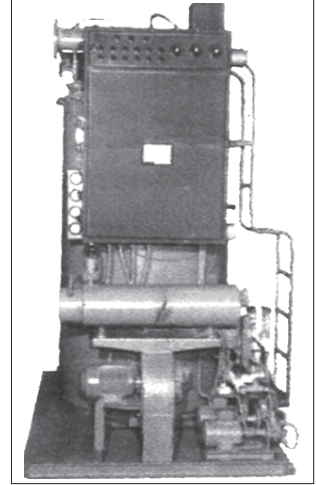


Contact:

Eltec Engineering
S.F No.460, Near Ragavendra Garden
Subramanipalayam Road, Coimbatore, Tamil Nadu 641 029
☎ 0422 – 2645 322 • Mob: 95002 00069, 95006 50999
E-mail: eltecengineering@gmail.com

Thermic Fluid Heaters

Hitze Equipments (India) Private Limited offers Thermic Fluid Heaters. TFH Series thermic fluid heaters are used for temperature requirements upto 300 degrees C. Similar to water tube boilers, the TFH are also skid-mounted, fully automatic LDO/FO/LPG fired models which do not require elaborate foundation or erection work. These boilers have high thermal efficiency and do not come under the purview of IBR. Initial cost is slightly higher compared to steam boilers but running cost is lower. The features are: oil-fired OR wood-fired fully automatic; higher efficiency and temperature; beyond the purview of the IBR Act; four pass reverse flow design; peak efficiency at part loads; inbuilt heat recovery unit; and low initial and operational cost. The company was founded in 1980 by Mr Purushothaman G & like minded mechanical engineering graduates with a keen interest in providing heat transfer solutions.

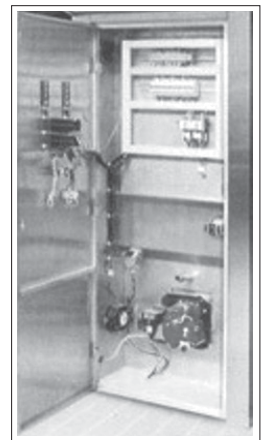


Contact:

Hitze Equipments (India) Private Limited
No: 45-B, 2nd Phase, Narayanapura
Peenya, Bengaluru, Karnataka 560 058
☎ 080 – 2839 5610 • Mob: 88842 19514, 93437 36558
E-mail: info@hitze.in

Mini Rotary Rack Oven

Naik Oven Manufacturing Co manufactures Mini Rotary Rack Oven. Features: It has a rotating interior rack to promote even baking for all kinds of bread products. Over sized viewing windows are perfect for the visibility of products. Further, the digital control panels of these ovens provide easy temperature control and self-contained steam system. These mini-rotary rack ovens come in gas and electric configurations. The Company offers the best quality double rotary rack ovens, single rotary rack ovens, spiral dough kneaders, planetary cake mixers, bread slicers and many other varieties of bakery machinery.



Contact:

Naik Oven Manufacturing Co
Suchita Industrial Estate, Talwar Compound
Pokharan Road No: 2, Subhash Nagar
Majiwada, Thane 400 601
Mob: 98213 43053 • E-mail: response@naikoven.net

Advanced High Precision Casting Simulation Software ADSTEFAN

ADSTEFAN is an advanced, high-precision casting simulation software distributed by Kadkraft Systems in India. Casting is widely used in the railway industry for manufacturing complex components that require high strength, dimensional accuracy and reliable performance. Components such as brake housings, coupler bodies, bogie parts, bearing housings, suspension components and structural castings are commonly produced using steel and iron casting processes. Traditional casting development often relies on multiple trial runs to optimize gating systems, riser design and process parameters. This can lead to increased costs, longer development cycles and material wastage. ADSTEFAN provides advanced casting simulation capabilities that enable manufacturers to analyze and optimize casting processes in a virtual environment before production begins. By accurately predicting mold filling, solidification behavior and defect formation, ADSTEFAN helps improve casting quality while reducing development time and manufacturing costs. Application in Railway Component Manufacturing: Railway castings are often large, geometrically complex and subject to stringent quality requirements. Defects such as shrinkage porosity, cold shuts, air entrapment and incomplete filling can significantly affect component performance and service life. ADSTEFAN enables engineers to simulate the complete casting process and evaluate: Molten metal flow during mold filling; Temperature distribution throughout the casting; Solidification behavior; Feeding efficiency of risers; Shrinkage and porosity formation; Air entrapment and turbulence effects. By visualizing these factors before production, manufacturers can optimize casting designs and reduce the risk of defects. Process Optimization through Simulation. One of the key advantages of ADSTEFAN is the ability to evaluate multiple casting scenarios without physical trials. Engineers can optimize: Gating system design; Riser location and dimensions; Pouring conditions; Mold design; Cooling strategies. Casting geometry modifications. Simulation helps identify the most effective process parameters for producing defect-free castings while minimizing material consumption and production costs. For railway components with complex geometries, virtual validation significantly reduces the time required to achieve a stable and reliable manufacturing process. Defect Prediction and Quality Improvement” Casting defects can lead to reduced mechanical performance, premature failure and costly rework. ADSTEFAN provides detailed insight into defect formation mechanisms and helps engineers take corrective action during the design stage. The software can predict: Shrinkage porosity; Micro-porosity; Misruns and cold shuts; Air entrapment; Hot spots; Incomplete feeding regions. Early identification of these issues enables manufacturers to improve casting quality and reduce rejection rates. Benefits of ADSTEFAN: Reduced Development Time; Virtual process validation minimizes trial casting runs and accelerates product development; Lower Manufacturing Costs Optimized gating and

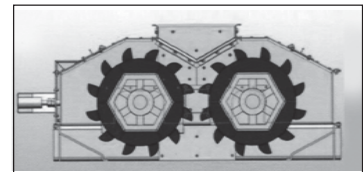
riser systems reduce material waste, scrap and rework; Improved Casting Quality: Potential defects can be identified and eliminated before production begins; Better Material Utilization; Simulation helps optimize feeding systems and improve casting yield; Enhanced Process Reliability; Manufacturers can establish robust process parameters for consistent production quality; Reduced Rejection Rates; Early defect prediction lowers the risk of casting failures and quality issues. Improved Product Performance: Higher-quality castings contribute to improved durability, safety and service life of railway components. Conclusion: ADSTEFAN is a powerful casting simulation solution for the railway industry, enabling manufacturers to optimize casting processes and improve product quality before production. By accurately predicting mold filling, solidification behavior and defect formation, the software helps reduce development time, manufacturing costs and rejection rates. Through virtual process validation and optimization, ADSTEFAN supports the production of reliable and high-performance railway castings, making it an essential tool for modern railway component manufacturing.

Contact:

Kadkraft Systems Pvt Ltd
D-133B, Phase 7, Industrial Area, Mohali, Punjab 160 055
Mob: 98143 62601, 98140 21311
E-mail: raman.gupta@kadkraft.com

Toothed Double Roll Crusher

Masyc Projects offers Toothed Double Roll Crusher, which is used for size reduction/crushing by crushing material with high pressure between two rolls. Features: high pressure on the circulating crushing tooth segment reduces the material into considerable sizes; toothed double roll crusher produces more uniform produce, than any other type of crusher; the crusher having separate drives has wide range of adjustment which makes possible to conform to tough specifications regarding sieve analysis of the product; these roll crushers are used for crushing the hard coal, lignite, limestone, gypsum and other soft and medium hard material; and Masyc can offer toothed double roll crusher up to a capacity of around 800 TPH and having roller dia 1400 mm. The company an ISO 9001:2008 certified company, is active in bulk material handling systems and equipment segment. They have a dedicated team of highly qualified and experienced professionals. Their product range of various conveying systems and equipments suit and match all the requirements in different processing industries like cement, steel, coal, pulp and paper, glass, power, etc.

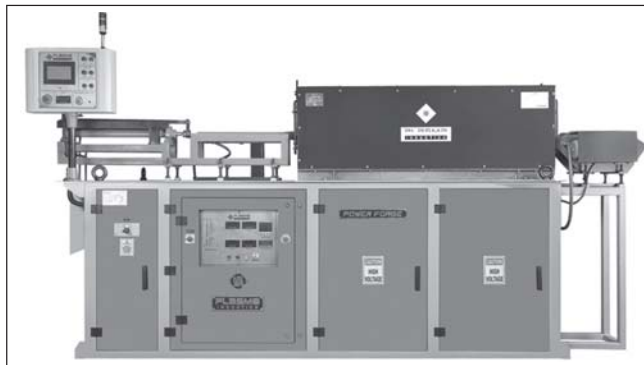


Contact:

Masyc Projects Pvt Ltd
23 Community Centre, Mayapuri, Phase-1, New Delhi 110 064
☎ 011 – 2811 5453 / 2811 5745
E-mail: masyc@masycproject.com

Heating Furnace G-25/G-30

Plasma Induction India manufactures Heating Furnace Model G-25/G-30. The Company is a leading manufacturer of Induction Melting Furnace, Induction Heating, and Hardening Equipment, Vacuum Induction Melting Furnace, Induction Brazing and Annealing Furnace, Special Application Induction Equipment and related Spares. Plasma of-



fers engineering solution in the Forging/Steel Foundry like CCM/ RM/VMF/Foundry equipment/Furnace/Gas Plant/ Turn-key project/Plant Automation and Software Solutions to improve productivity and Profitability. Plasma designs the components and manufacture customized induction heating systems as per customer's requirements. Features: Standard power rating: 125 kW to 250 kW, Frequency: 3 kHz to 30 kHz. Applications: Forging Billet Heater. Accessories: Hydraulic pusher system; In feed tractor drive; Automatic billet feeding system; Automatic heavy duty elevator; Pyrometer, 3-way accept/reject system. Safety interlock with feature: Exceptionally superior performance; Loss motion detection; Standby and rapid start/stop; Energy monitoring system; Epoxy insulated coil winding.

Contact:

Plasma Induction (India) Pvt Ltd
B-406, Rajshree Appt, Nandan Park Society
Opp: Vishamo Kids, Bopal, Ahmedabad, Gujarat 380 058
Mob: 89800 00550, 90333 04875
E-mail: sales@plasmainduction.com

Sheet Metal Products

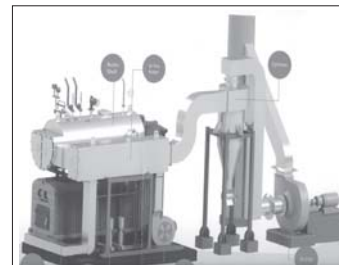
Sri Vetrivel manufactures Sheet Metal Products such as Bended Profiles and Sections, Centering Shutter, Span and Prop (Jack), All Pre Engineered Building materials, Decorative Laser Cut Plates, etc. The Company undertakes job works for CNC Shearing, CNC Bending, CNC Punching, CNC Plasma Cutting, CNC Laser Cutting, Fabrication, etc. Also any metal shape – MS, SS, Aluminium, Brass and Copper can be sheared and folded to any shape up to 26 ft/8 m.

Contact:

Sri Vetrivel Engineering
12/12A, Rao and Co Steel Park, Nattamangalam Main Road
Ammani Kondalampatty, Chettyar Nattamangalam
Opp: Amazon Warehouse, Salem, Tamil Nadu 636 010
Mob: 73977 31101 / 73977 31105
E-mail: srisapthagiri1956@gmail.com

Energypac Plus Boiler

Cheema Boilers Limited offers Energypac Plus Boiler Capacity range up to 6 TPH, and Standard Pressure up to 28 kg/cm². It is a water cum smoke tube boiler offers the most



efficient and economical energy solutions. Reliability packaged with multiple fuel efficiency the boiler is specially designed to burn a variety of fuels. Designed to save on operating cost: Minimum heat loss due to membrane type water wall design; Most efficient combustion with optimum residence time of flue gases in the furnace; Better heat transfer and longer tube life due to optimum velocities in smoke tubes; Swirling air injection for better post combustion burning of biomass fuels. Better Engineering for better performance: Membrane panel water wall furnace design absorbs maximum heat; Large furnace volume to have better combustion of fuels; Large water/steam interface area ensures dry steam; Air pre heater for hot air. Environment Friendly: Energypac Plus comes fitted with Air Pollution Control Systems; World Class manufacturing and quality control. Fuel Flexibility: Ability to fire moist fuel; Manual and Auto fuel feeding options. Unique design features: the Skid mounted Plug and Play Boiler comes fitted with many additional advantages: Saves on civil foundation cost; Compact design – minimum refractory; Less Foot print area; Pre-insulated and factory assembled – up to 85% reduction in site work; Quick start up and better response to surge/fluctuating load variations; Easy ash removal and better accessibility for maintenance; Better space utilization; Low power consumption with energy efficient fans, feed pumps and other efficient auxiliary equipments. Easy and economical to maintain: Highly efficient fans; Anti-abrasive coating in the cyclones; High grade cast iron fire doors.

Contact:

Cheema Boilers Limited
D-188, Sector 74, Mohali, Punjab 160 071
☎ 0172 – 5090 487, 5055 666
E-mail: marketing@cheemaboilers.com

PEB Building Solutions

MRK Roofing System is a PEB Building manufacturer, supply and Erection Company. It is an ISO 9001-2015 accredited organization; and is a specialist in PEB Building, PEB Roof structures, Space Frame Structures, Mezzanine structures and Multi Storied Building, Industrial Buildings, Ware house, Show rooms, Aircraft hangers, Auditorium, Hyper markets, and Sports arena.

Contact:

MRK Roofing System Pvt Ltd
5A First Floor, VOC Street, Gandhi Nagar, Trichi Main Road
Ondipudur, Coimbatore, Tamil Nadu 641 016
Mob: 96000 42214
E-mail: mrkroof2016@gmail.com

Water Tube Boiler

Super Steam Boiler Engineers Pvt Ltd manufactures Water Tube Boiler. A water tube boiler is a type of boiler that circulates water through tubes, which are surrounded by hot gases. These boilers are commonly used in power generation plants and other industrial applications where high pressure and high temperature steam is required. The design of a water tube boiler consists of a number of small tubes that are arranged in a complex configuration. The tubes are connected to headers which allow water to be circulated through the system. The hot gases from the combustion process flow over the tubes, heating the water inside. Advantages of water tube boiler are: Water tube boilers can handle high pressure and high temperature steam. This makes water tube boilers particularly suited to power generation applications where high pressure steam is required to generate electricity. These types of devices respond quickly to changes as required. The boilers can quickly adjust to changes in steam demand without the need for complex control systems. These boilers can achieve higher efficiencies compared to other types of boilers due to their ability to extract more heat from the combustion gases. Water tube boilers can produce steam more quickly compared to other types of boilers, which can be useful in industrial applications where steam demand is high. These types of instruments are typically more compact in size compared to other types of boilers, which can be advantageous in applications where space is limited.

Contact:

Super Steam Boiler Engineers Pvt Ltd
Plot No: A-402, TTC Industrial Area
MIDC Mahape, Navi Mumbai 400 710
☎ 022 – 4141 2121, 2778 1445 • Mob: 98210 12690
E-mail: supersteamboiler@yahoo.com

Alkaline Based Degreasing Chemical

Elite Aquachem manufactures Alkaline Based Degreasing Chemical: Superclean 150 Plus – Alkaline based degreasing chemical. Mix the 5-10% of the concentrate in water thoroughly; Superclean 195 – Heavy duty alkaline based degreasing chemical for SS and MS Tubes, Pipe, Bars, etc. Benefits: Specialized product for cleaning oil and metallic deposits from hard to clean areas; Dissolves the oily layer, loosens and removes the metallic deposits; Instant cleaning action; Suited for ultrasonic machine; and Environment safe and bio degradable.

Contact:

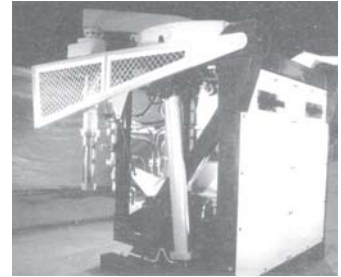
Elite Aquachem
1&2 Suthir, Sagar Signature, Valiv-Phata
Sativali, Vasai (East), Dist: Palghar, Maharashtra 401 208
Mob: 93200 03592, 83697 73774
E-mail: eliteaquachem21@gmail.com

Melting & Holding Furnaces

Megatherm, an ISO 9001: 2015 Company offers Coreless Steel Frame Furnaces, which is designed suitably to perform the best in low to high power density, these steel frame furnaces are low on maintenance, high on shielding magnetic fluxes and other extremely rugged construction. Run on the latest Electromagnetic Software programs these furnaces certify and care for their human operators. Strong faraday rings and distributed flux guides prevent intense boundaries. An enhanced degree of electrical insulation shields from intense electro-magnetic fields. The software also facilitates optimal impedance to go with the power source as well as a rapid melting rate undeterred by the loose initial charges. A steel frame takes shape when a coil cradle assembly and tilting and supporting frame gets linked with a pair of hydraulic cylinders, aiding in lip axis pouring.

Contact:

Megatherm Induction Limited
Megatherm Tower, Plot L1, Block GP, Sector V
Electronics Complex, Salt Lake City, Kolkata 700 091
☎ 033 – 4088 6200
E-mail: info@megatherm.com

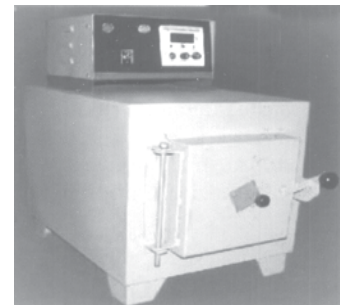


Lab Oven & Muffle Furnace

Trimurti provides Lab Muffle Furnace with 304 grade SS outer body with digital temperature controller cum indicator. This laboratory muffle furnace is designed to heat the specimens up to 1700°C. Generally the most common laboratory furnaces have a maximum working temperature of 1100°C - 1200°C. The working temperature of a laboratory furnace depends on the application. Laboratory furnaces are referred by various names being relative to the application such as bench type furnaces, chamber furnaces, Ashing furnaces, muffle furnace and dental furnaces too. Laboratory furnaces are generally used to heat small materials or test specimens over 1000°C. Applications: Research and Development; Semiconductors; Brazing and Soldering; Petro Chemistry; Automotive; Plastics; Medicine; Ceramics; Heat Treatment; Air and Space industry; Material Testing and Quality Control Laboratories; Coal and Mining; Glass; Electronics; Nuclear, etc.

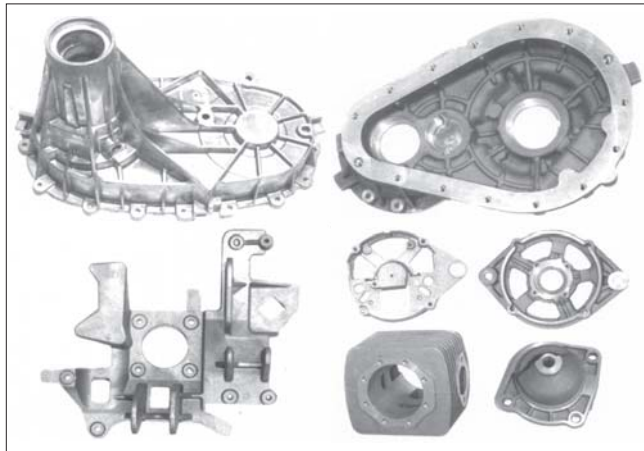
Contact:

Trimurti Furnace Private Limited
G-81, MIDC, Ambad, Nashik, Maharashtra 422 010
☎ 0253 – 238 4656 • Mob: 80077 77642
E-mail: trimurtifurnace4@gmail.com



Aluminium & Zinc Pressure Die Casting Components & Gravity Casting

Precicraft Components India Private Limited is one of the leading and reputed manufacturers, suppliers and exporters of Aluminium, Zinc Die Casting and Gravity Die Casting.



ing. Technical Capabilities – Close tolerance casting: ± 0.1 mm as cast; Thin Wall Castings: 1.2 mm as cast; Zinc and Aluminium Casting: Threads as cast in Zinc; Surface Finish: TCP/Powder Coating/Anodizing/E Coat/Impregnation; Pressure Tight Castings: 10-35 Bar; All Types of Castings: Die Casting, Gravity and Sand Casting. Ranges: 30 g to 8 kg in HPDC and Up to 30 kg in GDC.

Contact:

Precicraft Components India Private Limited
60B/8B Venkatasamy Nagar, Athipalayam Road
Ganapathy, Coimbatore, Tamil Nadu 641 006
☎ 0422 – 714 0030
Mob: 99444 36650
E-mail: info@precicraft.in

Heat Exchangers

Sangameshwar Engineers manufactures Heat Exchangers for various industrial applications. It is an integral part of a power plant used to pre-heat the water delivered to steam generating boiler, preheating the feed water reduces the irreversibility involved in steam generation and subsequently improves the Thermal Efficiency of the system. The Company produces shell and tube type Heat Exchangers with three types of constructions: Fixed Tube sheet, U-tube and Floating Tube sheet and in accordance with ASME and TEMA specifications and varying from single pass to multiple passes.

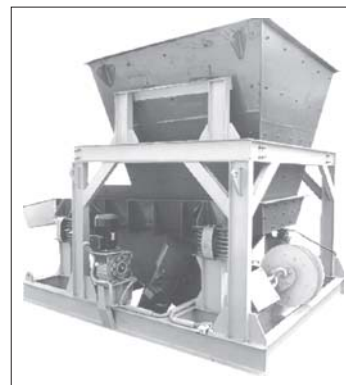


Contact:

Sangameshwar Engineers
Gat No: 65, Plot No: 1, Dehu-Alandi Road, Shelar Wasti
Talwade, Pune, Maharashtra 411 062
Mob: 98817 28589 / 98505 35321
E-mail: sangameshwarengg@rediffmail.com

Furnace Charger

Electro Flux Vibrating Furnace Charger facilitates rapid and quick charging of the furnace thereby allowing maximum utilization of the furnace. Vibratory furnace charger consists of a vibrating feeder



mounted in a moving trolley with a strong hopper mounted above the feeder. Furnace Chargers basically comprising: Vibrating feeder suitable for delivering required capacity; Storage hopper of required capacity; Moving carriage with driving arrangement; Control panel for operating the system;

Cable reeling Drum/Cable Drag; Chain (Optional). The Company's products range includes: Circular Lifting Electromagnet, Rectangular Lifting Electromagnet, Excavator Magnet, Over Band Magnetic Separator, Suspension Magnet, Magnetic Head Pulley, Magnetic Drum Separators, Electro Mechanical Feeder, Electromagnetic Feeder, Bin Vibrator, Magnetic Grill and Housing, Liquid Line Magnetic Separator, Plate and Hump Magnet, Magnetic Floor Sweeper, and Electro Lifting Magnet Service.

Contact:

Electro Flux Equipments Pvt Ltd
No: 76A (NP), 11th Street, SIDCO Industrial Estate
Ambattur, Chennai 600 098
☎ 044 – 2957 0945 • E-mail: marketing@electrofluxpvtltd.com

HCR Wear Resistant Bearings

National Engineering Industries Ltd supplies HCR Wear Resistant Bearings. Benefits: Low coefficient of friction even in dry condition; Resistant to adhesive wear and micro pitting; Enhanced fatigue life in insufficient lubrication condition; Debris tolerance removes dents created the contaminated application. Features: Optimized coating with metal-containing amorphous carbon with a multi-lamellar structure; No columnar structure provides high adhesion strength; High dimensional accuracies. Also offers Sealed Spherical Roller Bearings, Insulated Bearings, High Temperature Bearings, Hybrid Ball Bearings, Case Carburized Bearings, Ball Bearings, Needle Bearings, Spherical Bearings, Tapered Roller Bearings, Cylindrical Bearings, Pillow Block Bearings, and Thrust Bearings, etc.

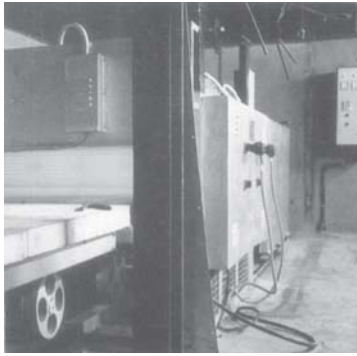


Contact:

National Engineering Industries Ltd
Khatipura Road, Jaipur, Rajasthan 302 006
☎ 0141 – 2223 221 • E-mail: neilsales@nbcbearings.in

Bogie Hearth Furnaces

Shikovi Heat gen Technologies Pvt Ltd offers Bogie Hearth Furnaces, which are custom build furnaces for various heat treatment processes of large/big components. The general arrangement is rectangular horizontal chamber constructed out of refractories with high service temperature, with vertical lifting counter balanced insulated door. The bogie can be loaded manually/completely mechanized. The centralized control panel is floor mounted. Features: Sturdy Construction of Chamber and Bogie; Smooth movement of Bogie with and without charge; Effective Ceramic Fibre Insulation, Durable, Firm Sealing (Granular, Sand or Solid Seals) during operation (Bogie chamber, Bogie and Door). Shikovi's products range includes: Chamber Furnaces, Pit Retort Furnaces, SIC Furnaces, RWMF Furnaces, GRMF Furnaces, Ceramic Kilns and Furnaces, Continuous Glass Annealing Lehrs, Batch Type Glasstech Kiln, Ovens, etc.

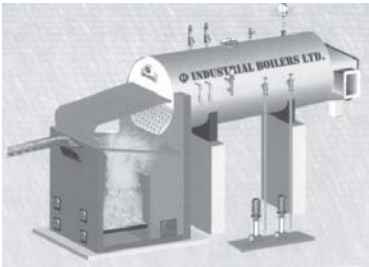


Contact:

Shikovi Heat gen Technologies Pvt Ltd
W-369, MIDC, Rabale, Post Ghansoli, Navi Mumbai 400 701
☎ 022 – 2760 7758 / 2760 7759
E-mail: sales@shikovi.com

Brownian Motion Furnace Boiler

Industrial Boilers Ltd offers Brownian Motion Furnace Boiler. In a Brownian Motion Furnace, lighter fuels are embraced from the sides and bottom in a medium of gas particles. These light fuels (BMF Fuels) are agitated in continuous random movement within the furnace leading to complete combustion at very high efficiency. BMF fuels such as Pith and Saw Dust show excellent combustion characteristics when burnt in the furnace. Brownian Furnaces are also ideal for the combustion of non BMF fuels such as Bagasse, Wood and other agricultural wastes, as well as Fluidisable fuels such as Rice Husk. Orthodox fuels such as Rubber Tyres, Mustard Straws, Sisal Waste, Kitti, Patal, etc. are also efficiently burnt. Coal and Lignite can also be burnt in smaller capacity boilers.



Contact:

Industrial Boilers Ltd
227-228, Industrial Township
GIDC, Vapi, Gujarat 396195
☎ 011 – 2645 3194
E-mail: delhi@industrialboilers.net

Steam Boiler Packaged Type

Maxima Boilers offers Steam Boilers Packaged Type – MAX-O/G/OG Series Oil/Gas/Dual-Fuel Fired (Three Pass Smoke Tube IBR Steam Boiler). Features – Type: Three pass, fully wet back, fully automatic steam boiler; Capacity: 0.6 TPH to 17 TPH (F&A 100°C) Single Furnace; Working Pressure: 10.54/14.00/17.5/21.00 kg/cm² and above; Fuel: HSD/LDO/FO/Gas/Dual Fuel; Thermal Efficiency: 90 ±2% on NCV, 95 ±2% on NCV with HRU's; Heat Recovery unit: Economizer, Pressurized Economizer Air Preheater; Burner: Fully Automatic (Indian/Imported) Monoblock Burner. Maxima's manufacturing range includes: IBR and Non-IBR Steam Boilers, Steam Generator, Hot Air Generators and Allied Thermal Equipment. The Company also undertakes turnkey projects of its products, which include design, manufacture and supply of Boilers and Thermic Fluid Heaters, Boiler Accessories, Steam Piping, Other Piping, Chimney, etc.



Contact:

Maxima Boilers Pvt Ltd
R-718, Road No 19, TTC Industrial Area
MIDC Indl Area Rabale, Navi Mumbai 400 701
☎ 022 – 2561 2759
E-mail: sales@maximaboiler.com

Foundry Products

Shanthi Gears is a premium quality Ferrous and Centrifugal Nonferrous casting manufacturer, and produces machined or un-machined SG Iron, Grey Iron Castings from 1 kg to 1.5 ton single piece weight and also produces Phosphor Bronze, Aluminium Bronze, Leaded Bronze and Copper alloy castings through Centrifugal, Gravity Die and Hand Moulding casting process. Their products range includes: Traction Motor Casing for Metro Train, Shaft Bush for Crusher, Eccentric Bush for Crusher, Head Bush for Crusher, Traction Motor Gear Casing for High Speed Train, Bonnet Thrust Ring for Crusher, Thrust Bearing Lower Part for Crusher, etc. Shanthi Gears also offers Pit Type Electric Fired Furnaces with Carburizing, Quenching, Tempering and Nitriding furnaces; Online process monitoring using SCADA control; Integrated lab facility to check Carbon potential, Micro structure, Micro Hardness; Induction Melting Furnace, and Vacuum Furnace for controlled heat treat of cutters.



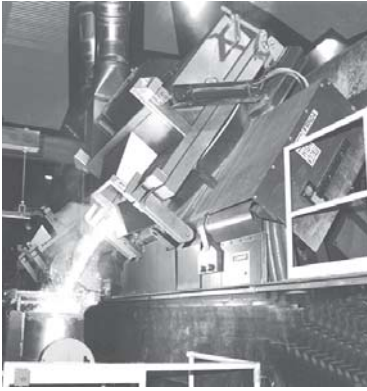
Contact:

Shanthi Gears
C-Unit, Avinashi Road, Muthugounden Pudur Post
Coimbatore, Tamil Nadu 641 406
☎ 0422 – 454 5745
E-mail: info@shanthigears.murugappa.com

Heavy Steel Shell Furnaces

Inductotherm (India) Pvt Ltd offers Heavy Steel Shell Furnaces. These furnaces combine the exceptional strength of a rugged steel shell with easy accessibility making them ideal for melting a wide

range of metals. Excellent durability: Due to their superior design and technological expertise, Inductotherm Heavy Steel Shell Furnaces are the most durable furnaces on the market today. They are more efficient, more productive, quieter and easier to maintain than



competitive furnaces. Heavy steel shell furnaces are designed to be stronger than frame-based designs. Exceptional performance: They are also significantly quieter, thanks to the Company's solid steel shell's sound-deadening characteristics. For installations requiring even quieter performance, sound-absorbent insulation can be added inside the shell. Large access panels on every Heavy Steel Shell Furnace are constructed from heavy steel to protect the coil during furnace operation. Variety of options to suit your requirements: Heavy Steel Shell Furnaces can be used with its back-slagging feature, push-out lining systems, weigh frames, pit guards and more. They can be retrofitted with a variety of fume collectors and hoods. This includes latest Vortex extraction hood that can help you comply with the strictest air pollution requirements, such as MACT (Maximum Achievable Control Technology) standards. Inductotherm's Heavy Steel Shell Furnaces are ideal for melting all metals, including silicon. Heavy Steel Shell Furnaces are also available with an optional wide-bodied design which have a significantly larger bath diameter and furnace opening and can be ideal depending on your application. They offer additional benefits such as lower installation costs, lower scrap costs and better access to slag.

Contact:

Inductotherm (India) Pvt Ltd
Plot No: SM-6, Road No: 11, Sanand-II Industrial Estate
BOL Village, Sanand, Ahmedabad, Gujarat 382 170
☎ 02717 – 621 000 • Mob: 93745 78586
E-mail: iil@inductothermindia.com

Mini Steam Boiler

Balkrishna Boilers offers a wide range of Mini Steam Boilers. Features are: a highly reliable, packaged instant steam generator suitable for steam or hot water requirements in laundries or factory canteens; it is a compact, hassle-free alternative solution to cut down on the operating costs of these small heating loads, replacing expensive electrical systems; the large diameter of the pressure part tubes and the transparent filter is specially designed to spot sludge or rust, preventing coil choking, thus reducing downtime of boilers; instant steam generator; low cost alternative heating for laundries, canteens, etc.; skid mounted packaged heating unit with mono-block burner; high efficiency of about 90%, protected against low/no water flow, flame failure alarms and electrical overload lock-out. The company is engaged in manufacturing, exporting, trading, distributing and wholesaling process heating equipment.



Contact:

Balkrishna Boilers Pvt Ltd
Plot No: 788, Opp: Abad Bread, Phase I, Vatva GIDC
Ahmedabad, Gujarat 382445
Mob: 98250 24450 / 92275 24450
E-mail: info@balkrishn.com

Casting Components

Micro Melt offers Auto Parts Casting Components. The auto components are manufactured at its unit are highly suitable for several industrial sectors, mainly automobiles; experienced and skilled professionals are on board to do research on latest market trends, and they design casting components accordingly. Features: these casting components have remarkable mechanical properties and great tensile strength, with highly finished surface; they are available at good prices and have long shelf life; and are free from moisture and corrosion; load carrying capacity is up to the mark and appreciable. The company manufactures and exports investment castings products, offering uncompromised quality at reasonable prices. It is a highly reputed exporter of investment castings with a large client base.



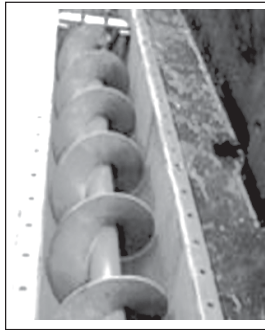
Contact:

Micro Melt Pvt Ltd
Survey No: 196, Plot No: 2, Verval (Shapar)
Rajkot, Gujarat 360 002
☎ 02827 – 252 931 • Mob: 98254 15355
E-mail: info@micromelt.com

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at ₹300/- for 1 year.**

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 5453 • E-mail: masyc@masycproject.com

Solid Fuel Fired Boiler

Shanti Boilers & Pressure Vessels offers Solid Fuel Fired Boiler. The features are: a water-free heating device, delivering high volumes of hot water with consistently high efficiency; made of stainless steel in a rugged design with cylindrical combustion chamber can be effectually operated with wood and coal. Its features include: smokeless combustion, low pollutants, fully automatic operation (no certified staff required for operating), skid-mounted systems are fully assembled and packaged for use; superior glass-lined tank for longer life, single button start/stop with automatic control with safety features, hinged doors for simple cleaning and inspection; can be installed vertically or horizontally. The company is a manufacturer in the field of boilers and heating systems. Core areas consist of boilers and heating systems, power and cogeneration systems, air pollution and air handling.



Contact:

Shanti Boilers & Pressure Vessels Pvt Ltd
P-10-10, Road No: 5, Industrial Development Area
Nacharam, Secunderabad, Telangana 500 076
Mob: 94904 94915 / 94901 90970
E-mail: sales@shantiboilers.com

Aluminium Foundry Heat Treatment Furnace T-4, T-5 & T-6 Application

Afeco offers Drop-Quench Furnace with a water quenching tank for solution Hardening Process, and Aging furnace, which is used for aging application after water quenching process. Both the furnaces together deliver large volume and reliable production continuous operation. These high-technology units provide consistent quality throughout while-in using predictable/repetitive results. In addition, both furnaces perform a wide variety of metallurgical processes such as: Solution treating specialized quenching and aging, T-4, T-5 and T-6 Heat Treatment process. Thyristorised and PLC control furnace, all mechanism made easy with hydraulic loading and unloading charge basket system and PID based to suit specific process requirement. Hot charge quenching is possible within 20 seconds. SS304 grade basket/baffle wall and air circulation fan is provided. Temperature uniformity can be maintained $\pm 5^{\circ}\text{C}$ throughout the working chamber area.

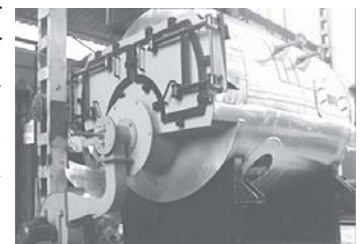


Contact:

Afeco Heating Systems
F-23 MIDC, Gokul Shirgoan, Kolhapur, Maharashtra 416 234
☎ 0231 – 267 2620 • Mob: 98220 56316
E-mail: sales@afecoheating.com

Smoke Tube IBR

Hi Tech Boilers offers Smoke Tube IBR. The features are: these smoke tube oil/gas fired, wet back, horizontal, fully automatic, three pass design are manufactured & designed as per IBR 1950; some of its benefits are that of large heating surface area and furnace with high radiant heating surface maintain furnace temperature below the permission limits; thermal efficiency is $87\% \pm 2$; optimum flue gas outlet temperature; superior combustion efficiency; fully automatic burner hi-tech/imported, on-off, high low type; furnace oil pre heater (in case of heavy oil). The company is engaged in industries like water treating, chemicals and more. They are a celebrated name in the industry and what has made us same is they offer quality Multi Cyclone Dust Collector, Finned Tube Radiator, Finned Tube Radiator and many more products.

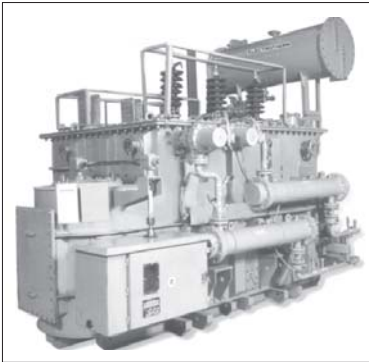


Contact:

Hi Tech Boilers Pvt Ltd
Plot No.361, GIDC Estate, Manjusar
Taluka: Savli, Vadodara, Gujarat 391 775
Mob: 98250 31498 • E-mail: contact@hitechboilers.in

Arc/Submerged Arc/Refining Furnace Transformers

Electrotherm (India) Limited offers Arc/Submerged Arc/Refining Furnace Transformers. Features – Range: Up to 30 MVA; Voltage: Up to 52 kV; Construction: On load tap change/Off Circuit Tap Switch (Motorized or Manual) / Star Delta Switching arrangement (Motorized or Manual); Buck-boost arrangement; Regulating transformer in same tank as main transformer or in separate tank; Cooling ONAN/ONAF/OFWF. Electrotherm's



products range include: Converter Transformers (Induction Furnace Transformer/K-Factor Transformers); Rectifier Transformers, Power and Distribution Transformers, Special Transformers, Packaged/Unitized Sub-Station; Compact Substation; Inverter Duty Transformers; Locomotive Transformers; Power Factor System, etc.

Contact:

Electrotherm (India) Limited
72 Palodia, (Via Thaltej), Ahmedabad, Gujarat 382 115
☎ 02717 – 660 550
E-mail: info@electrotherm.com

Tube Furnace

Cintex Industrial Corporation offers Tube Furnace (Regular GMP Models). Its features: Newly designed for all applications and process requiring excellent radial and perfect temperature uniformity; Heavy Gauge MS exterior finished in powder coated shade in Regular Model; This ultra-light weight laboratory tube furnace have exclusive ceramic fiber insulation; Microprocessor based PID Temp Controller with Dual Digital Indicator and CR/AL Sensor; Housing made of heavy gauge SS



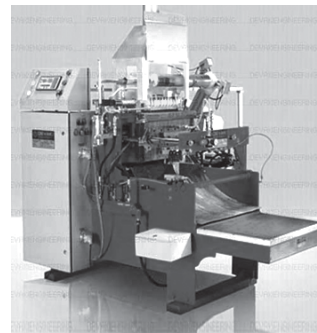
with matt finish in GMP Model. The Control system includes over temperature Solid State Safety fuse which cuts the power in case of temperature overshoot. Max temperature: -350°C to 1200°C; Working Temperature: -400°C to 1160°C; and it Operates on 230 Volts.

Contact:

Cintex Industrial Corporation
242 Jay Gopal Industrial Estate, 510 Bhavani Shankar Cross Road, Dadar (West), Mumbai 400 028
☎ 022 – 2422 0889 • Mob: 98201 11100
E-mail: cintexindia@gmail.com

Grid Casting Machine

Devaki Engineering offers Semi Automatic Grid Casting Machine, which is best suited for small scale and medium scale battery plate and battery manufacturers or for longer Industrial negative grid



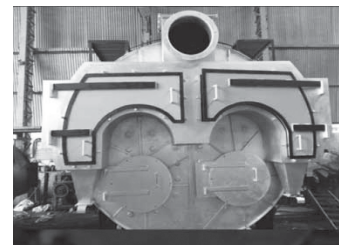
where the grid mould are heavy and manual casting are not possible. Its features are: a simple equipment that consists of a main frame on which the grid mould mounting block with grid mould opening/closing and grid ejection mechanism is mounted; various grid type moulds could be mounted on this. Grid mould opening and closing is continuous and the timing could be set. When the mould opens, the grid is ejected automatically. Trimming is not necessary since dropping legs are not provided and the gate portion is made for manual cutting; lead pouring could be manual or by a pneumatic operated ladle. Lead is generally poured either directly into the mould or into the ladle from the furnace. The company is focusing on supply of precision machined components to large equipment manufacturers. Started designing, manufacturing and supply of equipments related to lead acid battery industry in 1980.

Contact:

Devaki Engineering Enterprises Pvt Ltd
395, 11th Cross Road, Ganapathy Nagar, Peenya III Phase Peenya, Bengaluru, Karnataka 560 058
☎ 080 – 2836 0579 • E-mail: info@devakiengineering.com

Steam Boiler

Ambica Boiler offers Steam Boiler, which functions as steam generator and deliver process value by creating steam through applying heat energy to water. With the form and size depending on end applications, this boiler is well recognized in the market and is widely used and preferred by industrial plants, especially in the areas of pulp processing, waste treatment, and others. The



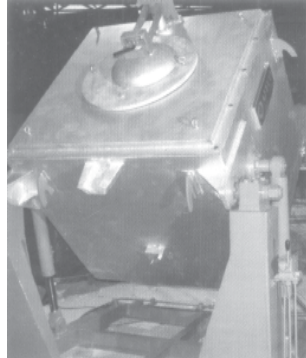
latest technology support used in product designing, contraction, and installation stages also ensures this industrial boiler delivers enhanced energy savings and perfectly match up to the demands of different industrial operations. The company is the most reliable brand name in boilers, industrial process equipment, solid/liquid waste incinerators, and cryogenic tanks.

Contact:

Ambica Boiler
31 Panchratna Ind Estate, Opp: Ramol Police Chowky Phase IV, Vatva GIDC, Ahmedabad, Gujarat 382 445
Mob: 98243 43561 • E-mail: sales@ambicaboilers.com

Crucible Aluminium Melting Furnace, Tilting Type

Afeco Heating Systems manufactures Crucible Aluminium Melting Furnace in Stationary and Tilting Types. Stationary Type provides low energy costs and superior technology. Features: Precise temperature control for melting of Aluminium and non-ferrous metals; Gas fired melting furnaces are ideal for aluminium melting to avoid hydrogen pick up. Furnace is also available in vertical heating element type; Door is provided to



minimize the heat loss. Stationary Type: This type crucible furnace is excellent for melting and pouring directly into the transfer ladles. Its features are: Very economical as compared to induction melting furnace; Available in cubical shell shape and round shape; the furnace is tilted by the hydraulic/motorized/geared mechanism; Furnace is available in different capacity and can be customized as per clients specifications up to 1000 kg crucible; the furnace is used extensively in PDC and GDC Aluminium foundry for melting and holding applications; the electrical power consumption is only 0.45 unit/kg of Aluminium molten metal; LPG gas consumption is 0.1 kg per kg of aluminium molten metal.

Contact:

Afeco Heating Systems

F-23, MIDC, Gokul Shirgoan, Kolhapur, Maharashtra 416 234

☎ 0231 – 267 2620 • Mob: 98220 56316

E-mail: sales@afecoheating.com

Thermic Fluid Heaters

Ross Boilers offers Thermic Fluid Heaters such as Oil/Gas Fired Thermic Fluid Heaters, Solid Fuel Fired Thermic Fluid Heaters, Vertical Oil/Gas Fired Thermic Fluid Heaters, Electric Thermic Fluid Heaters, etc. The Company also offers Hot Air Generators such as Wood Fired Hot Air Generators, Oil/Gas Fired Hot Air Generators, etc.

Contact:

Ross Boilers

33 Burhani Industrial Estate, Kondhwa Block

Pune, Maharashtra 411 048

Mob: 98220 12844 • E-mail: sales@rossindia.com

Vacuum Furnace Turbo Treater

Modern Metals India Pvt Ltd offers Vacuum Furnace Turbo Treater. Its Features: Low Pressure Nitriding System; Directional Quenching System; Simulator for Hardening G-Quench-PRO; Convection Heating system up to 1200°C at 4 bar Pressure; Dew-point meter; GSM alarm information sending. Processes: Vacuum Hardening with Isothermal quenching; Vacuum Tempering; Stress Relieving/Tempering; Vacuum Brazing; Low Pressure Vacuum Nitriding; High Temperature Nitriding of Stainless Steel; Vacuum Carburizing; Vacuum Carbonitriding; and Bright Annealing. The Company introduces heat treatment processes which are eco-friendly and technologies which offer high reliability and reproducibility. Modern Metals India provides services to all types of manufacturing industries, Oil and Gas Sector, Power Sector, Automobile, Defence, Railways, Aerospace, Surgical, Plastic Moulds, Tools and Dies, etc.

Contact:

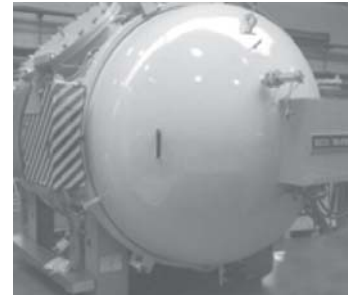
Modern Metals India Pvt Ltd

Plot No: 131, Sector-25, Ballabgarh

Faridabad, Haryana 121 004

Mob: 99100 12626

E-mail: info@modernmetalsindia.com



Laboratory Chamber Furnace, High Temperature

Orbit Technologies Pvt Ltd offers high temperature Laboratory Chamber Furnace VMK-HT Series. Features – Control: Different temperature controller, data recording, trailing thermocouple; Gas/Safety: Protective gas purge with inert gases; Charge/Operation: Charge racks and accessories, inspection glass for visualization of process control or additional pyrometer measurement; Exhaust treatment: Exhaust unit, thermal post combustion. The Company's products range include: Laboratory Ball Mill, Vibratory Disc Mill, Double-Roller Mill, Sieve Shaker, Automatic Milling and Pressing System, Induction Furnaces, Tube Furnaces, etc.



Contact:

Orbit Technologies Pvt Ltd

B-50 Industrial Estate, Sanathnagar

Hyderabad, Telangana 500 018

☎ 040 – 6721 6354 • Mob: 81438 85547

E-mail: orbit@orbitindia.com

Fluid Bed Dryer

ACE Industries (India) Pvt Ltd offers Fluid Bed Dryer, which is designed for fast and uniform drying of powders, crystals and medium sized pellets. The Fluid Bed Dryer finds application in Pharmaceuticals, Bulk Drugs, Dyes and Chemicals, Phytochemicals, Catalysts, Food Products and Starch derivatives, Pesticides, etc. Advantages of Fluid Bed Dryer: In a Fluid Bed Dryer, the temperature is distributed uniformly throughout the product and the heat rate is very high. High production rates are achieved because of reduced drying time. As the product is in close contact with the drying air at a low temperature and for a short duration, the physical and chemical properties of the product are not affected generally and hence the dryer can be effectively used in the case of heat-sensitive products. As the product is continuously moving during the drying process, there is minimal lump formation or case hardening. The Company's products range include: Pilot-Scale Centrifuges, Lifting Bag Centrifuge, 4-Point Suspended Bottom Discharge Centrifuge with Dome Opening, Manual Top Discharge Centrifuge, Air Tray Dryer, Ribbon Blender, Octagonal Blender, Vacuum Tray Dryer, Rotocone Vacuum Dryer, etc.

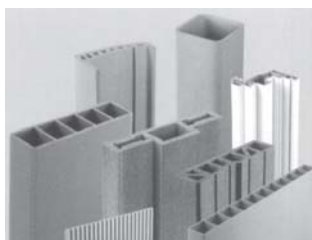


Contact:

ACE Industries (India) Pvt Ltd
113 Alpine Industrial Estate, Marol Military Road
Andheri (E), Mumbai 400 059
☎ 022 – 4225 8000 • E-mail: sales@acecentrifuges.com

PVC & WPC Profiles

Prasad Pneucon Automation LLP offers PVC and WPC Profiles. In PVC profiles plant, combination of additives play vital role for the mechanical properties of profiles. Prasad Group's recipe maker system gives total control over additives permutation and combinations. Online colour dosing technology is breakthrough for profile industry and gives ease of operation from managing colour changes on Mixer. Users can directly switch colour on extruder without losing huge start up wastes.

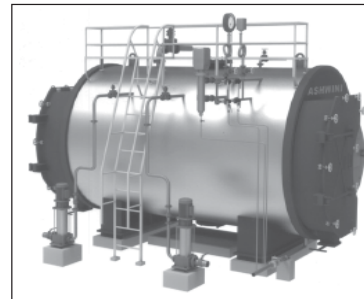


Contact:

Prasad Pneucon Automation LLP
15-C, GIDC Estate, Phase 1, Vatva
Ahmedabad, Gujarat 382 445
☎ 079 – 2583 0687 • E-mail: plastics@prasadgroup.com

Manual Fired Package Boiler, SOLIDTHERM IFM Series

Ashwini Boilers offers SOLIDTHERM Manual Fired Package Boiler IFM Series, which is three pass full wet back, integral furnace shell type manual fired packaged boiler that can accept range of solid fuels for steam production. This model provides best solution for easy access and cost effective steam generation. Ensure highly efficient performance, occupying very less floor space with mini-



imum site work in which rapid steaming can be achieved in no time. High freeboard area is provided to meet fluctuating load demands. Solidtherm gives diverse option as wet back and dry back model for suitable process heating need. Salient Features: 3 Pass full wet back design with internal furnace makes it highly efficient; Capability to fire wide range of fuels; Lower elevation access door for easy ash removal; Less floor space, minimum site work and less refractory; Optimized grate area for effective combustion; Quick response for fluctuating steam demand; Rapid steaming in no time; Single and twin furnace available; Independent feed lines for higher reliability; APH with FD for efficiency enhancement (Optional); Coal can be fired in auto mode as front feeding system; Various safety interlocks for safe operations. Range – Capacity: 1 to 6.0 TPH; Pressure: Up to 17.5 kg/cm² (g); Fuels: Wood, Coal, Briquettes, GN Shell and Coconut Shell. Applications: All process industries like Rice mill, Textiles, Food Process, Pharmaceuticals and Drug, etc. Ashwini manufactures all types of Boilers, which includes Package Boilers, FBC, Travelling Grate, Oil/Gas Fired and HRSG Boilers ranging from 1 TPH to 50 TPH for various fuels like Coal, Lignite, Rice Husk, GN Shell, Saw Dust, Wood, Oil and Gas.

Contact:

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B-301 Harihar Residency, 20 Mannarpuram Main Road
Trichy, Tamil Nadu 620 001
☎ 0431 – 242 0275
Mob: 97919 15597, 93451 44931
E-mail: sales@aeboilers.com

SS and Heat Resistant Centrifugal and Static Castings

Super Castings (Bombay) manufactures Stainless Steel and Heat Resistant Centrifugal and Static Castings. The Company manufactures Centrifugally Cast Tubes of Heat Resistant, Wear Resistant, and Corrosion Resistant Alloys.

Contact:

Super Castings (Bombay) Pvt Ltd
W 156/167, MIDC Phase 2, Sagaon, Dombivli East
Dist: Thane, Maharashtra 421 204
Mob: 90220 92949

Simulation of Rail Components and Wheels Using Simufact Forming Software Solution

Kadkraft distributes Simufact Forming Software, which is used for Simulation of Rail Components and Wheels such as wheels, axles, couplers, and forged structural parts operate under high loads and demanding service conditions. Ensuring their quality, durability, and dimensional accuracy is critical for safe railway operations. Traditional manufacturing process development often involves multiple physical trials, leading to increased costs and longer development cycles. Simufact Forming addresses these challenges by providing a virtual environment to simulate and optimize metal forming processes before production. Simufact Forming is a finite element (FE)-based simulation software used for analyzing forging, rolling, ring rolling, and heat treatment processes. It enables manufacturers to predict material behavior, optimize process parameters, and improve product quality while reducing development time and costs.

Application in Railway Wheel Manufacturing: Railway wheels are typically produced through hot forming and rolling operations. During manufacturing, steel billets are heated and subjected to multiple forming stages to achieve the required wheel geometry and mechanical properties. Using Simufact Forming, engineers can simulate the entire wheel manufacturing process and evaluate: Material flow during forming and rolling; Temperature distribution throughout the process; Stress and strain development; Forming forces and tool loads; Potential defects such as laps, folds, cracks, and under fills. The simulation helps optimize process parameters such as billet dimensions, rolling speed, and forming temperature, ensuring that the final wheel meets performance and dimensional requirements.

Simulation of Rail Components. Apart from wheels, many railway components are manufactured through forging processes. These include couplers, axle parts, suspension components, brackets, and structural elements. Simufact Forming enables engineers to analyze: Metal flow during forging; Die filling behavior; Forging load requirements; Flash formation and trimming; Tool stresses and wear; Defect formation risks. The software allows manufacturers to optimize die design and process sequences, improving production efficiency and reducing manufacturing issues. For ring-shaped railway components such as bearing races and wheel-related assemblies, Simufact Forming's ring rolling module can predict dimensional changes, wall thickness variation, and temperature evolution, ensuring accurate final geometry.

Process and Material Optimization: One of the key advantages of Simufact Forming is its ability to evaluate multiple manufacturing scenarios without conducting physical trials. Engineers can modify process variables such as: Billet size and shape; Tool geometry; Forming speed; Lubrication conditions; Heating and cooling parameters. The software also supports thermo-mechanical analysis, helping engineers understand how temperature and deformation influence material properties. This is particularly important for railway wheels, where microstructure and residual stresses significantly affect fatigue life and wear resistance.

Benefits of Simufact Forming: Reduced Development

Time; Virtual process validation reduces the need for trial-and-error experimentation, accelerating product and process development; Lower Manufacturing Costs; Simulation minimizes scrap, tooling modifications, and production trials, resulting in significant cost savings. Improved Product Quality. Potential defects can be identified and corrected before production, leading to higher-quality rail components and wheels. Enhanced Process Reliability: Engineers can establish optimized process windows that ensure consistent manufacturing performance. Optimized Tool Design: Tool loads and wear patterns can be predicted, helping extend die life and reduce maintenance costs. Better Material Utilization: Accurate simulation of material flow helps reduce waste and improve raw material efficiency. Increased Safety and Performance: By ensuring defect-free production and controlled material properties, simulation contributes to safer and more reliable railway components. **Conclusion:** Simufact Forming is a powerful simulation platform for the design and optimization of railway wheel and component manufacturing processes. By accurately predicting material flow, temperature distribution, stresses, and potential defects, it enables manufacturers to improve product quality while reducing development time and costs. The ability to optimize forging and rolling operations in a virtual environment makes Simufact Forming an essential tool for modern railway manufacturing, supporting higher productivity, reliability, and operational safety.

Contact:

Kadkraft Systems Pvt Ltd

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

Mob: 98143 62601 / 98140 21311

E-mail: raman.gupta@kadkraft.com

Cast Iron Couplings

B K Tech Enterprise offers Cast Iron Couplings. The features are: cast iron couplings manufactured in a wide range to meet a wide variety of end user applications; highly versatile, of high quality, and available at very reasonable rates; designed and machined using supreme quality cast iron, steel, and other raw materials acquired from trusted vendors; checked against various parameters in order to ensure sturdiness, durable finish standards, and longer operational life; owing to features such as excellent performance, sturdy construction, and dimensional accuracy, the offered range is widely appreciated by clients. The company manufactures and supplies casting products, automobile casting, forging components, industrial flanges, etc.



Contact:

B K Tech Enterprise

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Copper Industrial Area, Gondal, NH-27

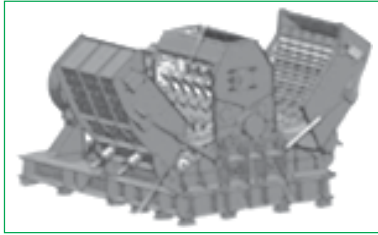
Kangashiali, Lodhika, Rajkot, Gujarat 360 024

Mob: 96628 61959

E-mail: sales@bktechenterprise.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.

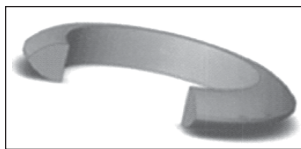


Contact:

Masyc Projects Pvt Ltd
23 Community Centre, Mayapuri
Phase-1, New Delhi 110 064
☎ 011 – 2811 5453 • E-mail: masyc@masycproject.com

Lens Rings Gasket

Asian Sealing manufactures specialized seals and precision metal components for and precision metal components for the oil and gas industry as well as for a broad range of industrial applications. The Company offers Lens Rings Gasket, which is a line contact seal for use in high pressure piping systems and in pressure vessel heads. The lens cross section is a spherical gasket surface and requires special machining on the flanges. These gaskets will seat with a small bolt load since the contact area is very small and gasket seating pressures are very high. Normally the gasket materials should be softer than the flange. In ordering lens gaskets, complete drawings and material specifications must be supplied.



Contact:

Asian Sealing Products Pvt Ltd
A-3 (2), SIPCOT Industrial Park, Pillaipakkam
Sriperumbudur, Chennai 602 105
☎ 044 – 4218 9008 • Mob: 075400 75400
E-mail: info@asiansealing.in

Forgings, Flanges & Fittings

KPS Forge (India) Private Limited offers complete forging solutions. The Company has expertise to forge products from 1 kg to 6000 kg in different grades material like Du-



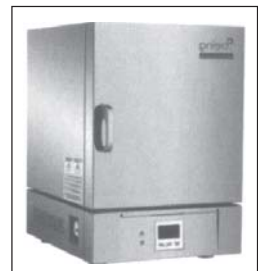
plex and Super Duplex Steels, Nickel-Alloys, Stainless Steel, Alloy Steels and Carbon Steels. The products range are: Forged Rings and Sleeves, Forged Bars and Step Shafts, Forged Flanges, Rectangular and Square Blocks, SRN Nozzles, Lips and Hubs, Gear and Couplings, Forged Blanks/Tube sheets, Hollow Forging and Shell, Fittings (Seamless/Welded), Body, Bonnet and Adaptor, Cage and Trim Parts, Spindles, etc. These products find applications in Valves, Pressure Vessels, Heat Exchangers, Boilers, Process and Flow, Defence and Aerospace, Railway, Oilfield and Drilling, Skid Packages, Instrumentation, Pumps, Filters and Strainers, etc. and in industries like: Oil and Gas, Petrochemical, Fertilizers, Energy and Marine, Refineries, Pharmaceutical, Textiles, Engineering, Sugar, Power and Energy, Cement, Pulp and Paper, etc.

Contact:

KPS Forge (India) Private Limited
Khasra No: 680, Vill: Durriyai, Tehsil Dadri
GB Nagar, Uttar Pradesh 203 207
☎ 0120 – 693 6315 • E-mail: sales@kpsforge.com

Muffle Furnace

Labtech Analytical offers Muffle Furnace. It is a high-quality electric furnace wire and alumina ceramic fibre insulation material provide efficient and reliable high-temperature heat treatment solutions for quenching, annealing, and tempering of small steel parts in industrial and mining enterprises, universities, and research institutes; they can also be used as a pre-treatment for sintering, Ashing analysis, and other processes on metal, stone, and composite tools. Labtech also offers Drying Oven, Vacuum Oven, Natural Convection Oven, Cooling Incubator, Heating Incubator, etc.



Contact:

Labtech Analytical
411 Rudram Icon, Opp: Shayona Arcade, Opp: Silver Oak
College, Gota, Ahmedabad, Gujarat 382 481
Mob: 72260 65959 • E-mail: info@labtechanalytical.com

Bi-Drum Water Tube Boiler

Pressure & Process Boiler (P) Ltd supplies Bi-Drum Water Tube Boiler for all Process Plants. Its Technical Specifications: Capacity: 10 TPH to 100 TPH; Working Pressure: 10.5 kg/cm² to 87 kg/cm²; Temperature: Saturated to 500°C. Description: Unique design with ample water holding capacity, tall furnace for complete combustion of fuel particles within the furnace zone, High-Pressure Boiler with highly advanced technology that enables the most efficient



combustion of fuel as well as makes the boiler highly fuel flexible. High-Pressure Boilers have wide applications in wide range of industries like paper, textile, chemicals, distillers, rubber solvent, pharmaceuticals, food processing etc. High Pressure Boilers operate with different types of furnaces like FBC, travelling grate, pulsating grate, dumping grate etc. High-Pressure Boilers furnaces also operate on multiple fuels such as coal, rice husk, bagasse, lignite, mustard straw; saw dust, wood chips, groundnut shell, spent wash, cotton stock, palm fiber etc. Pressure & Process Boiler (P) Ltd was originated in 2009 to provide specialized Engineering and Project Service in the field of Boilers (Process) and co-generation power plant. In 2010, PP Boilers came forward in full swing in the field of Manufacturing of Steam Boilers and Boiler accessories/spares. Company has rich experience in Boiler Design and Engineering, manufacturing, and Project Execution.

Contact:

Pressure & Process Boilers Pvt Ltd
SCO 57, Sector-47 C, Chandigarh 160 047
☎ 0172 – 653 0839 • Mob: 75289 49222
E-mail: info@ppboilers.in

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Simplex Castings Limited
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Bhilai, Dist: Durg, Chattisgarh 490 023
☎ 0788 – 2290 484/0788 – 229 0485
E-mail: marketing@simplexcastings.com

Power/Cogeneration Boilers

Dehu Engineering (India) Private Limited is a globally renowned, Multifaceted Manufacturing unit, with a proven expertise in producing Boilers and Various Pressure components that conform to Indian Boiler Regulations and International Benchmarks. The Company offers Power Cogeneration Boiler. Its Specifications – Type: FBC/TG/DG/PG/WHRs; Capacity Range: 10 TPH to 150 TPH; Pressure: 10.5 kg/cm² to 87 kg/cm²; Fuel: Coal, Lignite, Wood, Husk (Any Biomass Fuel)/Waste Heat; Feeding System: Fluidized Bed| Travelling Grate | Dumping Grate | Pulsating Grate | Waste Heat Recovery System. Key Characteristics: High Efficiency; Multi Fuel Firing; Bed Evaporator Design for better reliability; Better Steam Purity; and Flexible options for overbed and underbed. Power Cogeneration Boilers use a variety of fuel sources, including Natural Gas, Coal, Biomass, and Waste Heat from Industrial processes, to produce electricity and steam. They are an essential component of many industrial processes, allowing for the efficient and effective production of both electricity and steam. Whether you require a Power Cogeneration Boiler for a new installation or for the replacement of existing components, The Company has the expertise and resources to deliver the solutions you need. We cater to a wide range of sectors including Energy, Oil and Gas, and Process Industries, providing customised solutions that are tailored to the specific needs of each client.



Contact:

Dehu Engineering (India) Private Limited
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Talawade, Pune, Maharashtra 411 062
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Kelsons Engineers And Fabricators
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☎ 0230 – 246 0543, 246 0161 • Mob: 98221 12162
E-mail: mktg.kelsons@gmail.com

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Contact:

Empire Cables Industries Pvt Ltd
115 Phase II, Badli Industrial Area, Delhi 110 042
☎ 011 – 2789 3424, 2386 8832
E-mail: empirecables@yahoo.co.in

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Die Castings

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castings, abrasion resistant castings, etc.; features include: precise dimensions; highly reliable; long lasting; all products are well tested for quality and flawlessness; product attributes include high reliability, ruggedness, high strength, and long life; they are available in customised options. The company is active in manufacturing, trading, supplying, and service providing a spectrum of products, including ferrous and non ferrous casting and casting components services. These products are known for their reliability, ruggedness, high strength, and elevated life.

Contact:

Supercast Industries
Unit No: 327, Pride Industrial Estate, Near Waliv Phata
Sativali Road, Vasai (E), Dist: Palghar, Maharashtra 401 208
Mob: 96650 94970 / 93264 74970
E-mail: response@supercastind.com

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E-mail: info@thermolitefurnaces.com

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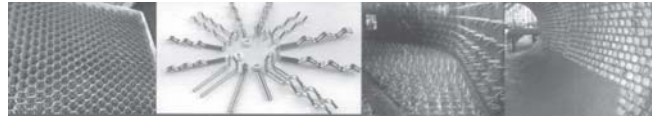


Contact:

Modern Metals India Pvt Ltd
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Faridabad, Haryana 121 004
Mob: 99100 12626 • E-mail: info@modernmetalsindia.com

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ture equipment such as reactors, ducting, furnaces, and reformer structures. Hexmesh, a hexagonal steel grid, provides a strong mechanical backbone that controls thermal expansion, prevents refractory cracking, and ensures a long-lasting monolithic lining. Anchors, available in V-type, Y-type, and custom shapes are welded to the steel shell to hold castable or ceramic refractory in place under extreme thermal and mechanical stress. Punchtech manufactured Hexmesh and anchors offer high dimensional accuracy, superior weldability, and excellent resistance to thermal shock and corrosion, ensuring reliable performance and extended lining life in demanding industrial environments.

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Punchtech Engineers & Fabricators
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September	2026	Pumps, Valves, Tubes & Pipe Fittings
October	2026	Material Handling & Storage Equipment
November	2026	Electrical & Electronics, Solar, Wind & Alternative Energy
December	2026	23 rd Annual Issue + IMTEX 2027
January	2027	ELECRAMA 2027 Special Focus
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March	2027	Cables, Wires, Connectors, Control Panels Transformers Switchgears & Welding Equipment



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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

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Portable Abrasive Blaster

Synco Portable Abrasive Blaster is connected with blast room from outside and operator can do blasting having the blasting gun inside the room. Various models of Portable



Abrasive Blaster i.e. S7-150 R, S7-300 R, S7-500 R and S7-1000 R are available as per desired productivity. The blasting machine can be set off and depressurized by operator himself with the help of remote control valve. Deadman's Handle depressurizes the machine if nozzle drops and enhance operator's safety. The Company's products range includes Pollution Control Systems, Media Recovery Systems, Dust Collectors, Shot Separator and Classifier, Thermal Spray/Electric Arc Spray/Gas Flame/Powder Spray Guns/Systems, etc.

Contact:

Synco Industries Ltd

16-A-3 Heavy Industrial Area, Jodhpur, Rajasthan 342 003

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E-mail: mail@synco.co.in

IFT Laser Welding Machine

Indo Foreign Technologies offers Laser Welding Machine, which is a state-of-the-art solution designed to deliver high-speed, high-precision welding for a variety of metals and alloys. Combining the latest in fiber laser technology with advanced automation, this machine is ideal for industries that demand fast, reliable, and highly accurate welding, with minimal heat distortion and superior strength in the weld joint. Features: It provides exceptional beam quality, allowing for fine control of the welding process resulting smooth, precise welds with minimal deformation of distortion (important for precision applications where dimensional accuracy is critical); Faster processing time, enhancing overall efficiency and throughput; The machine is compatible with a wide variety of metals including SS, carbon steel, aluminium, titanium, copper, and brass; Non-contact welding process gives higher precision, less contamination, and longer machine life span; User-friendly Interface. Technical Parameters – Laser Source: Max; Power: 1000 W /1500 W/2000 W; Wave length: 1080 nm; Protect Gas: Argon; Position System: CCD; CPU: Intel 15-4th Gen; Traveling Range: 1150 x 700 x 11500 mm; Water Cooling; Power required: 220 V/380 V. Uses are in automotive and electronics industries; aerospace and defense; jewelry and watchmaking; medical device mfg; and metal fabrication.



Contact:

Indo Foreign Technologies

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Wireless Device Server

Sparr offers Wireless Device Server - GSM, which provides full functional capability to serial devices to send SMS and data over GSM Network using GPRS. Available in board level or enclosed in metal box. Features: Wireless device server GSM enables you to connect serial devices to remote server over GSM/GPRS network quickly and easily; WDS GSM simplifies GSM/GPRS connectivity to devices in applications where mobility is required or cabling is impractical; available as a standalone box product for external connectivity; enables any device to send SMS messages without having to learn and implement complicated AT command set.



Contact:

Sparr Electronics Limited

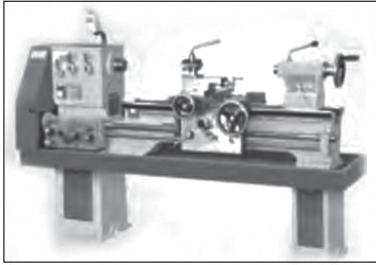
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Banaswadi, Bengaluru, Karnataka 560 043

☎ 080 – 2360 2836, 2360 6308 • E-mail: sales@sparrl.com

Lathe Machine

Bharat Machinery & Spares offers a wide range of Gear Lathe Machines. Features: this machine is made available in various versions. There are six different machine models available in the domain are: BMS34, 35, 40, 43, 50, and 60; the RPM gets changed as per the machine model. In addition, the different models have been developed to meet clients' needs much appropriately; entire models have been developed using quality metal alloy and OEM certified parts; its features include: adjustable height; spindle bore; powerful motor; and used in automobiles; lathe manufacturing machines; hard engineering parts. The company is engaged in manufacturing, trading, wholesaling, distributing, retailing and exporting a wide range of workshop, sheet metal, wood working and general machinery and machine tools.



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Bharat Machinery & Spares

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E-mail: sales@bharatmachinery.com

Metric Hex Nuts

Austenite Fasteners Pvt Ltd offers Metric Hex Nuts. The features are: a six-sided internally threaded fastener with metric thread pitch. 16 millimeter nuts and smaller are chamfered on the top and the bearing surface; larger nuts may be double chamfered, or have a washer face on one side and a chamfered surface on the opposite side; and generally manufactured in accordance with DIN Standard 934 or ISO Standard 4032. The company, a unique name in fasteners line has come long way since its taking over Krishna Engineering Company which was established in 1999. The company has a facility for manufacturing fasteners like: General Industrial Fasteners, Automobiles, Railways, Wind Mills, Infrastructural, Power, Engineering, Valve, Aeronautics, Ship Building, Mining and Special Fasteners as per customer's requirement, etc.



Contact:

Austenite Fasteners Pvt Ltd

917, 5/A, Makarpura GIDC, Makarpura

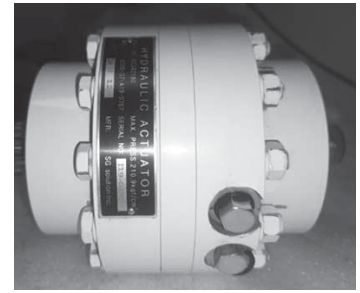
Vadodara, Gujarat 390 010

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E-mail: info@austenitefasteners.com

Projectile Transfer Arm Motor

Iyappan Engineering Industries Private Limited offers Projectile Transfer Arm Motor. The features are: Application across industries. Primary functionality being loading and unloading; power industries to open or close the valves; industries/automation - material handling, to turn or Oscillate, for loading and unloading; automobiles - Cement mixer & Garbage trucks - loading, and unloading. In food industries mix or stir; to load and unload the arms into the firing barrel; and capability to develop and manufacture as per customer drawing and samples or with required specs. The company was established in the year 1972. They manufacture hydraulic and other assemblies for the power, steel, railway and defence sectors. The assemblies they deliver typically include indigenously manufactured, high precision, cost effective components and/or sub-assemblies.



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Iyappan Engineering Industries Private Limited

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Ambattur, Chennai 600 098

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Ground Spiral Bevel Gear

Bevel Gears (India) Pvt Ltd offers Ground Spiral Bevel Gear. The features are: ground spiral bevel gears are used for demanding applications with the highest accuracies; its benefits include lower noise, higher rpm capabilities, improved surface finish, and lower vibrations; it provides solutions for users of ground spiral bevels, spiral bevels, spiral, straight, zerol, angular, and hypoid gears; its range is: 25 – 800 mm (1"-32"). The company is a part of the Jamal Group of Companies. Their manufacturing facilities comprise of Bevel Gears India (BGI) for industrial gears and Karnataka Machine Tools (KMT) for their exports. They are an active AGMA member and have been exporting for decades to several countries.



Contact:

Bevel Gears (India) Pvt Ltd

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Economical Mechanisation of Small Foundry Through Shot Blasting

The Heart of the Machine

A major revolution in Indian Foundry Industry occurred in 1958 with the introduction of the Airless Abrasive Blasting Equipment instead of using Compressed Air (Sand blasting) to propel abrasive. Centrifugal force was used with abrasive being thrown from a rapidly rotating wheel on the work to be cleaned. In Compress Air system 1.14 kW/kg energy is consumed compared to rotating wheel type where energy consumption .05 kW/kg. Each machine is fitted with right size, type and quantity of wheels powered by motors with the HP required to achieve the desired abrasive velocity and flow rate. Patel Furnace has developed over 26 years many models to meet several applications.

Shot Blasting is indispensable not only for foundry but also many other industries like Automobile, Railway, Auto Components, Power Sector, Earth Moving Equipments, Tractors, Compressors, Pumps, Pipe and Fittings, Textile, Cement, Agro Machinery, Machine Tools, Sanitary Castings, Defence Production and Exports. There are about 5500 to 6500 foundries in India. Out of which 85% can be classified as small and medium enterprises producing 10 million tones castings and holding 3rd position after China and US in global market. The industries employs 5 Lac people and indirectly 1.5 Lac people.

Shot Blasting Equipments are used in Foundry, Forging, Shot Peening, Strip Descaling, Plate, Billet, Wire, Stainless Steel, Cement Paver, and have many more applications. Shot blasting minimizes operation cost beside giving excellent finish. It reduces maintenance cost therefore there is need to understand the basic factor which controls the process. The purpose of this technical paper is to make the user more aware about the shot blasting equipment as well as its design construction and maintenance. Effective maintenance will improve the finish of components shot blasted. It will also reduce operation cost, which is approx 50 paise kg to 70 paise per kg depending on power, abrasive, spare parts and labour cost in different parts of India and abroad.

If we look at actual working condition of shot blasting machines, you will notice that most machines are running at low efficiency say 50 to 60% due to several reasons like non-availability of jobs near the machine in time as pouring, cooling, fettling, cutting, runner riser take time. Many times there is break down when spares are not available, or non-availability of steel shots, shortage of pow-

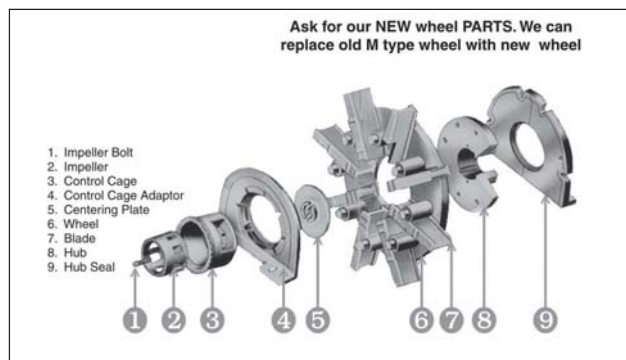


By P A Patel, MD
Patel Furnace & Forging P Ltd
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er, finishing of casting being last operation. Any bottleneck affects company sales and finance.

New RLM Wheel (Fig.1)

With need to increase output it has become apparent that shot blasting cycle on the machine must be reduced. In



effort to give increased output we have introduced new RLM wheel, which throws more abrasive and consumes less power.

In this way one machine is able to do the work formerly done by two machines. The new wheel has larger control cage and impeller making it possible to throw more abrasive and better and faster cleaning, easy of maintenance.

Direct Drive Wheel: (Fig. 2)

Our new direct drive wheel uses direct coupled motors, throw more abrasive as it is running at 2800 RPM, uses, less space compared to RLM wheel, reduces power usage and it is bi-directional, so it will run clockwise and anti-clockwise, so only one set of spares is required which reduces maintenance.

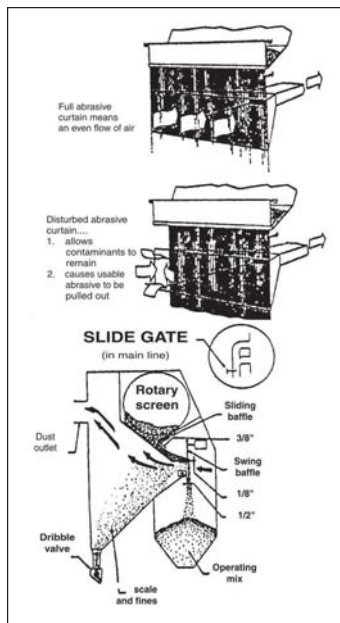


Company News

With frequency convertors, rotational speed are adjusted and different surface and dimension can be treated like aluminium, window section, thin wall castings can be blasted cleaned without deformation.

Separator Function: (Fig. 3)

Foundry sand drastically increases wear on blade, impeller, control cage in blasting machine. Therefore it is necessary to removed from shots. The function of the separator is to remove sand and contaminants from abrasive so that good cleaned abrasive of proper size are fed to the wheel. Separator also controls the size of abrasive mix, this gives faster and better cleaning Fig-3 shows setting of the separator which is very important in controlling all phase of operation.



What usually does wrong with separator, ? The drop of air pressure on separator can be too great, causing the removal of good shot with sand. This can be corrected by adjusting the blast gate sliding baffle and swing baffle.

If the separator is functioning properly, sand will continue to come out of dribble valve when shot blasting machine is running. As the effective operation of the separator depends on the airflow, please ensure that filter collector either bag type or ultra jet or cartridge type operating efficiently.

Magnetic separator: (Fig. 4)

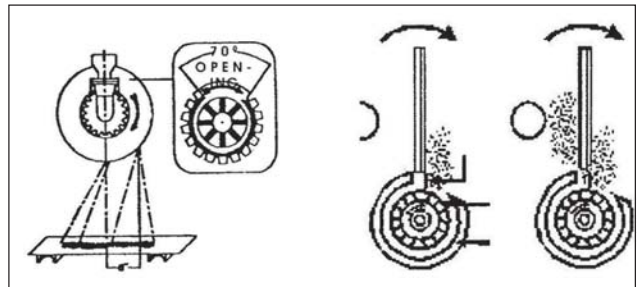
Patel Furnace offer magnetic separator Fig-4 when there is extremely heavy sand load condition. For example large size steel valve body has very heavy cores, During first three four minute of blasting sand and shot in large quantity released. The magnetic separator significantly increases the ability to remove sand from steel shot or girt. The addition of magnetic separator to shot



blasting machine increases the life of wearable parts like blade, impeller, control cage, liners etc., because sand is the primary cause of wear. Magnetic separator reduces blast cycle time, increases the life of replacement parts, reduce equipment maintenance and abrasive consumption and total operation cost.

Blast Pattern: (Fig. 5, 6)

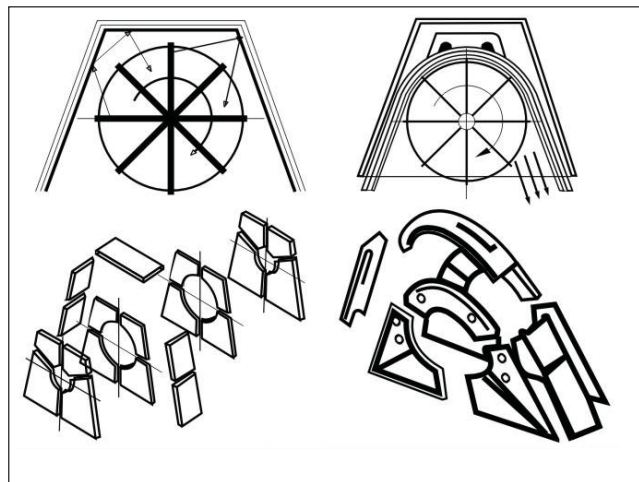
Fig.5 Shows Blast Pattern located 8" to the right of the Vertical centerline on a clockwise wheel, The Pattern is called hot Spot and will feel warm to the hand if touched immediately after shot blasting. The 1/2" movement of control cage opening will shift the Blast Pattern by several inches wear tolerance has been build into blast equipment but when wear goes beyond the tolerance components like Blade, Control Cage, Impeller, can not perform



properly and blast pattern shifts from set target. When wear on the leading edge of the impeller exceeds 4 to 5mm. The abrasive will hit the back of the blade than being delivered to the throwing face. Fig 6, as a result the hot spot and over all blast pattern becomes badly differed and increase blasting time and wear on bare wheel and other wheel components.

Wheel Unit Liners: (Fig. 7, 8)

The blast wheel is usually enclosed within a housing serving as a safety guard and abrasive seal around rap



idly rotating wheel to minimize wear on the housing. A series of special alloy cast liners are installed inside the housing.

Older wheel Fig. 7 consisted of 21 liners where abrasive bounces in uncontrolled manner. In our new RLM (Fig-8) wheel only nine liners are installed inside the housing. High chrome liners are approx. 25mm thick with labyrinth type joints providing an abrasive tight seal between the liners and very Long life.

Function and Role of Blade, Impeller Control Cage: (Fig. 8)

The blade plays a key roll in shot blasting operation. The blade catch the shot delivered from impeller and control cage and throw out to work pieces with an accelerated



speed. The blade is the quickest wearing part among all moving parts. As the wear widens the disperse angle of shot will change and reduce the projection speed.

Moulding Technique:

Most popular moulding technique used in India is green sand moulding and About 80% of foundries use this technique. The drawback of this technology is that large amount of sand, sticks on surface of the castings, which are to be cleaned by shot blasting.

Foundry, using cupola has more sand compared to automated foundries. Other technology like CO₂ process has 5% to 10% sand sticking to casting because of bad shaking operation, poor property of mould and core therefore shot blasting is quite essential.

There are number of items produced by Indian foundries. Some of them are impeller castings, pump castings, valve bodies and automobile or tractor components like break drum, cylinder head, housings, fly wheel, manifold covers, weighing from 5 kg to 60 kg or more. To clean these castings it takes 7 to 10 minutes using S-550 (1.4 mm) shot. Some other types of castings when hanged on monorail take 15-20 minutes for a lot of 500 kg or more.

Shot and Abrasive: (Fig. 9)

The impact Power, and coverage of steel abrasive is governed by its mass and velocity in accordance with equation of kinetic energy $Ke = \frac{1}{2} MV^2$ (Where Ke = Kinetic Energy M = Mass V = Velocity).

Effect of Shot Size on Impact & Coverage				
SHOT SIZE		Approx. Impact Value	Approx. Nos. of Shots / lb	Equiv. Size of Iron Grit
Inches	in (mm)			
.070"	0.18mm	1	82,00,000	G-80
.0110"	0.30mm	4	21,00,000	G-50
.0170"	0.40mm	9	7,45,000	G-40
.0230"	0.60mm	20	3,24,000	
.0280"	0.70mm	33	1,92,000	G-25
.0330"	0.80mm	55	1,14,000	
.0390"	1.00mm	90	68,000	G-18
.0460"	1.20mm	150	40,000	G-16
.0550"	1.40mm	260	24,000	G-14
.0660"	1.70mm	440	14,000	G-12

Shot Impact Value varies as the cube of the diameter (2: 1 Size = 8:1 Impact Value and 1:8 number of shots / lb). Considering Impact value of 70 size shot as 1.

The impact force delivered to the work piece will change only if the mass factor (i.e. the abrasive size) is altered. The relationship of abrasive size to both impact power and coverage is shown in Fig. 9.

The economy and performance of blast cleaning depends upon the abrasives used. The proper size and type of abrasives and its quality which are most important. The following four factors should be considered while selecting the abrasives (a) Area of job surface to be cleaned (b) Quality of work produced (c) Cost of the shots (d) Quality of shot. (e) Production in 8 HRS.

Deburring Aluminium Castings: (Fig. 10)

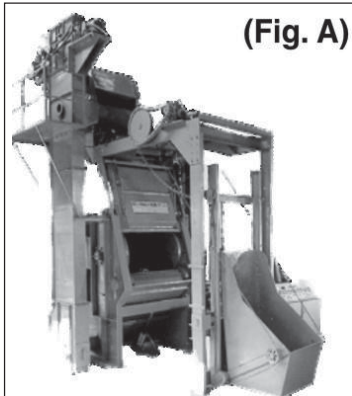
Aluminum Die casted components manufactured from Aluminum, Zinc & Magnesium Alloys Like Crank Case, Clutch Cover Case, Cylinder Blocks, Brake drum etc. required to be blasted for removing burrs, and also gives aesthetic value with aim to obtain even, shine finish on all sides. Many users prefer stainless steel shot as the consumption is one sixth of steel shot, carbon steel shot give dull grey finish, while stainless steel imparts matt silver finish pleasing to eye. Many auto units like Honda, Bajaj, Endurance use stainless steel shots.



Economical Models of Small Shot Blasting Machines for Foundries

Various systems exist for conveying the parts depending upon the type, size and quality of the items to be shot blasted.

Tumblast Type Machines: (Fig. A)

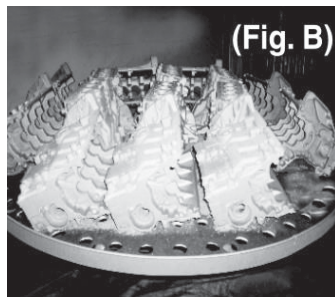


(Fig. A)

It is suitable for shot blasting components like valve bodies, connecting rods, small auto and tractor components. The design employs endless conveyor belt made of steel links and flats or rubber conveyor belt, which does not damage the jobs during tumbling. Many machines are in operation with small and medium foundries.

Table Type Machines: (Fig. B)

In swing table type shot blasting machine the work table rotates the work beneath the blast stream, when door is opened full table is accessible for loading and unloading. Additional second door can be provided to increase productivity by 50% with minor extra cost. Many swing table shot blasting machines are running successfully in India and abroad.



(Fig. B)

Door Hanger Machines: (Fig. C)

In this machine jobs are hung on the door. The parts are carried into abrasive stream after closing the door. The parts are mounted in the front of the wheel on completion of shot blasting door is opened and second door with jobs hung enters in the cabinet. In this type of two door machine foundries can get 30 to 40% more production.

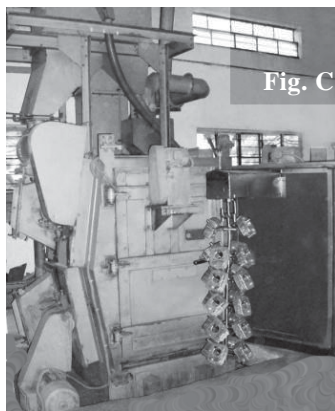
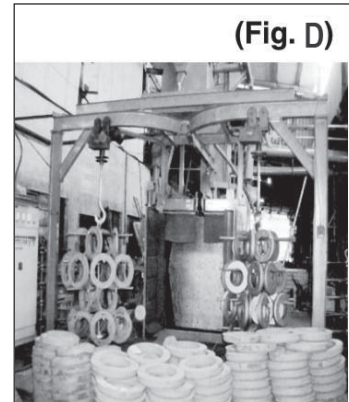


Fig. C

Hanger Type "Y"/ Straight / Loop / Continuous Monorail Machines: (Fig. D)

In this type of machine parts are suspended on trees hung on hanger or special fixture and are carried into abrasive stream. Upon completion of blasting door is

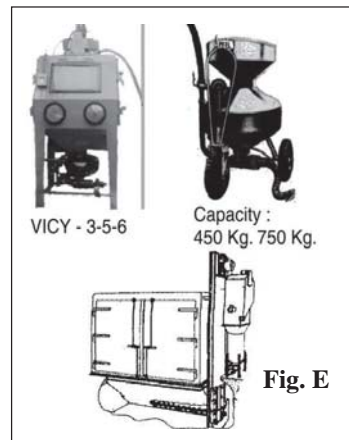
opened and hanger with blasted component taken out and second loaded hanger pushed in. Various work handling monorails like Straight / Tee / Y and Continuous Loop is possible. Machine can handle 500 Kgs., load. Many machines are in operation.



(Fig. D)

Room Plant and Hand Cabinets (Fig. E)

For small foundries with low production, we offer pressure blast cabinet, where small jobs are handled manually and blasted with various media like steel abrasive, garnet, aluminum oxide, glass bead, coconut shell. For larger jobs blast room plants are offered. The room dimensions are governed by job sizes. Automatic, semi-automatic recovery systems are provided. We also offer portable machine for site work.



VICY - 3-5-6

Capacity :
450 Kg. 750 Kg.

Fig. E

Concluding Remarks:

Shot blasting is no more an optional process in a foundry. It provides fast and better cleaning, it saves power, labour, space and permits better inspection, thus minimizing the rejection of castings. Proper understanding about the machine, its construction and use, enable user to improve its efficiency and utility. Before selecting the equipment it is necessary to compare parts and sub-assemblies fitted in the machine and the life it will give. The component metallurgy is very important. Having our own foundry for making alloy parts, manganese liners and other type of castings needed for making sound and durable machines. Before selecting the machine it is necessary to consider above points. Beginning 1991, in 25 years we have sold more than 4000 machines for various applications and exported to several countries. We have helped many MSME Units.

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AIFI Hosts Special Session on Energy Efficiency, Smart Forging Technologies & Advanced Manufacturing Solutions; Expands its Footprint in Eastern India



The Association of Indian Forging Industry (AIFI), the apex body representing India's forging sector, recently organized a milestone Special Session in Jamshedpur, significantly expanding its strategic footprint across eastern India. The knowledge-

focused gathering successfully brought together senior industrial leaders, technical engineering experts and forging professionals to explore how modernization, automation and advanced operational strategies are transforming the contemporary forging ecosystem. Aimed at unlocking new potential within the regional manufacturing sector, the event spotlighted critical opportunities that new-age engineering solutions offer for drastically improving operational efficiency, production output and long-term sustainability across the sector.

The event commenced with a keynote address by Mr. Naresh Jalan, Managing Director, Ramkrishna Forgings Ltd., who highlighted the evolving landscape of the forging industry and underscored the importance of technology adoption, sustainability and operational excellence in enhancing the sector's global competitiveness.

The technical sessions began with an insightful presentation on "How to Improve Energy Efficiency for Induction Heating and Hardening" by Mr. Saikat Chatterjee, Senior Vice President – Sales and Head, Induction Heating and Hardening Division, Megatherm Induction Ltd. He shared practical strategies and advanced technologies that can significantly improve energy utilization, reduce operational costs and enhance productivity in forging operations.

Commenting on the session, Mr. Yash Munot, President of The Association of Indian Forging Industry (AIFI), said, "The forging industry is entering a new era driven by efficiency, sustainability, and technological innovation. Through initiatives such as this special session, AIFI remains committed to equipping industry stakeholders with the knowledge and tools needed to stay globally competitive. The enthusiastic participation from industry leaders and professionals in Jamshedpur reflects the growing momentum of the forging sector in Eastern India. We are pleased to further strengthen AIFI's



footprint in the region and continue fostering collaboration, innovation and capability development across the industry."

Taking the discussion forward, Mr. Jeong Jong Ho, President & CEO, HFM Co., Ltd., delivered a presentation on "Traditional Forging to Smart Forging: How Modern Press Technology Improves Competitiveness," highlighting how advanced press technologies, automation and intelligent manufacturing systems are transforming conventional forging operations to enhance quality, efficiency and competitiveness. Further enriching the session, Mr. Parthey Patel, Senior Manager – Heating Sales, Inductotherm (India) Private Limited, presented on "Non-Ferrous Induction Heating Technology and Latest Advancements," sharing insights into emerging induction heating technologies, their expanding applications in non-ferrous metal processing, and their contribution to improving precision, productivity and process reliability.

The final technical presentation was delivered by Mr. Sandeep Gaikwad, Director, Yeskolube India Pvt. Ltd., on "High-Performance, Cost-Effective Forging Die Lubricants." He discussed the critical role of advanced lubricants in enhancing die life, improving forging quality, reducing maintenance requirements and supporting cost-effective manufacturing.

The special session reaffirmed AIFI's commitment to promoting knowledge exchange, facilitating technology adoption and supporting the forging industry's transformation towards smarter, more sustainable and globally competitive manufacturing practices.

AIFI continues to lead the forging sector by driving industry engagement, fostering innovation and creating platforms that enable members to adapt to evolving market demands while contributing to India's industrial growth and manufacturing excellence.

About the Association of Indian Forging Industry

Established in 1965, the Association of Indian Forging

industry in India. The Indian Forging Industry has always been a major growth driver of the Indian manufacturing sector and is one of the important industries for the success of the automobile, power sector and general engineering in the country. The Association of Indian Forging Industry (AIFI) is the umbrella organisation of the forging Industry in India with more than 200 members across India. Its members' products include rough forgings and/or machined/finished parts like Crankshafts, Connecting Rods, Camshafts, Shifted Fork, Steering Components, Crown Propeller Shafts, Gear Box Components; Crown Wheel and Pinions, Front Axle Beams, Rear Axle Shafts, Earth Moving Link, Suspension parts, CV joint parts, Braking parts, Auto electrical components, Railway

Wheel, Flanges/Pipe Fittings, Industrial Valves etc. The forging industry is a major supplier to the auto companies and a critical industry that generates employment.

AIFI has served as the voice of the Indian forging industry for nearly six decades. It has played a major role in encouraging proactive dialogue between all the relevant stakeholders, like the industry and Government (both in terms of suggestions for policy making and problem-solving), as well as between the industry and the market (User industries, domestic and global customers). India is the 2nd largest producer of forgings globally, next to China.

Web: <https://indianforging.org/>

Nippon Paint Highlights Advanced Coil Coating Solutions for Africa at Coil Coating & Sandwich Panel Conference 2026

Subash Gaijes Selvaraj, President – Industrial Coatings, Nippon Paint India, addressed industry leaders and stakeholders at the Coil Coating & Sandwich Panel Conference 2026 held at the Mövenpick Hotel, Nairobi, Kenya.

During his address, Mr Gaijes shared insights into the evolving requirements of the coil coating industry and the growing demand for advanced coating technologies to support Africa's expanding infrastructure, construction, and manufacturing sectors.

Speaking at the conference, Mr Gaijes highlighted the key challenges and opportunities shaping the future of the coil coating industry. These include the need for enhanced UV and weather resistance to withstand intense sunlight and harsh climatic conditions, superior corrosion protection for coastal and industrial environments, improved scratch and mechanical damage resistance, performance-to-cost optimisation, and future-ready coating technologies that support sustainable construction practices and environmental compliance.

He also outlined Nippon Paint's future focus areas, including research and development of non-metallic substrate coatings and value-added technology innovation projects to enhance product performance and expand application possibilities.

Commenting on the industry outlook, Mr Gaijes said, "As infrastructure and industrial development continue to accelerate across emerging markets, the role of advanced coating technologies is becoming increasingly important. The industry is looking for solutions that deliver long-term durability, sustainability, and performance



while meeting evolving environmental and operational requirements. Innovation and customer collaboration will remain critical in shaping the next generation of coating solutions."

The Coil Coating & Sandwich Panel Conference 2026 brought together manufacturers, coating specialists, steel producers, technology providers, and industry stakeholders to discuss emerging trends, innovations, and growth opportunities within the coil coating and sandwich panel sectors.

As part of Nippon Paint's commitment to the African market, the company has strengthened its regional presence through Nippon Paint Kenya, which serves as a strategic hub for its expansion across East Africa and the wider continent. To support increasing demand for specialised

coating solutions, Nippon Paint has established a dedicated Coil Coating Plant in Mombasa, Kenya, serving steel and metal processing industries across the region.

Backed by a robust supply network across Africa, Nippon Paint provides reliable access to advanced coil coating and industrial coating solutions while ensuring faster deliveries and enhanced customer support. Leveraging its Japanese technology and global expertise, the company continues to support the region's industrial and infrastructure development initiatives.

About Nippon Paint Industrial Coatings (India):

Nippon Paint Industrial Coatings, part of Nippon Paint India, offers advanced coating solutions for automotive, coil, protective, general industrial, CED, CAN, and spe-

ciality coating applications. Leveraging Japanese technology expertise, local manufacturing capabilities, and strong technical support, the business delivers high-performance solutions designed to enhance durability, corrosion resistance, aesthetics, and operational efficiency.

With a strong focus on innovation, sustainability, and customer collaboration, Nippon Paint Industrial Coatings develops customised coating systems that address evolving industry requirements while supporting improved product performance and manufacturing productivity. Backed by the global innovation legacy of the NIPSEA Group, the business continues to strengthen its position as a trusted partner to India's growing manufacturing and industrial sectors.

Autodesk Bets on Digital-First India: Revamps Autodesk Store to a self-serve platform for country's next gen creators and builders

- Startups, freelancers and SMBs – now more than 50% of Autodesk's first-time customers in India.
- Reimagined digital store makes professional 'Design and Make' technology accessible to every Indian creator across metro and beyond

Autodesk recently announced a significant evolution of the Autodesk Store in India, transforming it into a full self-serve procurement platform designed to make professional design and make technology more accessible to startups, entrepreneurs, freelancers, and small and medium-sized businesses (SMBs) across the country. The move underscores Autodesk's intent towards a digital-first go-to-market model, simplifying how customers discover, evaluate, purchase, and manage its Design and Make solutions.

India now has 958 million active internet users, according to the Internet and Mobile Association of India's latest edition of the Internet in India report, making it one of the world's largest and fastest-growing digital economies. Given the scale of internet adoption, professional technology purchase experience of Autodesk's creator community has fundamentally evolved as well. By simplifying access to professional-grade technology and introducing new purchasing and consumption options, the reimagined Autodesk Store aims to lower barriers for businesses of all sizes, particularly emerging businesses and first-

time users looking to innovate, design and build for India or Viksit Bharat.

Since its launch in 2017, the platform has steadily grown into one of Autodesk's most strategically important customer acquisition channels in India. Today, startups, freelancers, and emerging businesses account for more than 50% of first-time customers on the digital Store reflecting both the scale of India's entrepreneurial class and the degree to which digital-first procurement has become the default for a new generation of professionals.

This shift is equally evident beyond traditional metro markets, where growing entrepreneurial activity and rising digital adoption are creating new opportunities for innovation with Tier 2 and Tier 3 cities accounting for more than 20% of Autodesk's online customers. The data reinforces how emerging business hubs are becoming key engines of India's next wave of growth and digital technology adoption.

"India has nearly a billion active internet users – and for this generation, digital is not a channel. It is the expectation. Today, the Autodesk creator community that includes designers, animators, manufacturers want to explore, evaluate and purchase professional technology instantly, just as they would any other product or service online," said Kamolika Gupta Peres, Vice President, Autodesk India and SAARC. "Over the past year, we analy-

Company News

sed the online buying behaviour and preferences of our customers and Autodesk's creator community across India. The insights and feedback have shaped the evolution of the Autodesk Store into a more intuitive, inclusive, seamless and locally relevant experience, designed around the needs of modern Indian businesses and professionals. As Autodesk's reach expands across Bharat, we are making it easier to access professional design technology, regardless of where they are located." Gupta added.

The enhanced platform introduces a set of purchasing models and capabilities designed specifically around how India's independent professionals and small businesses operate:

Wide range of products and payment options: The official Autodesk online Store hosts the complete product range offered in India with over 60 products available for purchase using a wide range of payment options that include Credit card, Net banking, UPI and Debit cards.

Monthly subscriptions: Professionals can now subscribe to Autodesk products month by month, with entry pricing starting at ₹1,062 per month for AutoCAD Web. A freelance architect taking on a three-month commission, or a startup testing its first product prototype, or any firm with a short-scope design project can access industry-standard tools for exactly as long as they need them.

Flex tokens (pay-per-use meter): Autodesk Flex, available exclusively on the India Store, lets teams purchase usage tokens starting at ₹29,300 for 100 tokens, valid for a year

and usable across multiple users and select Autodesk products.

Full self-serve commerce, no callbacks required: Customers can generate and share quotes internally for faster approvals, complete multi-product orders in a single checkout, renew multiple subscriptions simultaneously, and manage GST compliance, the full procurement cycle, entirely self-directed.

As software procurement becomes increasingly digital-first, Autodesk has expanded payment options on the platform to include UPI, along with debit cards, net banking, and credit cards – making it easier for customers across India to purchase solutions through familiar, everyday payment methods.

About Autodesk:

The world's designers, engineers, builders, and creators trust Autodesk to help them design and make anything. From the buildings we live and work in, to the cars we drive and the bridges we drive over. From the products we use and rely on, to the movies and games that inspire us. Autodesk's Design and Make Platform unlock the power of data to accelerate insights and automate processes, empowering our customers with the technology to create the world around us and deliver better outcomes for their business and the planet.

For more information:

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Shree Refrigerations' Mission-Critical AC Systems installed on two of three ships commissioned by Shri PM Modi

- Commissioning ceremony held at GRSE in Kolkata, marked the induction of INS Dunagiri, INS Agray and INS Sandhayak into the Indian Navy.
- Shree Refrigerations' AC Plants were similarly installed on two of the three naval platforms - INS Nilgiri and INS Vaghsheer - commissioned by PM Modi in January, 2025, making it a unique honour for the firm

Shree Refrigerations Limited (SRL), one of India's leading defence-focused manufacturers of refrigeration and HVAC systems, has supplied mission-critical Marine Air-Conditioning Plants for INS Dunagiri and INS Agray, two of the three warships commissioned into the Indian Navy by Prime Minister Narendra Modi in Kolkata on Sunday.

The commissioning ceremony, held at Garden Reach Shipbuilders & Engineers (GRSE), also marked the induction of INS Sandhayak, apart from INS Dunagiri and INS Agray into the Indian Navy.

The systems supplied to the two ships have been successfully type-tested and commissioned for onboard operational use by the Indian Navy, reinforcing SRL's capabilities in delivering critical HVAC solutions for defence applications.

Mr R G Shende, Chairman and Managing Director of Shree Refrigerations Limited said, "This is only the second occasion in the history of the Indian Navy that three ships have been commissioned together, following the historic commissioning of INS Nilgiri, INS Surat and INS Vaghsheer in January 2025. The significance of this milestone can be gauged from the fact that Prime Minister Narendra Modi himself commissioned the ships on both occasions. Shree Refrigerations' AC Plants were similarly installed on two of the three naval platforms – INS Nilgiri and INS Vaghsheer – in 2025 too. It is an honour and a matter of immense pride for us that we have supplied AC Plants to two of the three platforms commissioned on both occasions."

According to Mr Shende, this achievement reinforces SRL's belief that Indian manufacturers can deliver complex, mission-critical solutions that meet the exacting requirements of the defence sector. It also reflects the growing capabilities of Indian industry and supports the nation's vision of self-reliance under Atmanirbhar Bharat.

"Our new 50,000 sq ft manufacturing facility, inaugurated just a day earlier, more than doubles our production capacity. It reinforces our commitment to supporting the Indian Navy and the country's defence ecosystem through innovation, technological excellence, and a steadfast focus on indigenous manufacturing," Shende further said.

About Shree Refrigerations Limited (SRL):

Shree Refrigerations Limited (SRL) is one of India's leading defence-focused manufacturers of advanced refrigeration and HVAC systems, serving the Indian Navy and strategic defence sectors. With around 35 years of experience in the refrigeration industry, SRL pivoted to the defence sector less than a decade ago.

Backed by niche technology, reliable manufacturing, and strong service support, the company has since grown from strength to strength and was publicly listed on the Stock Exchange on Aug 1, 2025.

Recently, Shree Refrigerators Limited reported strong operational and financial performance during H2FY26 and FY26, with revenues growing by over 100% on both a YoY and HoH basis in H2FY26, and by over 50% on a YoY basis in FY26, supported by improved execution capabilities, higher project completion rates, and operating leverage benefits.

Guided by the philosophy 'We don't just Manufacture Products, we Manufacture Pride,' SRL stands as a testament to Atmanirbhar Bharat, offering world-class indigenous solutions for India's most critical sectors.

Industrial Products Source

July 2026: Industrial Automation, Instrumentation,
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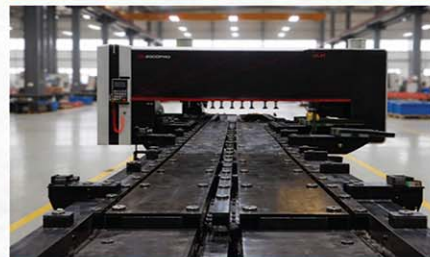
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