

Mfrs. of CI / SG Iron Castings

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We Cast Your Dream

Company Profile

Hi-Mac Castings Pvt. Ltd. established in 2008 by Renowned Industrial Group - **Radhe Group of Energy** by Highly proficient promoters, technically competent design and engineering team devoted to the production of complete spectrum of Ductile Iron (SG) and Grey Iron (CI) castings for the diversified industries like Automotive, Tractor & Agriculture, Refrigerator & Compressor, Submersible Pumps & Valves, Machine Tools, Insulator and Engineering. **Hi-Mac** is facilitated by Gujarat's **first high pressure** horizontal parted flask less molding line from **KOYO, JAPAN**, situated in Lodhika Industrial Estate (commonly known as Metoda GIDC), which is very well approached from Air Port - 17 Kms & Rajkot City - 15 Kms. The presence and growth of **Hi-Mac** is well received and acknowledged by both Indian and foreign customers.

Our Vision

To Be The Most Preferred Supplier of Castings by Achieving Fastest Response to our Customers, Best Quality of Product, On Time Delivery & Competitive Prices.



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- World class infrastructure
- Sound economical group background
- Land availability for future expansion
- Well experienced and dedicated team
- Strong customer base
- Located at finest industrial estate

Automobile Castings

Hi-Mac is proud to be associated with on road vehicles



Agriculture Equipments Castings

Hi-Mac is proud to be associated with agriculture equipments



Tractor Castings

Hi-Mac is proud to be associated with off road vehicles



Engineering Industries Castings

Hi-Mac contributes its expertise in heavy to small machinery fields.



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Refrigerator & Compressor Castings

Cooling & air compression systems provide better stability with Hi-Mac Parts.



Machine Tools Castings

Symbol of accuracy with our castings.



Submersible Pumps & Valves Castings

Water flow and other equipments proved efficiency with our castings.



Hydraulic Part Castings

Systems well defined with hydraulic parts.



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Development

- Design
 - In house pattern design
 - Casting Simulations
- Tooling
 - VMC From Hass
 - CNC From Jyoti
 - Center Lathe
 - Milling Machine
 - Radial Drilling Machine
 - Pillar Drilling Machine – 2 Nos
 - Hacksaw Cutting Machine
 - SG Iron Toolings



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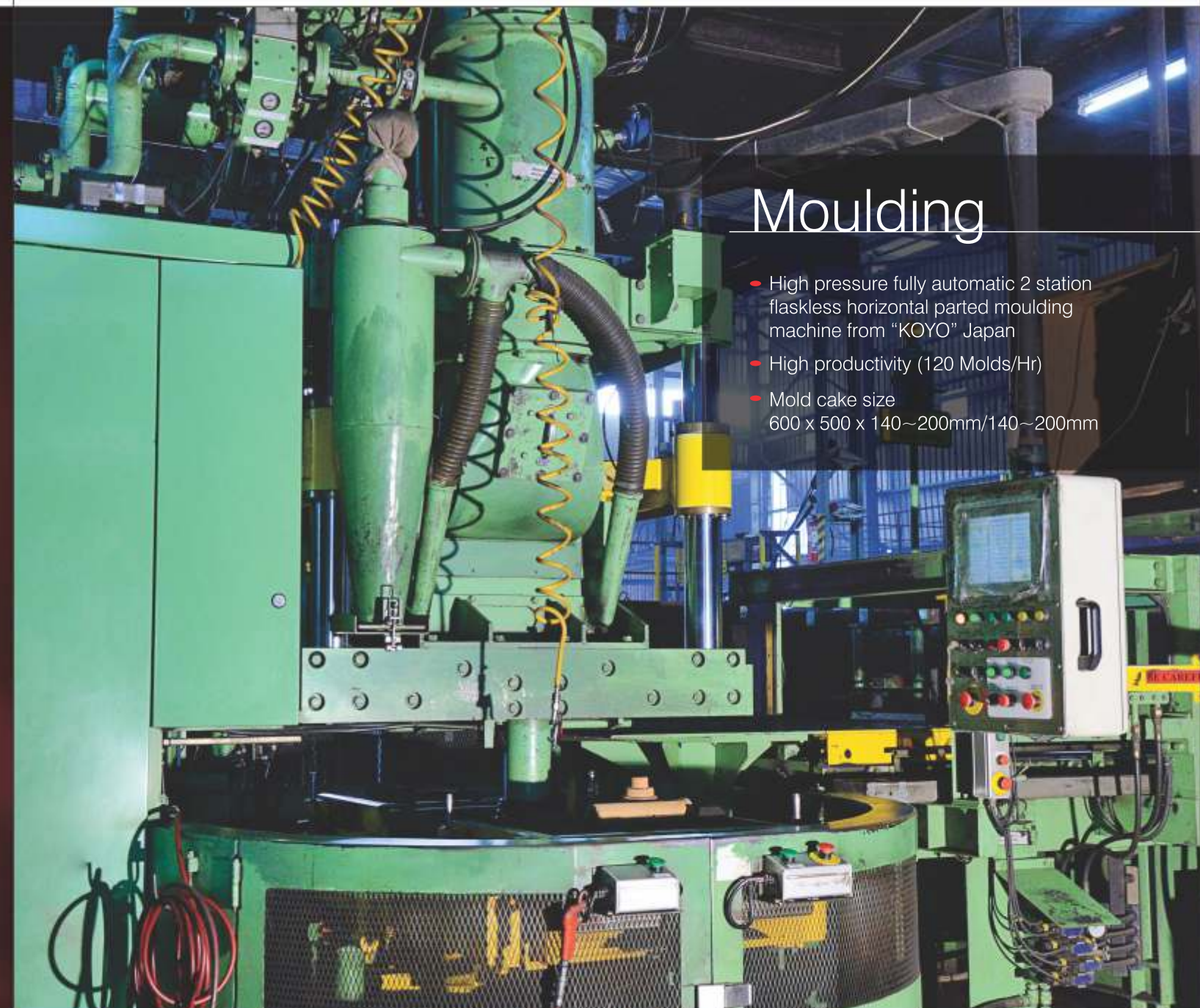
Melting

- Online CE Meter at Melt Shop
- Dual track "PLUS" Medium Frequency Induction Melting Furnace of 1250 KW/1500 Kg. / 3 Nos. Crucibles Inductotherm Make
- Melt Rate 2.7 Ton/Hr.
- Remote display crane weigher of 3 T capacity
- Crane with circular lifting electric magnet for charging the furnace crucible



Moulding

- High pressure fully automatic 2 station flaskless horizontal parted moulding machine from "KOYO" Japan
- High productivity (120 Molds/Hr)
- Mold cake size 600 x 500 x 140~200mm/140~200mm



Pouring

- 12 moulds on each of 3 lines for pouring
- Flexibility with 3 pouring lines & 3 cooling conveyors





Core Shop

- Cold box core shooter – 4 Nos.
- Shell core shooter – 5 Nos.
- CO₂ core making
- Sand mixers for core sand preparation



Fettling & Grinding

- Pneumatic & Electric Grinders



Sand Plant

- Mechanized sand plant-200 MT sand capacity
- High speed intensive sand mixer from Eirich, Germany for perfect mixing of return sand, new sand and Additives
- Flow meter for accurate water addition
- Fluidised bed sand cooler-50 TPH



Shot Blasting

- Hanger type Shot blasting machine – 1 Nos
- Tumbler Type Shot Blasting machine – 2 Nos



Shakeout

- Separate Shakeout for 3 separate cooling lines from Electromag
- Hydraulic Wedge cutting Machines for separation of runner, risers from casting bunch



Dispatch

- Wooden Box Packing
- Gunny Bag Packing
- Polythene Bag Packing

Quality

Hi-Mac works with the philosophy that "do it right at first time"

• Inspection & Quality Control

- Spectrometer - Bruker Quantron, Germany
- Universal Tensile Testing Machine - Shimadzu, Japan
- Metallurgical Microscope GX-51 - Olympus, Japan
- Height Gauge and surface plate
- Hardness Tester
- Sand Testing Lab
- Muffle Furnace
- Oven



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