



Geminy®



India's *LEADING* Manufacturer of
Machined **GREY IRON** &
SG IRON CASTINGS

www.geminy.in

COMPANY PROFILE

GEMINY is India's leading manufacturer of machined grey iron & SG iron castings. In 1981, we had set up a semi-mechanized foundry with a rich background in sewing machine assembly. In order to modernise the process and improve the quality and quantity of casting, we have now upgraded to a fully mechanised process. This state-of-the-art production facility is located on the National Highway, Ludhiana- New Delhi Road. It is within close proximity to the ICD. In 2020, a new Machining division with manufacturing Capacity of 150,000 High speed Lock Stitch Self Lubricated Sewing Machines per annum has been setup with an addition of 30 HMC, VMC & CNC machines from Tongtai & Hyundai to strengthen our machining facilities for uniform machining. We continuously upgrade our machining setup with new automatic hydraulic SPMs which are designed & manufactured in house. A new fully conveyerised paint-shop and Powder Coating plant has been installed which has improved the quality and durability of our product. This advanced setup is complimented with Two New Fully Automatic Horizontal and One Fully Automatic Vertical Flask-less High pressure Molding Lines from Koyo, Japan with combined capacity of 600 Molds per hour.

Our world-class testing & R&D facilities include the latest technology like AMTEK make Spectrometer, ZEISS coordinate measuring machine (CMM) & fully equipped Standard Room.

In 2021, Sheet metal component press shop complimented with separate Tool Room has been setup in order to manufacture precision sheet metal components.

We are proud to state that our in-house capabilities and an extensive product profile has helped us fulfil our customers' requirements within their timelines and quality standards by following our rigid process controls, standardisation and optimised scheduling, making GEMINY a preferred partner for win-win strategic alliances.



**TOTAL AREA
6,00,000 Sq. Ft.**

**COVERED AREA
1,10,000 Sq. Ft.**

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FOUNDRY

Melting | Moulding | Core | Shot Blasting

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MELTING SHOP

- Triple Track Induction Furnace with Load Manager
- 4 Tons Per Hour Capacity
- 3000 Kva Furnace Power Connection
- 2 Nos. E.O.T. Cranes with Magnets for Material Handling



MOULDING



- 1 Machine Fully Automatic Vertical Flask-less Molding from Koyo, Japan with 770x630x160~250mm mold size and capacity of 350 Molds per hour.
- 2 Machines Fully Automatic Horizontal Flask-less Molding from Koyo, Japan with 700x600x160~250mm mold size and capacity of 250 Molds per hour.





CORE SHOP

- Cold Box Core Making Machines
- Shell Sand Core Making Machines
- Co2 Gas Core Making Facility



SHOT BLASTING

- 2 Machines Hanger Type Two Blast Wheel
- 1 Machine Tumbler Shot Blasting
- 1 Machine Hanger Y-Type Three Blast Wheel Shot Blasting
- Over 3 Kms. of Material Handling Conveyors



CNC MACHINE SHOP

MACHINE SHOP



- 18 Machines Hyundai WIA Korea- Vertical Machining Centres with Pallet Changers
- 5 Machines Vertical Machining Centres, Taiwan
- 4 Machines Tongtai Taiwan, Horizontal Machining Centres
- 2 Machines CNC Turning, Taiwan
- BFW Big Table VMC for Pattern/Die Making



INPROCESS INSPECTION



- 14 Units Baker Air Gauges
- Zeiss Coordinate Measuring Machine
- Snap Gauges | Plug Gauges | Thread Gauges

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QUALITY TESTING AND INSPECTION

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QUALITY TESTING & INSPECTION



- Zeiss Contura G2 Coordinate Measuring Machine, Germany
- Ametek Spectro Maxx Spectrometer, Germany
- Micro Structure Microscope
- Universal Tensile Testing Machine
- Rockwell Hardness Tester
- Brinell Hardness Tester
- Fully Equipped Green Sand testing Lab with all accessories
- Mitutoyo Surface Roughness Tester
- Coating Thickness Gauge, Japan
- Air Gauges
- Mitutoyo Height Gauge
- Vernier Calipers
- Micrometers
- Filler Gauge
- Dial Gauge
- Supply Dials

**RPT FACILITY WITH 500X500 SIZE
3D PRINTER**

SHEET METAL PRESS SHOP



- C-Frame Power Presses Capacity – 10, 20, 30, 50, 75 Tons
- Broach Machines -2 nos
- Surface Grinders
- Riveting machine
- Milling machines
- Finishing Vibrator

POWDER COATING



- Automatic Powder Coating
- Plant with Conveyor
- 11 Tanks, Pre-Treatment
- Automatic Line
- Batch Type Powder Coating
- Facility



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SCAN QR FOR Geminy®



CORPORATE VIDEO

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