



GCI

GCI Group
INDIA • USA

GCI Castings India Pvt. Ltd.

IRON
RESOLVE
CASTINGS
BORN
THIS
WAY



THIS

IS
GCI
CASTINGS



InnovateDesignAutomate

ENGINEERING THE CONCRETE PIPE INDUSTRY.

GCI Castings was founded in 2004 to serve the captive needs of GCI Exports. The latter exclusively deals with the sale of Joint Rings for the concrete pipe industry in the USA, Canada, Australia and Europe.

Broadening its customer base, GCI Castings began by supplying high precision iron castings to domestic customers and exporting machined castings to Japan, Australia, UK, France and the Middle East, among other nations.

GCI Castings is an ISO 9001:2015 certified organization from December 2019. Along with various CNC machines, the Company has the capability of producing high quality, dimensionally accurate castings with narrow tolerance ranges.

ACROSS CONTINENTS.

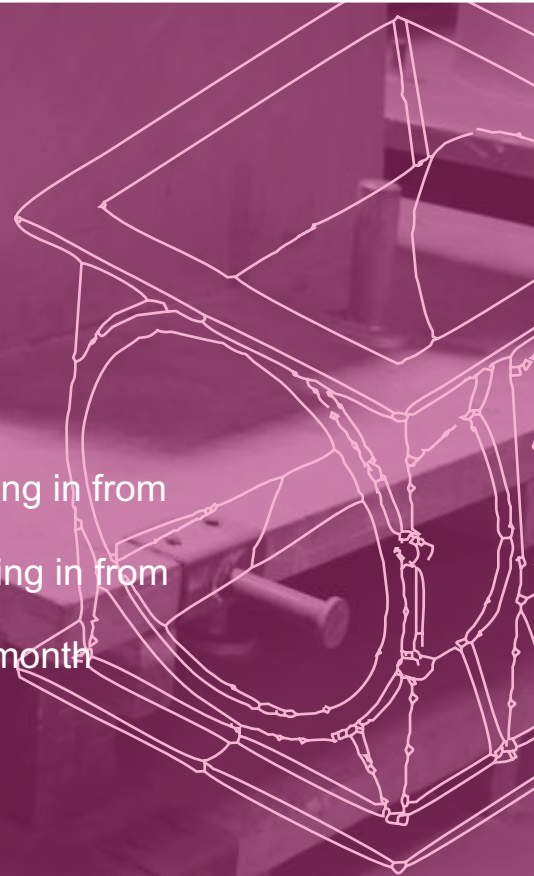
MANUFACTURING FACILITY

- @ Eco – friendly No-Bake FURAN Resin Sand System
- @ Capability to produce heavy and small castings by Hand Molding and Conveyor Molding System

...capability to produce high quality, dimensionally accurate castings...

CAPABILITIES

- @ S.G. iron castings of all grades; weighing in from 100 kgs. - 1500 kgs. for a single piece
- @ Cast iron castings of all grades; weighing in from 100 kgs. - 2000 kgs. For a single piece
- @ Production capacity: 300 metric tons/ month



CASTINGS FOR ALL

GCI manufactures castings for, among others, the following sectors :

- @Machine tool manufacturers
- @Earthmoving machinery
- @Pump and Valve manufacturers
- @Textile equipment manufacturers
- @Hydraulic and Pneumatic equipment manufacturers
- @General engineering sector
- @Energy sector (Renewable and Non-renewable)

The first production trials began on September 9, 2004 with a captive foundry.

ENGINEERING

- @ Solidworks – 3D modeling software
- @ Detailed process document is prepared for all components

The Company began with the marketing of construction castings to cities...

LABORATORY

- @ Spectro analysis for controlling metal specifications; 19 Channels (Ferrous and Non-Ferrous)
- @ Digital Metallurgical Microscope for checking micro-structure with image analyzer
- @ Complete sand testing and inspection facilities



Furnace

Two medium frequency 550 kw Single Track Induction Furnaces with a metal holding capacity of 1 MT each

Initially, drawings were sent to the foundry in India...



Sand and Molding System

- @ Resin bonded, No bake FURAN Sand System
- @ Continuous Mixer 20 MT/hr with Mechanical Sand Reclamation System
- @ Conveyor line for castings from 80kg – 150 kg
- @ Compacting table for conveyor line
- @ Shakeout system 3mtr x 3mtr
- @ Dust collector with Fluidized Bed Separation System and Compressor

Other facilities

- @ Crane with 10MT capacity hoist - 2nos (Molding & Closing)
- @ Crane with 5MT capacity hoist - 1no (Knock Out)
- @ Crane with 2MT capacity hoist - 4nos (Pattern Shop & Fettling)
- @ Crane with 1MT capacity hoist - 2nos (Conveyor Line)
- @ Machining facility for Castings; Turning, Milling, Boring (CNC)
- @ Captive genset backup with 250KVA gensets
- @ Pattern shop for simple thermocol pattern manufacturing and repair shop with storage facility for wooden and aluminum patterns

The initial setup for the foundry included the three part no bake system...



GCI Castings Private Limited is An ISO9001:2015 certified company



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GCI Castings (India) Pvt. Ltd.
68P, 67 & 68, 2 nd Phase, Jigani Industrial Area,
Bangalore 560 105

GCI Castings Inc.
4125 Bonner Industrial Drive, Shawnee,
Kansas 66226, USA