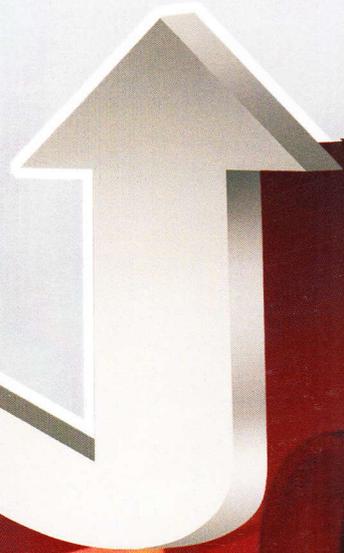




ISO/TS 16949:2009
Company



GUJARAT INDUSTRIES

Manufacturer of Rolled Rings, Bearings Races & Automotive Components



Company Brief

ISO/TS 16949:2009 Company

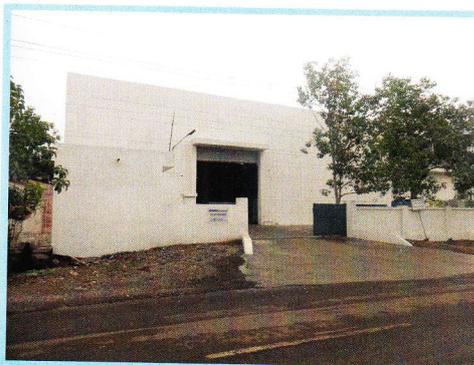
GUJARAT INDUSTRIES, one of the leading forging plant since 2004, Located in metoda GIDC, Rajkot city of Gujarat state (India) and 13 miles away from the Airport & Railway Station. Engaged in the manufacturing of various types of Rolled Rings, Bearing Races & Automotive Components. Under the leadership of Mr. Amit Tilva (M.D.) and Mr. Shailesh Tilva (Director). Gujarat Industries having now Full-fledged Forging Shop, Heat Treatment (Spheroidised Annealing) Shop, CNC Machining Shop, Die Shop, Tool Room, and a latest Testing Laboratory under one roof. Total Area of Gujarat Industries are 2062 Sq. Mtrs. & Constructed area are 11500 Sq. Feet.

Gujarat Industries has grown in the last 10 years increasing its output. GI set up very high goal internally to ensure that they continuously offer the excellent services and qualities to customers. Gujarat Industries is on its way to grow as a reputed company in Forging sector. This is possible only due to strict quality controls, dedication, sincerity and a sound management.

Materials being processed right now only Bearing steel, but we can also process carbon steel, Alloy steel, and stainless steel.

Quality assurance for all products is supported by Gujarat Industries. Total Quality Management System, Certified by ISO/TS 16949:2009 (Certification Body TUV SUD).

Our COMPANY Values



GUJARAT INDUSTRIES

ગુજરાત ઇન્ડસ્ટ્રીઝ

Plot No. 2228/1,
Kranti Gate, G.I.D.C. Metoda, Kalawad Road, Rajkot.

Customer Satisfaction

Our aim is to achieve continually increasing customer satisfaction by all means.

OUR COMPANY VALUES





ISO/TS 16949:2009 Company

Infrastructure

Gujarat Industries has skilled and trained staff working round the clock at its state of art production facility under one roof to facilitate easy and quick flow of processed material from one stage to another stage of processing to reduce manpower, time and cost.



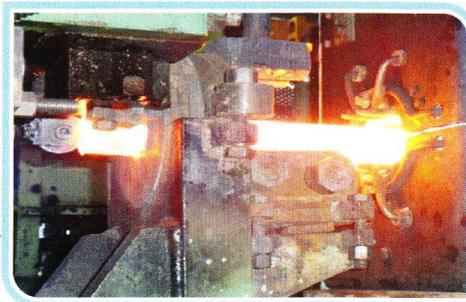
RAW MATERIAL



The Materials used for manufacturing bearing rings are Alloy Steel, 52100 grade and are procured from the Steel Mills approved by customers as per their specifications. We have state of the art, Metallurgical testing lab to carry out all kind of inspection of the materials received through the steel mills. To ensure the desired quality and consistency we keep track of each and every lot of steel supply received at our end. We follow system of FIFO for material usage.

Also we have sufficient loading and unloading facility at the raw material area for storing different grade of steel separately using proper identification as per colour code chart.

CUTTING PROCESS



We have hot shearing facility through induction long bar heaters. We carry out quality inspection like dimension, weight and visual inspection of cut blanks. Also both shearing machines are equipped with GO – NO GO System for controlling Over Heated and Under Heated cut pieces.

CUTTING PROCESS



Forging Process

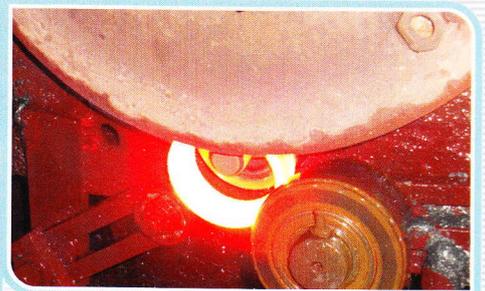
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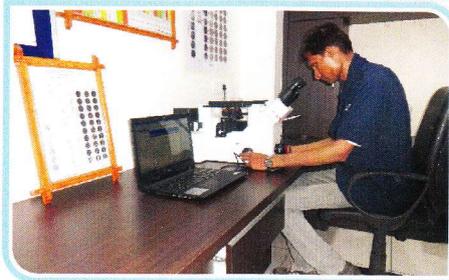
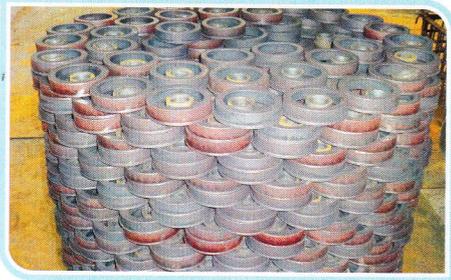
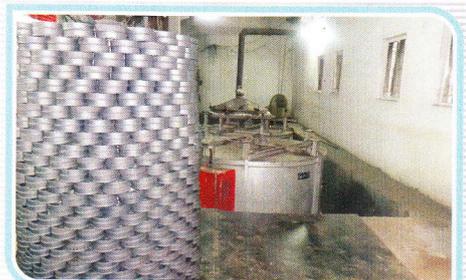
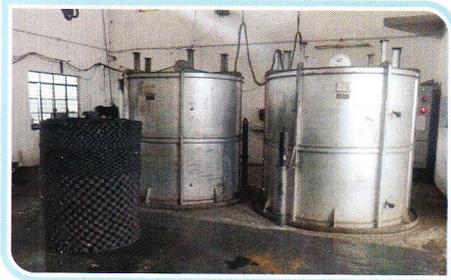


Heat Treatment Process (Annealing)

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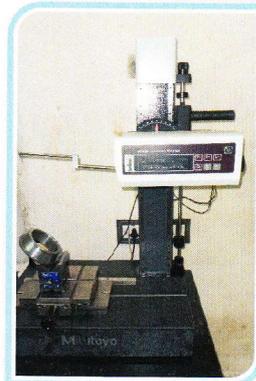
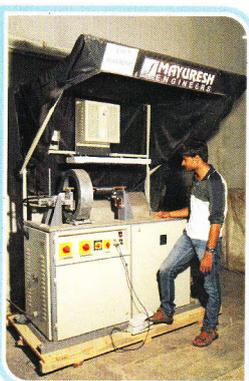
In house facility for Spherodize Annealing in bell type electrically heated, and pit type gas fired Furnaces to achieve customer's specified properties. We have 8 Nos. electrically heated Bell Type Furnaces and 1 No. gas fired Pit Type furnace. All electrically heated Furnaces are equipped with Fan for equivalent heat transfer from top to bottom. Each Furnace capacity is 3.5 Tons. Our total capacity of annealing is 450 MT. per month.

Also we have in house Shot Blasting facility for removal of scaling after Spherodized Annealing process.



CNC MACHINE SHOP

The machine shop at Gujarat Industries has inbuilt versatile capacities (OD 50mm to 200mm). We have installed a series of best of the breed CNC turning machines to maintain, quality, accuracy and productivity. We carry out rigid stage inspection as well as final dimensional, visual and crack detection inspection, on 100% checking to transferring finished products to packaging and dispatch department. Proper dipping method is also applied for application of Rust Preventive Oil on Finished Products. In total we have 11 CNC Turning Machines and 7 Lathes for Proof turning. From 11 CNC machines, 10 Nos. machines are Jobber XL (Make: Ace Micromatic) and 1 No. machine is SL12D Double Spindle (Make: Marshall Pvt. Ltd.). In CNC Turning, our installed production capacity is 2,00,000 rings per month.



CNC
MACHINE Shop



Quality Policy

- *It is our policy to ensure that the customer requirement is totally meet in terms of Quality, Quantity, Delivery and quick response to their complaints.*
- *We are committed to maintain an effective Quality Management System through the active involvement of our employees in all area of operations.*
- *To achieve this, we have established and will maintain efficient and effective Quality Management System which will meet the requirements of TS 16949:2009.*
- *It is our policy to ensure that no child labour is working in our premises.*

Quality Objective

Area	Sr. No.	Objectives
Top Management	1	To control cost of poor quality
Marketing	1	To increase sales turnover.
	2	To increase new product in existing customer.
	3	To control customer complaints.
	4	To increase customer satisfaction.
	5	To control customer end rejection
Material	1	To increase delivery performance.
	2	To control No. of incident of customer line stop page.
	3	To control No. of incident of premium freight.
Manufacturing	1	To utilize production capacity.
	2	To reduce breakdown hours.
Quality	1	To control in house rejection percentage.
Human Resource	1	To provide trainings for employee skill enhancement.





Quality Control & Testing Facilities

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Quality Control

- Metallurgical Microscope
(Olympus GX – 51, 1000X)
- Inverted Metallurgical Microscope
(Radical Instruments, 1000X)
- Non – Contact Infrared Pyrometer (-40°C to 1300°C)
- Infrared Thermometer Gun Type (-50°C to 1850°C)
- Rockwell Hardness Tester (HRC/HRB)
- Muffle Furnace (1000°C)
- Hot Mounting Machine – Up to 1"
- Double Disc Polishing Machine
- Hot Plate (0°C to 100°C)
- Hot Mounting Machine – Up to 3"
- Fine Polishing Machine
- Electromagnetic Crack Detector –
Mayuresh Engineers
- Profile Projector (1:10)
- Contracer (Mitutoyo)

Environment

Our responsibilities towards the environment around us.

We follow the following Principles.

- Healthy and Safe working environment for the employees.
- Continuous control of the raw material and energy consumption to save resources.
- Continuously trying to reducing the waste.
- Installation of precautionary steps against accidents that may have negative effects for the environment.

ENVIRONMENT



**GO
Green!**



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Company

GUJARAT INDUSTRIES

Plot No. 2228/1, Kranti Gate, GIDC, Metoda (Lodhika),
Kalavad Road, Dist. Rajkot. Pin : 360 021. (Gujarat) INDIA.
Telex : +91 2827 287500, Telefax : +91 2827 287525
E-mail : info@gujaratindustries.in
Web : www.gujaratindustries.in