

GAURANG HEAT TREATERS PRIVATE LIMITED



Gaurang Heat Treaters Pvt. Ltd., based in Navi Mumbai, has been a prominent player in the steel processing industry since its inception in 2005.

We have evolved into one of the leading fully-equipped heat treatment plants in the region, currently processing over 10,000 tons per annum.

Mr. Pawan Gupta, a seasoned professional with over 30 years of experience in the alloy and stainless - steel industry, Gaurang Heat Treaters has expanded to operate three state-of-the-art facilities:

Gaurang Heat Treaters Pvt. Ltd. (Unit-1): MIDC Talaja

Gaurang Heat Treaters Pvt. Ltd. (Unit-2): Khopoli

Perfect Bright Bars Pvt. Ltd.: MIDC Talaja

Our commitment to excellence and customer satisfaction has been the driving force behind our growth. With extensive experience in heat treatment, we are equipped to handle complex processing challenges, ensuring strict adherence to international standards. This allows us to meet the stringent specifications and quality requirements of our clients.

At Gaurang Heat Treaters, we believe in fostering long-term relationships with our partners and continually investing in the latest technologies to enhance our services. While punctuality in delivery is a priority, we never compromise on the quality of our heat treatment processes.

Our dedication to innovation, precision, and customer satisfaction has earned us ISO 9001:2015 certification, reflecting our commitment to maintaining the highest standards.

Each of our facilities is equipped with advanced features to cater to the unique requirements of our customers. Our focus on continuous improvement and customer-centric solutions has built our strong reputation in the industry.

Classification of steels being dealt with, are:

All grades of Alloy, Carbon, Stainless, Duplex & Super Duplex.

HEAT TREATMENT FACILITIES:

- Normalizing
- Full Annealing
- Hardening & Tempering (QT)
- Solution Annealing
- Stress Relieving (SR)
- Spherodised Annealing
- Precipitation Hardening (Ageing)

BRIGHT BAR FACILITIES:

- Drawing & Cutting
- Peeling & Polishing
- Centerless Grinding
- Shot Blasting



TECHNICAL SETUP WITH CAPABILITIES

Heat Treatment Unit at Taloja (GHT – Unit 1):

Wire rods, components, castings, forgings, and other complex shapes are Heat-Treated at this facility.

<u>Specification</u>	<u>Description</u>
No. of Furnaces	5 Nos.
Furnace type	Front opening box (Batch type)
Max. Operating temperature	1200°C
Max. Charge dimensions (mm)	2400 L * 1500 B * 1000 H for 4 Furnace 3000 L * 2300 B * 1000 H for 1 Furnace
Max. Charge weight	2500 kgs
Max. Quench delay	90 seconds
Temperature Control Accuracy	± 8°C
Furnace Insulation	Ceramic fiber blanket
Quenching tanks & Capacity	2 (Oil & water) – 20 KL each

Other details:

- PNG (Natural Gas) fired Furnaces.
- All Temperature Instruments, PID Controllers, Thermocouples & Furnaces are Calibrated by NABL approved agencies, as per
 - API 6A (Annexure-M),
 - AMS 2750 latest edition,
- Strip chart type Time-temperature graph recorder installed.
- Two thermocouples installed in each furnace.
- 62.5 KVA Diesel generator for back-up.
- Rotatory manipulator for the movement of material
- Brinell Hardness Machines for Quality control, by NABL approved agency.

Heat Treatment Unit at Khopoli: (GHT- Unit 2)

Roller Hearth Furnace

Pipes, Round bars, Squares, Flats are Heat-Treated in this equipment.

Mainly used for Hardening (Quenching), Solution Annealing.

<u>Specification</u>	<u>Description</u>
Max. Operating temperature	1100 ° C
Max. Charge dimensions (mm)	6700 L * 1200 B * 500 H
Max. Charge weight	2500 kgs
Max. Quench delay	< 25 seconds
Temperature Control Accuracy	± 8°C
Furnace Insulation	Ceramic Fiber, Mineral Wool lining, Cold-face, Hot-face & Hysil blocks
Quenching tank capacity	25000 liters

Bogie Hearth Furnace

Pipes, Round bars, Wire rods, Components and complex shapes are Heat-Treated at this facility.

Mainly used for Annealing, Tempering, Precipitation Hardening, Normalizing, etc.

<u>Specification</u>	<u>Description</u>
No. of Furnaces	2
Max. Operating temperature	1100°C
Max. Charge dimensions (mm)	8000 L * 2000 B * 1500 H
Max. Charge weight	12000 kgs
Temperature Control Accuracy	± 8°C
Furnace Insulation	Ceramic fiber blanket, brick linings & refractories

Other details:

- LDO fired Furnaces
- All Temperature Instruments, PID Controllers, Thermocouples & Furnaces are Calibrated by NABL approved agencies, as per
 - API 6A (Annexure-M),
 - AMS 2750 latest edition,
- Strip chart type Time-temperature graph recorder installed
- 82.5 KVA Diesel generator for back-up
- Brinell Hardness Machines for Quality control, calibrated by NABL approved agency.

Bright Bars facility at Taloja (Perfect Bright Bars Pvt. Ltd.)

<u>Machinery</u>	<u>Capacity</u>
Draw Bench- 2 Nos	Size range: upto 75 mm diameter Length upto 36 feet
Bull block – 1 No	Size Range: 5 mm – 22 mm diameter
Polishing – 2 Nos	Size Range: upto 75 mm diameter
Grinding– 2 Nos	Size range: 5 mm to 39 mm diameter. Tolerance: h9 / h11
Shearing / Cutting – 2 Nos	Size range: 7 mm - 22 mm

Other details:

- Peeling of bars upto 250 mm can be provided
- Lathe machine for maintenance purposes
- Two Coil & Bar End-Pointing machines
- Abrasive Cutting machine

STEEL – MANUFACTURING CUSTOMERS



**Jayaswal Neco
Industries Limited**



**RL Steel & Energy Ltd.,
Aurangabad**

BHARAT FORGE



**SANYO
SPECIAL
STEEL**

OEM CUSTOMERS



CONTACT US

Pawan Gupta - (+91) 9821638485 (Exp. in Heat Treatment – 30 years)

Gaurang Gupta - (+91) 9790539365 (B. Tech in Production Industrial Engg, Exp. of 5 years)

Website – www.gaurangheattreaters.com

Email – gauranght@gmail.com

Locations –

Gaurang Heat Treaters Private Limited Unit -1:

Plot No. M-72, Behind Bombay breweries, MIDC Taloja – 410208,
District - Raigad

Gaurang Heat Treaters Private Limited Unit-2:

Plot No. 1,2,3, Aditya Industrial Estate, Survey No. 94,
Village-Kumbhivali, Taluka – Khalapur, Khopoli – 410202,
District - Raigad

Perfect Bright Bars Private Limited:

Plot No. J-45, Near Sangam Hardware, MIDC Taloja – 410208,
District - Raigad

QUALITY POLICY

We are committed to providing heat treatment and bright bar services with highest quality that will meet or exceed customers' needs and expectations through standard practices and continually improved process.

- To provide our customers with high quality heat treatment and bright bar services.
- To deliver what they demand and maintain our competitiveness
- To ensure customer's applicable statutory & regulatory requirements are determined, understood and consistently met.
- To ensure the risks and opportunities that can affect conformity of materials and products are determined & addressed and the focus on enhancing customer and all interested parties' satisfaction is maintained.

VISION

- We want to be recognized as the leader in heat treatment & bright bar industry through innovative solutions & technologies and strive towards best-in-class processes in all functions.
- We aim to provide one-stop solution & 100% finished material so as to reduce the hassle faced by our customers.
- We want to build strong strategic partnerships with our customers and suppliers.

MISSION

We aim to achieve complete customer satisfaction by continuously providing the highest quality in products and services and in turn, strengthening our leadership position in the steel industry.

We achieve this by maintaining the founding principles of our company:
Integrity, Quality and Innovation.