



LOBE COMPONENTS (P) LTD.
HEAT TREATMENT DIVISION



Fully Equipped Heat Treatment Facility in Ambattur, Chennai

Manufacturing Equipment

SEALED QUENCH FURNACE LINE

SQF: 2 nos.

- Capacity: 600 Kg/charge
- Size: 1250x650x650 mm
- Thyristor-controlled



Manufacturing Equipment

SEALED QUENCH FURNACE LINE

Tempering Furnace: 3 nos.

- Temperature: up to 600°C
- Integrated with washing machine in-line



Manufacturing Equipment

SEALED QUENCH FURNACE LINE

Washing Machine: 2 nos.

- Automated control
- Separate Pre & Post washing



Manufacturing Equipment

INDUCTION HARDENING MACHINE

Induction Hardening: 2 nos.

- High Freq. 60 KW, 100 KHz, scan 500 mm
- Radial Freq. 50 KW, 300 KHz, scan 750 mm



Inspection Equipment

METALLURGICAL MICROSCOPE

Metallurgical Microscope

- Carl Zeiss, 50x – 1000x
- With image analyzer



Inspection Equipment

MICRO VICKERS HARDNESS TESTER

Micro Vickers Hardness

- MATSUZAWA MMT 7 B
- 1g to 2000g; Auto loading



Inspection Equipment

HARDNESS TESTERS

Hardness Testers

- Rockwell hardness Tester
- Superficial Hardness Tester
- Rockwell cum Brinell Hardness
- Vickers Hardness 5Kg to 50Kg
- Brinell 3000Kg Hardness Tester



Support Infrastructure

- **Normalizing Furnace**
 - Capacity 700 Kg
 - Temperature up to 1000°C
- **Sub-zero treatment with Tempering**
 - Capacity 600 Kg
 - Temperature range -75°C to 200°C
- **Tempering Oven**
 - Capacity 600 Kg
 - Temperature up to 250°C
- **Shot Blasting**
 - Airless, tumble blasting
- **Mould preparation equipment**
- **Magnetic Particle inspection**
- **Power back-up 3x200 KVA**

Thank you



Services provided

- ✓ Case Carburizing
- ✓ Carbo-Nitriding
- ✓ Hardening and Tempering
- ✓ Induction Hardening & Tempering
- ✓ Sub-zero Treatment
- ✓ Normalizing
- ✓ Shot Blasting

Plant address

GLOBE COMPONENTS (P) LTD.
HEAT TREATMENT DIVISION
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