

# METALS-INDIA

(A Heat Treatment Unit)

For Ferrous, Non Ferrous Metals and Automobile Components

(An ISO 9001: 2000 Certified Company)

We would like to introduce ourselves as a leading heat treatment unit in North India. We are in the business for the last 25 years & have following PLC controlled equipments to carry out all Heat Treatment jobs as detailed below

## STATE OF ART TECHNOLOGY

- Fully Automatic Sealed Quench Furnaces (Wesman Ipsen)-2Nos.
- Fully Automatic Nitriding Furnaces (Wesman Ipsen)-01 No
- Pneumatically operated Pusher type continuous furnaces with Oil /Water quench and Polymer quench facilities-03Nos.
- Fluidized Bed Furnace with automatic Temperature controllers and graph recorders -01No
- Table Type double door Shot Blasting Machine
- Ultrasonic Cleaning Machine
- Induction Annealing Machine
- **Introducing in India, First commercial Vacuum Furnace (Turbotreater™, AvaC™, AvaCN™) heat treatment technology from Abar-Ipsen USA.**

## HEAT TREATMENT PROCESSES

- |  |                           |                        |
|--|---------------------------|------------------------|
| ➤ Annealing                                      | ➤ Normalizing             | ➤ Isothermal Annealing |
| ➤ Carburising                                    | ➤ Stress Reliving         | ➤ Aluminum ageing      |
| ➤ Carbo-Nitriding                                | ➤ Nitro-Carburising       | ➤ Neutral hardening    |
| ➤ Solution Annealing                             | ➤ Hardening and Tempering | ➤ Gas Nitriding        |
| ➤ Heat Treatment of Die Steel and Hot Die Steels |                           |                        |
| ➤ Heat Treatment in Inert atmosphere             |                           |                        |

## TESTING FACILITIES

- |  |                         |   |
|--|-------------------------|---|
| ➤ Automated Vickers Micro-hardness tester                          | ➤ Carlzeiss Microscope  | ➤ Rockwell & Superficial Hardness Testers |
| ➤ Portable Hardness testers<br>Kraunkramer & Wilson Wolpert (Make) | ➤ Image Analyzer System | ➤ Brinell Hardness testers                |

We request you to register us for the heat treatment of your components, Tools / Dies.  
For any clarification or additional information please feel free to contact us. We shall feel obliged.  
Assuring you our best services.

With Warm Regards

Rakesh Gupta

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