

India Heat Treating Market Report and Forecast 2025-2034

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Report description:

The India heat treating market is projected to reach a value of USD 5.46 Billion in 2024. It is projected to grow at a CAGR of 7.10% between 2025 and 2034 to reach USD 10.84 Billion by 2034.

India Heat Treating Market Outlook

- It is anticipated that the Indian aerospace & defence (A&D) sector will reach approximately USD 70 billion by 2030.
- During July-September 2023, the construction sector in India grew by 13.3% as compared to the same period in 2022.
- In FY23, the automotive sector in India witnessed 12.5% growth reaching 2,38,53,463 units.

India Heat Treating Market Growth

Heat treating is being widely adopted to modify or enhance the properties of a particular application. Steel companies across India expose their steel towards heat treatment to change the uneven grains into uniform sizes and shapes and reduce their strength and toughness. The expansion of the automotive sector in India is significantly contributing to the growth of India heat-treating market. In FY23, the total annual production of automobiles in India was 25.9 million. According to the World Steel Organisation, about 900 kg of steel is used in a single vehicle. The automotive sector makes use of heat treating majorly to manufacture wheel bearings, gear, rings, shafts, and bushings.

The heat treatment of steel changes its properties, improving its hardness and enhancing other properties such as toughness and ductility. The improvement in such properties is important for the production of gears, tools, and other machine parts. Normalising, a kind of heat treatment, is carried out to improve the microstructure of metals.

The major steel producing states in India are Odisha, Jharkhand, West Bengal, and Chhattisgarh. Additionally, the major states

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with automobile production include Andhra Pradesh, Gujarat, Haryana, and Karnataka, among others. The increasing steel production for use in the automobile, aerospace and construction sectors in India is supporting the market for heat treating.

India Heat Treating Industry Segmentation

India Heat Treating Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

Market Breakup by Material:

- Steel
- Cast Iron
- Others

Market Breakup by Process:

- Hardening and Tempering
- Case Hardening
- Annealing
- Normalising
- Others

Market Breakup by Equipment:

- Fuel-fired Furnace
- Electrically heated Furnace
- Others

Market Breakup by Application:

- Automotive
- Aerospace
- Metalworking
- Machine
- Construction
- Others

Market Breakup by Region:

- North India
- East and Central India
- West India
- South India

India Heat Treating Market Share

Based on region, the market is divided into North India, East and Central India, West India, and South India. Among these, West

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India is projected to be the fastest growing market, expanding at a CAGR of 7.8% during 2025-2034. Meanwhile, East and Central India is expected to grow significantly, due to the presence of a large number of metal working industries, significant automobile manufacturing, and increasing construction activities.

Leading Companies in the India Heat Treating Market

The market participants are integrating advanced technologies for precision and improved performance of metals with heat treatment.

- Uddeholm India
- Kern-Liebers (India) Private Limited.
- Unitherm Engineers Limited
- Ambattur Heat Treaters Pvt. Ltd.
- Super Heat Treatment Plant
- Wesman Engineering Co. Pvt. Ltd.
- Deck India Engineering Pvt. Ltd.
- Others

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