

India Heat Treating Market Analysis By Material (Steel, Cast Iron), By Process (Case Hardening, Annealing), By Equipment (Fuel-fired Furnace, Electrically-heated Furnace), By Application (Automotive, Aerospace), And Segment Forecasts, 2012 - 2027

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Abstracts

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The India heat treating market is expected to reach USD 8.37 billion by 2027 at a 7.5% CAGR, according to a report by Grand View Research, Inc. Entry of various automotive manufacturers in the country has fueled the demand for heat treating services over the past few years.

Heat treating involves controlled heating and cooling of materials to attain distinct mechanical properties such as strength, flexibility, and hardness. Steel is the most commonly used material for heat treating in India, along with cast iron, aluminum, copper, brass, and other metals.

The use of high-strength steel in the automotive industry has increased at an exponential rate, owing to requirements of light-weight vehicles with improved fuel efficiency. Rapid growth of the Indian automotive sector has propelled the demand for heat treating. Heat treated components are used in numerous auto-parts, such as transmission, suspension, engine, body frame, and braking systems.

Players in the heat treating market in India are focusing on the implementation of green technologies and processes to reduce environmental footprint. Companies are focused on increasing the use of natural gas-fired and electrically-heated furnaces. Use of induction heating and plasma heating is estimated to rise at a rapid pace over the next

few years.

Further key findings from the report suggest:

The India heat treating market was valued at USD 3.80 billion in 2016 and is expected to expand at a CAGR of 7.5% from 2017 to 2027

Market growth can be attributed to rapidly-expanding industries such as automotive and aerospace

Steady GDP growth and progressive economic performance of the country has attracted significant foreign investments in end-use industries such as automotive and aerospace. This has encouraged various players from the international market to reinforce their presence in India

Penetration of energy-efficient and green technologies is projected to open new avenues in the market, providing local vendors potential to compete with international players

In terms of revenue, the automotive application segment accounted for 50% of the India market in 2016, followed by aerospace. Prospective growth in the automotive industry has created lucrative opportunities for players

By process, the case hardening segment is expected to witness the highest CAGR of 8.2% over the forecast period on account of increasing adoption of carburizing over traditional hardening process

South India and West India are anticipated to be the most lucrative regions in the India heat treating market. South India dominated the market with a share of close to 40% in 2016

The market in West India is likely to experience ample growth over the forecast period, owing to attractive business opportunities in Gujarat. East India and North East India are predicted to exhibit sluggish growth due to political instability and limited

Key players in the Indian market include Unitherm Engineers Limited, HighTemp Furnaces Limited, Deck India Engineering Pvt. Ltd., Sourabh Inductotherm, and AFECO Heating Systems. Augmented use of advanced technologies is

predicted to aid Indian players in meeting international standards and strengthening their presence in the global market.

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