

Advanced High-strength Steel - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global advanced high-strength steel market is accounted for \$13,650.53 billion in 2017 and is expected to reach \$420,07.65 billion by 2026 growing at a CAGR of 13.3%. Rise in penetration of lightweight components, increase in need to curb CO2 emissions, development of the automotive industry are some of the key factors fueling the market growth. However, availability of substitutes in the market and high production costs of high strength steels due to increased prices of raw materials are restricting the market. In addition, increased investments, support from governments of different countries and increased consumption of high strength steels in emerging economies are expected to boost this market growth prospects in the coming years.

Advanced high-strength steels are complex sophisticated materials containing multiphase microstructures and chemical compositions resulting from precisely controlled cooling and heating processes. These steels possess yield strength of 550 MPa and tensile strength of 780 MPa. They offer high strength and optimized formability, which allows weight reduction and design freedom for various types of crash components and structural reinforcements.

Amongst type, the high strength low alloy segment held considerable market share during the predicted period. These low levels of alloying elements allow easy tempering and quenching of high strength low alloy steels so that high levels of impact toughness and strength can be obtained. High strength low alloy steels are low carbon steel and are widely used in the automotive industry. By Geography, Asia Pacific will be the major revenue contributor to the market and is projected to grow at the highest CAGR during the forecast period. Technological advancements in the automotive and construction industries of countries are China, Japan & South Korea.

Some of the key players in the global advanced high-strength steel market are Angang Steel Company Limited, ArcelorMittal S.A, Tata Steel, United States Steel Corporation, Steel Authority of India Limited, Baosteel Group Corporation, Nippon Steel & Sumitomo Metal Corporation, SSAB AB, Posco Group, Voestalpine AG, WEC Group Ltd, Kobe Steel, Ltd, Ak Steel Holding Corporation and Nucor Corporation.

Type of Materials Covered:

TRIP Steels

Martensitic Steels

Dual Phase Steels

Boron Steels

Other Type of Materials

Applications Covered:

Suspensions

Body and Closures

Bumper and Intrusion Beams

Other Applications

Grades Covered:

Complex phase

Transformation-induced plasticity (TRIP)

Other Grades

End Users Covered:

Construction

Automotive

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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