

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

<https://marketpublishers.com/r/AAE653C3AB7EN.html>

Date: March 2018

Pages: 178

Price: US\$ 4,150.00 (Single User License)

ID: AAE653C3AB7EN

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

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Grade
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Futuristic Market Scenario

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL ADVANCED HIGH-STRENGTH STEEL MARKET, BY TYPE OF MATERIAL

- 5.1 Introduction
- 5.2 TRIP Steels
- 5.3 Martensitic Steels
- 5.4 Dual Phase Steels
- 5.5 Boron Steels
- 5.6 Other Type of Materials

6 GLOBAL ADVANCED HIGH-STRENGTH STEEL MARKET, BY APPLICATION

- 6.1 Introduction
- 6.2 Suspensions
- 6.3 Body and Closures
- 6.4 Bumper and Intrusion Beams
- 6.5 Other Applications

7 GLOBAL ADVANCED HIGH-STRENGTH STEEL MARKET, BY GRADE

- 7.1 Introduction
- 7.2 Complex phase
- 7.3 Transformation-induced plasticity (TRIP)
- 7.4 Other Grades

8 GLOBAL ADVANCED HIGH-STRENGTH STEEL MARKET, BY END USER

- 8.1 Introduction
- 8.2 Construction
- 8.3 Automotive
- 8.4 Other End Users

9 GLOBAL ADVANCED HIGH-STRENGTH STEEL MARKET, BY GEOGRAPHY

- 9.1 Introduction
- 9.2 North America
 - 9.2.1 US
 - 9.2.2 Canada
 - 9.2.3 Mexico

9.3 Europe

9.3.1 Germany

9.3.2 UK

9.3.3 Italy

9.3.4 France

9.3.5 Spain

9.3.6 Rest of Europe

9.4 South America

9.4.1 Japan

9.4.2 China

9.4.3 India

9.4.4 Australia

9.4.5 New Zealand

9.4.6 South Korea

9.4.7 Rest of South America

9.5 South America

9.5.1 Argentina

9.5.2 Brazil

9.5.3 Chile

9.5.4 Rest of South America

9.6 Middle East & Africa

9.6.1 Saudi Arabia

9.6.2 UAE

9.6.3 Qatar

9.6.4 South Africa

9.6.5 Rest of Middle East & Africa

10 KEY DEVELOPMENTS

10.1 Agreements, Partnerships, Collaborations and Joint Ventures

10.2 Acquisitions & Mergers

10.3 New Product Launch

10.4 Expansions

10.5 Other Key Strategies

11 COMPANY PROFILING

11.1 Angang Steel Company Limited

11.2 Arcelormittal S.A

- 11.3 Tata Steel
- 11.4 United States Steel Corporation
- 11.5 Steel Authority of India Limited
- 11.6 Baosteel Group Corporation
- 11.7 Nippon Steel & Sumitomo Metal Corporation
- 11.8 SSAB AB
- 11.9 Posco Group
- 11.10 Voestalpine Ag
- 11.11 WEC Group Ltd. (MTL Advanced Ltd.)
- 11.12 Kobe Steel, Ltd.
- 11.13 AK STEEL HOLDING CORPORATION
- 11.14 Nucor Corporation

List Of Tables

LIST OF TABLES

Table 1 Global Advanced High-strength Steel Market Outlook, By Region (2016-2026) (US\$ MN)

Table 2 Global Advanced High-strength Steel Market Outlook, By Type of Material (2016-2026) (US\$ MN)

Table 3 Global Advanced High-strength Steel Market Outlook, By TRIP Steels (2016-2026) (US\$ MN)

Table 4 Global Advanced High-strength Steel Market Outlook, By Martensitic Steels (2016-2026) (US\$ MN)

Table 5 Global Advanced High-strength Steel Market Outlook, By Dual Phase Steels (2016-2026) (US\$ MN)

Table 6 Global Advanced High-strength Steel Market Outlook, By Boron Steels (2016-2026) (US\$ MN)

Table 7 Global Advanced High-strength Steel Market Outlook, By Other Type of Materials (2016-2026) (US\$ MN)

Table 8 Global Advanced High-strength Steel Market Outlook, By Application (2016-2026) (US\$ MN)

Table 9 Global Advanced High-strength Steel Market Outlook, By Suspensions (2016-2026) (US\$ MN)

Table 10 Global Advanced High-strength Steel Market Outlook, By Body and Closures (2016-2026) (US\$ MN)

Table 11 Global Advanced High-strength Steel Market Outlook, By Bumper and Intrusion Beams (2016-2026) (US\$ MN)

Table 12 Global Advanced High-strength Steel Market Outlook, By Other Applications (2016-2026) (US\$ MN)

Table 13 Global Advanced High-strength Steel Market Outlook, By Grade (2016-2026) (US\$ MN)

Table 14 Global Advanced High-strength Steel Market Outlook, By Complex phase (2016-2026) (US\$ MN)

Table 15 Global Advanced High-strength Steel Market Outlook, By Transformation-induced plasticity (TRIP) (2016-2026) (US\$ MN)

Table 16 Global Advanced High-strength Steel Market Outlook, By Other Grades (2016-2026) (US\$ MN)

Table 17 Global Advanced High-strength Steel Market Outlook, By End User (2016-2026) (US\$ MN)

Table 18 Global Advanced High-strength Steel Market Outlook, By Construction

(2016-2026) (US\$ MN)

Table 19 Global Advanced High-strength Steel Market Outlook, By Automotive

(2016-2026) (US\$ MN)

Table 20 Global Advanced High-strength Steel Market Outlook, By Other End Users

(2016-2026) (US\$ MN)

Table 21 North America Advanced High-strength Steel Market Outlook, By Country

(2016-2026) (US\$ MN)

Table 22 North America Advanced High-strength Steel Market Outlook, By Type of

Material (2016-2026) (US\$ MN)

Table 23 North America Advanced High-strength Steel Market Outlook, By TRIP Steels

(2016-2026) (US\$ MN)

Table 24 North America Advanced High-strength Steel Market Outlook, By Martensitic

Steels (2016-2026) (US\$ MN)

Table 25 North America Advanced High-strength Steel Market Outlook, By Dual Phase

Steels (2016-2026) (US\$ MN)

Table 26 North America Advanced High-strength Steel Market Outlook, By Boron Steels

(2016-2026) (US\$ MN)

Table 27 North America Advanced High-strength Steel Market Outlook, By Other Type

of Materials (2016-2026) (US\$ MN)

Table 28 North America Advanced High-strength Steel Market Outlook, By Application

(2016-2026) (US\$ MN)

Table 29 North America Advanced High-strength Steel Market Outlook, By Suspensions

(2016-2026) (US\$ MN)

Table 30 North America Advanced High-strength Steel Market Outlook, By Body and

Closures (2016-2026) (US\$ MN)

Table 31 North America Advanced High-strength Steel Market Outlook, By Bumper and

Intrusion Beams (2016-2026) (US\$ MN)

Table 32 North America Advanced High-strength Steel Market Outlook, By Other

Applications (2016-2026) (US\$ MN)

Table 33 North America Advanced High-strength Steel Market Outlook, By Grade

(2016-2026) (US\$ MN)

Table 34 North America Advanced High-strength Steel Market Outlook, By Complex

phase (2016-2026) (US\$ MN)

Table 35 North America Advanced High-strength Steel Market Outlook, By

Transformation-induced plasticity (TRIP) (2016-2026) (US\$ MN)

Table 36 North America Advanced High-strength Steel Market Outlook, By Other

Grades (2016-2026) (US\$ MN)

Table 37 North America Advanced High-strength Steel Market Outlook, By End User

(2016-2026) (US\$ MN)

Table 38 North America Advanced High-strength Steel Market Outlook, By Construction (2016-2026) (US\$ MN)

Table 39 North America Advanced High-strength Steel Market Outlook, By Automotive (2016-2026) (US\$ MN)

Table 40 North America Advanced High-strength Steel Market Outlook, By Other End Users (2016-2026) (US\$ MN)

Table 41 Europe Advanced High-strength Steel Market Outlook, By Country (2016-2026) (US\$ MN)

Table 42 Europe Advanced High-strength Steel Market Outlook, By Type of Material (2016-2026) (US\$ MN)

Table 43 Europe Advanced High-strength Steel Market Outlook, By TRIP Steels (2016-2026) (US\$ MN)

Table 44 Europe Advanced High-strength Steel Market Outlook, By Martensitic Steels (2016-2026) (US\$ MN)

Table 45 Europe Advanced High-strength Steel Market Outlook, By Dual Phase Steels (2016-2026) (US\$ MN)

Table 46 Europe Advanced High-strength Steel Market Outlook, By Boron Steels (2016-2026) (US\$ MN)

Table 47 Europe Advanced High-strength Steel Market Outlook, By Other Type of Materials (2016-2026) (US\$ MN)

Table 48 Europe Advanced High-strength Steel Market Outlook, By Application (2016-2026) (US\$ MN)

Table 49 Europe Advanced High-strength Steel Market Outlook, By Suspensions (2016-2026) (US\$ MN)

Table 50 Europe Advanced High-strength Steel Market Outlook, By Body and Closures (2016-2026) (US\$ MN)

Table 51 Europe Advanced High-strength Steel Market Outlook, By Bumper and Intrusion Beams (2016-2026) (US\$ MN)

Table 52 Europe Advanced High-strength Steel Market Outlook, By Other Applications (2016-2026) (US\$ MN)

Table 53 Europe Advanced High-strength Steel Market Outlook, By Grade (2016-2026) (US\$ MN)

Table 54 Europe Advanced High-strength Steel Market Outlook, By Complex phase (2016-2026) (US\$ MN)

Table 55 Europe Advanced High-strength Steel Market Outlook, By Transformation-induced plasticity (TRIP) (2016-2026) (US\$ MN)

Table 56 Europe Advanced High-strength Steel Market Outlook, By Other Grades (2016-2026) (US\$ MN)

Table 57 Europe Advanced High-strength Steel Market Outlook, By End User

(2016-2026) (US\$ MN)

Table 58 Europe Advanced High-strength Steel Market Outlook, By Construction

(2016-2026) (US\$ MN)

Table 59 Europe Advanced High-strength Steel Market Outlook, By Automotive

(2016-2026) (US\$ MN)

Table 60 Europe Advanced High-strength Steel Market Outlook, By Other End Users

(2016-2026) (US\$ MN)

Table 61 Asia Pacific Advanced High-strength Steel Market Outlook, By Country

(2016-2026) (US\$ MN)

Table 62 Asia Pacific Advanced High-strength Steel Market Outlook, By Type of Material (2016-2026) (US\$ MN)

Table 63 Asia Pacific Advanced High-strength Steel Market Outlook, By TRIP Steels (2016-2026) (US\$ MN)

Table 64 Asia Pacific Advanced High-strength Steel Market Outlook, By Martensitic Steels (2016-2026) (US\$ MN)

Table 65 Asia Pacific Advanced High-strength Steel Market Outlook, By Dual Phase Steels (2016-2026) (US\$ MN)

Table 66 Asia Pacific Advanced High-strength Steel Market Outlook, By Boron Steels (2016-2026) (US\$ MN)

Table 67 Asia Pacific Advanced High-strength Steel Market Outlook, By Other Type of Materials (2016-2026) (US\$ MN)

Table 68 Asia Pacific Advanced High-strength Steel Market Outlook, By Application (2016-2026) (US\$ MN)

Table 69 Asia Pacific Advanced High-strength Steel Market Outlook, By Suspensions (2016-2026) (US\$ MN)

Table 70 Asia Pacific Advanced High-strength Steel Market Outlook, By Body and Closures (2016-2026) (US\$ MN)

Table 71 Asia Pacific Advanced High-strength Steel Market Outlook, By Bumper and Intrusion Beams (2016-2026) (US\$ MN)

Table 72 Asia Pacific Advanced High-strength Steel Market Outlook, By Other Applications (2016-2026) (US\$ MN)

Table 73 Asia Pacific Advanced High-strength Steel Market Outlook, By Grade (2016-2026) (US\$ MN)

Table 74 Asia Pacific Advanced High-strength Steel Market Outlook, By Complex phase (2016-2026) (US\$ MN)

Table 75 Asia Pacific Advanced High-strength Steel Market Outlook, By Transformation-induced plasticity (TRIP) (2016-2026) (US\$ MN)

Table 76 Asia Pacific Advanced High-strength Steel Market Outlook, By Other Grades (2016-2026) (US\$ MN)

Table 77 Asia Pacific Advanced High-strength Steel Market Outlook, By End User (2016-2026) (US\$ MN)

Table 78 Asia Pacific Advanced High-strength Steel Market Outlook, By Construction (2016-2026) (US\$ MN)

Table 79 Asia Pacific Advanced High-strength Steel Market Outlook, By Automotive (2016-2026) (US\$ MN)

Table 80 Asia Pacific Advanced High-strength Steel Market Outlook, By Other End Users (2016-2026) (US\$ MN)

Table 81 South America Advanced High-strength Steel Market Outlook, By Country (2016-2026) (US\$ MN)

Table 82 South America Advanced High-strength Steel Market Outlook, By Type of Material (2016-2026) (US\$ MN)

Table 83 South America Advanced High-strength Steel Market Outlook, By TRIP Steels (2016-2026) (US\$ MN)

Table 84 South America Advanced High-strength Steel Market Outlook, By Martensitic Steels (2016-2026) (US\$ MN)

Table 85 South America Advanced High-strength Steel Market Outlook, By Dual Phase Steels (2016-2026) (US\$ MN)

Table 86 South America Advanced High-strength Steel Market Outlook, By Boron Steels (2016-2026) (US\$ MN)

Table 87 South America Advanced High-strength Steel Market Outlook, By Other Type of Materials (2016-2026) (US\$ MN)

Table 88 South America Advanced High-strength Steel Market Outlook, By Application (2016-2026) (US\$ MN)

Table 89 South America Advanced High-strength Steel Market Outlook, By Suspensions (2016-2026) (US\$ MN)

Table 90 South America Advanced High-strength Steel Market Outlook, By Body and Closures (2016-2026) (US\$ MN)

Table 91 South America Advanced High-strength Steel Market Outlook, By Bumper and Intrusion Beams (2016-2026) (US\$ MN)

Table 92 South America Advanced High-strength Steel Market Outlook, By Other Applications (2016-2026) (US\$ MN)

Table 93 South America Advanced High-strength Steel Market Outlook, By Grade (2016-2026) (US\$ MN)

Table 94 South America Advanced High-strength Steel Market Outlook, By Complex phase (2016-2026) (US\$ MN)

Table 95 South America Advanced High-strength Steel Market Outlook, By Transformation-induced plasticity (TRIP) (2016-2026) (US\$ MN)

Table 96 South America Advanced High-strength Steel Market Outlook, By Other

Grades (2016-2026) (US\$ MN)

Table 97 South America Advanced High-strength Steel Market Outlook, By End User (2016-2026) (US\$ MN)

Table 98 South America Advanced High-strength Steel Market Outlook, By Construction (2016-2026) (US\$ MN)

Table 99 South America Advanced High-strength Steel Market Outlook, By Automotive (2016-2026) (US\$ MN)

Table 100 South America Advanced High-strength Steel Market Outlook, By Other End Users (2016-2026) (US\$ MN)

Table 101 Middle East & Africa Advanced High-strength Steel Market Outlook, By Country (2016-2026) (US\$ MN)

Table 102 Middle East & Africa Advanced High-strength Steel Market Outlook, By Type of Material (2016-2026) (US\$ MN)

Table 103 Middle East & Africa Advanced High-strength Steel Market Outlook, By TRIP Steels (2016-2026) (US\$ MN)

Table 104 Middle East & Africa Advanced High-strength Steel Market Outlook, By Martensitic Steels (2016-2026) (US\$ MN)

Table 105 Middle East & Africa Advanced High-strength Steel Market Outlook, By Dual Phase Steels (2016-2026) (US\$ MN)

Table 106 Middle East & Africa Advanced High-strength Steel Market Outlook, By Boron Steels (2016-2026) (US\$ MN)

Table 107 Middle East & Africa Advanced High-strength Steel Market Outlook, By Other Type of Materials (2016-2026) (US\$ MN)

Table 108 Middle East & Africa Advanced High-strength Steel Market Outlook, By Application (2016-2026) (US\$ MN)

Table 109 Middle East & Africa Advanced High-strength Steel Market Outlook, By Suspensions (2016-2026) (US\$ MN)

Table 110 Middle East & Africa Advanced High-strength Steel Market Outlook, By Body and Closures (2016-2026) (US\$ MN)

Table 111 Middle East & Africa Advanced High-strength Steel Market Outlook, By Bumper and Intrusion Beams (2016-2026) (US\$ MN)

Table 112 Middle East & Africa Advanced High-strength Steel Market Outlook, By Other Applications (2016-2026) (US\$ MN)

Table 113 Middle East & Africa Advanced High-strength Steel Market Outlook, By Grade (2016-2026) (US\$ MN)

Table 114 Middle East & Africa Advanced High-strength Steel Market Outlook, By Complex phase (2016-2026) (US\$ MN)

Table 115 Middle East & Africa Advanced High-strength Steel Market Outlook, By Transformation-induced plasticity (TRIP) (2016-2026) (US\$ MN)

Table 116 Middle East & Africa Advanced High-strength Steel Market Outlook, By Other Grades (2016-2026) (US\$ MN)

Table 117 Middle East & Africa Advanced High-strength Steel Market Outlook, By End User (2016-2026) (US\$ MN)

Table 118 Middle East & Africa Advanced High-strength Steel Market Outlook, By Construction (2016-2026) (US\$ MN)

Table 119 Middle East & Africa Advanced High-strength Steel Market Outlook, By Automotive (2016-2026) (US\$ MN)

Table 120 Middle East & Africa Advanced High-strength Steel Market Outlook, By Other End Users (2016-2026) (US\$ MN)

I would like to order

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

Product link: <https://marketpublishers.com/r/AAE653C3AB7EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AAE653C3AB7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970