

Stainless Steel Market by Product (Flat, Long), Grade (200 Series, 300 Series, 400 Series, Duplex Series, and Others), Application (Automotive and Transportation, Building and Construction, Consumer Goods, Mechanical Engineering and Heavy Industries, and Others), and Region 2024-2032

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Report description:

The global stainless steel market size reached US\$ 155.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 251.8 Billion by 2032, exhibiting a growth rate (CAGR) of 5.34% during 2024-2032. The rising demand for stainless steel from the building and construction sector, escalating automotive production and sales, and ongoing industrial and infrastructure development activities represent some of the key factors driving the market.

Stainless steel (SS) refers to an iron-based alloy with a high chromium content and additional elements, such as nickel, molybdenum, carbon, and other metals. The alloyed chromium secretes a thin layer of oxide, or a passive layer, which imparts excellent corrosion and heat resistance properties to the steel. Other elements, including titanium, aluminum, niobium, copper, nitrogen, sulfur, phosphorus, and selenium, can be added to the steel to improve its corrosion resistance to specific environments, enhance oxidation resistance, and attain desired characteristics. Compared to carbon steel, SS offers superior properties, such as excellent flexibility, tensile strength, corrosion resistance, aesthetic appeal, low maintenance costs, environment-friendliness, recyclability, and extended product life. As a result, stainless steel finds extensive applications across the construction, automotive, infrastructure, railways, and process industries.

Stainless Steel Market Trends:

There has been a significant increase in the use of stainless steel products for structural purposes, such as beams, columns, and general architectural applications. They are widely employed in railings, roofing, lifts, staircases, swimming pool shades, canopies, and atriums. Consequently, the rising demand for stainless steel from the building and construction sector represents one of the

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key factors driving the market growth. Moreover, governments of various nations are making heavy investments in repairing and renovating bridges, highways, airports, public buildings, and electric vehicle (EV) charging facilities. Along with this, extensive private and public funding in infrastructure development and the increasing number of residential housing projects are contributing to the market growth. Additionally, there is an increase in the mechanical, chemical, and energy applications of stainless steel, such as tubular in the oil industry, heat exchangers and boilers in power plants, and components in processing machinery of pulp and paper, chemicals, and food and beverage sectors. In line with this, growing product usage in manufacturing consumer goods and parts for automobiles, machinery, and equipment has catalyzed product demand. Furthermore, several key players are adopting energy-efficient manufacturing processes and novel technologies to improve production capacities, reduce costs, and enhance efficiency, thereby contributing to market growth. Other factors, including escalating automotive production and sales, ongoing industrial and infrastructure development activities, rising product applications in the electrical and electronics industries, and continual technological advancements, are also creating a positive market outlook.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global stainless steel market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on product, grade, and application.

Product Insights:

Flat
Long

The report has provided a detailed breakup and analysis of the stainless steel market based on the product. This includes flat and long. According to the report, flat represented the largest segment.

Grade Insights:

200 Series
300 Series
400 Series
Duplex Series
Others

A detailed breakup and analysis of the stainless steel market based on the grade has also been provided in the report. This includes 200 series, 300 series, 400 series, duplex series, and others. According to the report, 300 series grade accounted for the largest market share.

Application Insights:

Automotive and Transportation
Building and Construction
Consumer Goods
Mechanical Engineering and Heavy Industries
Others

The report has provided a detailed breakup and analysis of the stainless steel market based on the application. This includes automotive and transportation, building and construction, consumer goods, mechanical engineering and heavy industries, and

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others.

Regional Insights:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific was the largest market for stainless steel. Some of the factors driving the Asia Pacific stainless steel market included its significant economic growth, heavy investments in energy and infrastructure, rapid expansion in the automotive, machinery, and shipbuilding industries, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global stainless steel market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Acerinox S.A., Aperam S.A., ArcelorMittal S.A., Baosteel Group, JFE Steel Corporation (JFE Holdings Inc.), Jindal Stainless Limited, Nippon Steel Corporation, Outokumpu Oyj, POSCO Products, thyssenkrupp Stainless GmbH (ThyssenKrupp AG), Yieh United Steel Corp., etc.

Key Questions Answered in This Report:

How has the global stainless steel market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global stainless steel market?

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What is the impact of each driver, restraint, and opportunity on the global stainless steel market?

What are the key regional markets?

Which countries represent the most attractive stainless steel market?

What is the breakup of the market based on the product?

Which is the most attractive product in the stainless steel market?

What is the breakup of the market based on the grade?

Which is the most attractive grade in the stainless steel market?

What is the breakup of the market based on the application?

Which is the most attractive application in the stainless steel market?

What is the competitive structure of the global stainless steel market?

Who are the key players/companies in the global stainless steel market?

Table of Contents:

1	Preface
2	Scope and Methodology
2.1	Objectives of the Study
2.2	Stakeholders
2.3	Data Sources
2.3.1	Primary Sources
2.3.2	Secondary Sources
2.4	Market Estimation
2.4.1	Bottom-Up Approach
2.4.2	Top-Down Approach
2.5	Forecasting Methodology
3	Executive Summary
4	Introduction
4.1	Overview
4.2	Key Industry Trends
5	Global Stainless Steel Market
5.1	Market Overview
5.2	Market Performance
5.3	Impact of COVID-19
5.4	Market Forecast
6	Market Breakup by Product
6.1	Flat
6.1.1	Market Trends
6.1.2	Market Forecast
6.2	Long
6.2.1	Market Trends
6.2.2	Market Forecast
7	Market Breakup by Grade
7.1	200 Series
7.1.1	Market Trends
7.1.2	Market Forecast
7.2	300 Series
7.2.1	Market Trends
7.2.2	Market Forecast

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- 7.3 400 Series
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Duplex Series
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 8 Market Breakup by Application
 - 8.1 Automotive and Transportation
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Building and Construction
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Consumer Goods
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Mechanical Engineering and Heavy Industries
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
 - 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia

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- 9.2.5.1 Market Trends
- 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 Drivers, Restraints, and Opportunities
 - 10.1 Overview
 - 10.2 Drivers

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- 10.3 Restraints
- 10.4 Opportunities
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Acerinox S.A.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.2 Aperam S.A.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.3 ArcelorMittal S.A.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 Baosteel Group
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 JFE Steel Corporation (JFE Holdings Inc.)
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.6 Jindal Stainless Limited
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.7 Nippon Steel Corporation
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
 - 14.3.8 Outokumpu Oyj
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials

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- 14.3.8.4 SWOT Analysis
- 14.3.9 POSCO Products
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 thyssenkrupp Stainless GmbH (ThyssenKrupp AG)
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Yieh United Steel Corp.
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials

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