

# Carbon Steel Market Outlook 2024-2031: CAGR of 3.6%, Size, and Share Forecast | POSCO, Tata Steel

*Carbon steel market size was valued at US\$ 1,002.81 billion in 2023 and is expected to reach US\$ 1,284.51 billion by 2030, exhibiting (CAGR) of 3.6% (2023-2030)*

BURLINGAME, CA, UNITED STATES,  
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EINPresswire.com/ -- The latest market intelligence report published by CMI with the title "Global Carbon Steel Market 2024, Growth Opportunities, and Forecast" provides actionable

insights on Advanced Materials industry. The report provides demand analysis, industry insights, competitive intelligence, and customer database.



Carbon Steel Market Insights

The Research report on Carbon Steel Market presents a complete judgment of the market through strategic insights on future trends, growth factors, supplier landscape, demand landscape, Y-o-Y growth rate, CAGR, pricing analysis. It also provides and a lot of business matrices including Porters Five Forces Analysis, PESTLE Analysis, Value Chain Analysis, 4 Ps' Analysis, Market Attractiveness Analysis, BPS Analysis, Ecosystem Analysis.

Do you think, if this report could be of your interest? If yes, request Sample Copy of this Report: <https://www.coherentmarketinsights.com/insight/request-sample/6153>

\*Note: Sample of the report provides details on the scope and coverage, table of contents, research methodology, and Sample Framework of the report. Actual report of 150+ is available for purchase to all the interested stakeholders.

## Key takeaways

### 1. Market Growth and Size:

- Strong Demand: The carbon steel market is experiencing steady growth driven by robust

demand from key industries such as construction, automotive, and manufacturing. Carbon steel is widely used due to its favorable properties, including strength, durability, and cost-effectiveness.

- **Market Size:** The market size for carbon steel is substantial and continues to expand, reflecting its critical role in infrastructure development and industrial applications.

## 2. Applications and Industry Demand:

- **Construction Sector:** Carbon steel is extensively used in construction for structural applications such as beams, columns, and reinforcements. The growth in construction activities, particularly in emerging economies, is a significant driver for the carbon steel market.
- **Automotive Industry:** The automotive sector relies on carbon steel for producing various components including chassis, engine parts, and body panels. The demand for high-strength, lightweight materials to improve fuel efficiency and safety is influencing market trends.
- **Manufacturing and Machinery:** Carbon steel is essential in manufacturing machinery, tools, and equipment due to its strength and versatility. Industries such as oil and gas, aerospace, and heavy machinery are key consumers.

## 3. Types and Grades of Carbon Steel:

- **Variety of Grades:** Carbon steel is categorized into different grades based on carbon content and properties, including low carbon steel, medium carbon steel, and high carbon steel. Each grade has specific applications and performance characteristics.
- **Specialty Steels:** There is a growing interest in specialty carbon steels with enhanced properties for specific applications, such as high-strength low-alloy (HSLA) steels used in demanding environments.

## 4. Technological Advancements:

- **Manufacturing Innovations:** Advances in steel production technologies, such as electric arc furnaces and continuous casting, are improving the efficiency and quality of carbon steel production. These innovations contribute to cost reduction and enhanced material properties.
- **Product Development:** Ongoing research and development are leading to the creation of new carbon steel products with better performance characteristics, such as improved corrosion resistance and higher tensile strength.

## 5. Market Dynamics and Trends:

- **Supply Chain Challenges:** The carbon steel market faces challenges related to raw material supply, pricing volatility, and trade policies. Fluctuations in the prices of key inputs like iron ore and scrap metal can impact market dynamics.
- **Environmental Regulations:** Increasing environmental regulations and sustainability concerns are driving the industry towards greener production methods and more efficient use of resources. Carbon steel producers are investing in technologies to reduce emissions and improve sustainability.

Want to access more insights? The journey starts from requesting Sample:

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Detailed Segmentation and Classification of the report (Market Size and Forecast – 2031, Y-o-Y growth rate, and CAGR):

- By Carbon Content:

- Low Carbon Steel (Mild Steel)

- Medium Carbon Steel

- High Carbon Steel

- By End-use Industry:

- Construction

- Automotive

- Oil & Gas

- Energy

- Consumer Goods

- Shipbuilding

- Others

- By Form:

- Flat Products

- Long Products

- Tubular Products

- By Process:

- Basic Oxygen Furnace (BOF)

- Electric Arc Furnace (EAF)

- By Treatment:

- Cold Rolled

- Hot Rolled

- Galvanized

- Annealed

- By Application:

- Tools

- Pipes & Tubes

- Construction Hardware

- Structural

- By Regions and Countries

- o North America
- o Europe
- o Asia-Pacific
- o South America
- o Middle East & Africa

Following are the players analyzed in the report:

- Nippon Steel & Sumitomo Metal Corporation (NSSMC)
- POSCO
- Tata Steel
- Baowu Group (China Baowu Steel Group Corp.)
- JFE Steel Corporation
- JSW Steel
- United States Steel Corporation (U.S. Steel)
- Shagang Group
- Ansteel Group

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Deep-dive Analysis:

The Report provides deep-dive qualitative and quantitative analysis on Carbon Steel Market for all the regions and countries covered below:

- North America (the United States, Canada, and Mexico)
- Europe (Germany, France, Italy, United Kingdom, SCANDIVAN, Benelux, Russia, and Rest of Europe)
- Asia-Pacific (Japan, South Korea, India, China, Southeast Asia, and Australia)
- South America (Brazil, Argentina, and Rest of South America)
- Middle East & Africa (Saudi Arabia, UAE, Israel, South Africa, and Rest of the Middle East & Africa)
- Each Country is covered in detail, and report provides qualitative and quantitative analysis on Carbon Steel Market on each country.

The research provides answers to the following key questions:

1. What is the estimated growth rate of the market for the forecast period 2024-2031? What will

be the market size during the estimated period?

2. What are the key driving forces responsible for shaping the fate of the Carbon Steel market during the forecast period?

3. Who are the major market vendors and what are the winning strategies that have helped them occupy a strong foothold in the Carbon Steel market?

4. What are the prominent market trends influencing the development of the Carbon Steel market across different regions?

5. What are the major threats and challenges likely to act as a barrier in the growth of the Carbon Steel market?

6. What are the major opportunities the market leaders can rely on to gain success and profitability?

Key insights provided by the report that could help you take critical strategic decisions?

- Regional report analysis highlighting the consumption of products/services in a region also shows the factors that influence the market in each region.
- Reports provide opportunities and threats faced by suppliers in the Carbon Steel and tubes industry around the world.
- The report shows regions and sectors with the fastest growth potential.
- A competitive environment that includes market rankings of major companies, along with new product launches, partnerships, business expansions, and acquisitions.
- The report provides an extensive corporate profile consisting of company overviews, company insights, product benchmarks, and SWOT analysis for key market participants.
- This report provides the industry's current and future market outlook on the recent development, growth opportunities, drivers, challenges, and two regional constraints emerging in advanced regions.

Author of this marketing PR:

Priya Pandey is a dynamic and passionate PR writer with over three years of expertise in content writing and proofreading. Holding a bachelor's degree in biotechnology, Priya has a knack for making the content engaging. Her diverse portfolio includes writing contents and documents across different industries, including food and beverages, information and technology, healthcare, chemical and materials, etc. Priya's meticulous attention to detail and commitment to excellence make her an invaluable asset in the world of content creation and refinement.

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leading role in offering insights in various sectors post-COVID-19 and continue to deliver measurable, sustainable results for our clients.

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