

# Global Low Carbon Ferroboron Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Low Carbon Ferroboron market size was valued at US\$ 177 million in 2025 and is forecast to a readjusted size of US\$ 254 million by 2032 with a CAGR of 5.4% during review period.

In 2025, global Low Carbon Ferroboron production reached approximately 43 k tons, with an average global market price of around US\$3,962 per ton. Ferroboron (FeB) is a ferroalloy consisting of iron and boron. The metal usually contains 17.5% to 20% boron and is used to produce boron steels. According to the carbon content, ferroboron (boron content: 5-25%) can be divided into low carbon (C?0.05%~0.1%, 9%~25%B) and medium carbon (C?2.5%, 4%~19 %B).

The global low carbon ferroboron market, a crucial segment of specialty alloys, is evolving in lockstep with advanced manufacturing. Its current trajectory is primarily steered by the automotive industry's sustained demand for high-strength, lightweight steel. A key trend is the shifting application focus from traditional steelmaking towards high-growth sectors like neodymium iron boron (NdFeB) permanent magnets, which are essential for electric vehicles and wind power. Concurrently, the broader context of global supply chain realignment is prompting major consuming regions to consider building more resilient, localized supply chains for critical materials, presenting potential opportunities for in-region production. However, the industry's progress is constrained by significant challenges. Foremost among these is supply chain vulnerability stemming from price volatility and geopolitical risks associated with raw materials like boron ore. Secondly, competition from substitute alloying elements such as vanadium and molybdenum in certain applications may limit market penetration. Finally, the sector faces inherent technical barriers due to stringent requirements for purity and precise

process control. In the long term, industrialization and the green energy transition, particularly in the Asia-Pacific region, remain the fundamental drivers for future demand growth.

This report is a detailed and comprehensive analysis for global Low Carbon Ferroboron market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Low Carbon Ferroboron market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Low Carbon Ferroboron market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Low Carbon Ferroboron market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Low Carbon Ferroboron market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Low Carbon Ferroboron

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Low Carbon Ferroboration market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Liaoyang International Boronalloys, Eti Maden, Nippon Denko, Bomet Boron Alloys, Dalian Gold Boron Industry, Liaoning Pengcheng, Kuandian Sanyou, Xinbang Boron Industry, AMG Chrome, Kamman Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Low Carbon Ferroboration market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Boron Content

Boron Content 18%-21%

Boron Content > 21%

### Market segment by Shape

Ferroboration Powder

Ferroboration Lump

### Market segment by End Use

Smelting / Casting

Automotive

Aerospace

Energy

Others

#### Market segment by Application

Steel Industry

Permanent Magnet Materials

Other

#### Major players covered

Liaoyang International Boronalloys

Eti Maden

Nippon Denko

Bomet Boron Alloys

Dalian Gold Boron Industry

Liaoning Pengcheng

Kuandian Sanyou

Xinbang Boron Industry

AMG Chrome

Kamman Group

Berry Alloys

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Low Carbon Ferroboron product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Low Carbon Ferroboron, with price, sales quantity, revenue, and global market share of Low Carbon Ferroboron from 2021 to 2026.

Chapter 3, the Low Carbon Ferroboron competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Low Carbon Ferroboron breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Low Carbon Ferroboron market forecast, by regions, by Type, and by

Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Low Carbon Ferroboron.

Chapter 14 and 15, to describe Low Carbon Ferroboron sales channel, distributors, customers, research findings and conclusion.

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