

Global Graphite Electrodes 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 Graphite Electrodes market size was valued at US\$ 5789 million in 2025 and is forecast to a readjusted size of US\$ 6275 million by 2032 with a CAGR of 1.2% during review period.

In 2024, global graphite electrode production reached 1.1 million tons, with an average price range of \$5,300 per ton.

Graphite electrodes are highly conductive and high-temperature resistant materials. They are primarily used as a conductive medium in the electric arc furnace (EAF) or induction furnace (LF) steelmaking process, converting electrical energy into heat to melt steel.

The global graphite electrode market is dominated by several leading companies, including Resonac, Fangda Carbon New Materials Technology Co., Ltd., GrafTech International, Graphite India Limited (GIL), HEG Limited, and Tokai Carbon. These companies leverage advanced production processes, high-quality raw materials, and stable supply capabilities to provide core consumables to the global steel, metallurgy, and other industries. With the development of electric arc furnace steelmaking and new energy steelmaking processes, demand for graphite electrodes has maintained steady growth. At the same time, technological upgrades, environmental protection requirements, and the trend toward localization of high-end products are driving market competition toward higher value-added and technological innovation. For downstream users, selecting a reliable graphite electrode supplier not only ensures production efficiency and product quality, but also helps mitigate the risk of cost fluctuations and achieve sustainable development.

This report is a detailed and comprehensive analysis for global Graphite Electrodes 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 Graphite Electrodes market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

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

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

Global Graphite Electrodes market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), 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 Graphite Electrodes

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 Graphite Electrodes 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 Resonac, Fangda Carbon New Materials Technology Co., Ltd, GrafTech International, Graphite India Limited (GIL), HEG Limited, Tokai Carbon, SEC Carbon, Ltd, EI 6 Group, Jilin Carbon Group Ltd, Kaifeng Pingmei, etc.

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

Market Segmentation

Graphite Electrodes 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

Regular Power Graphite Electrodes

High Power Graphite Electrodes

Ultra High Power (UHP) Graphite Electrodes

Market segment by Application

EAF

LF

Others

Major players covered

Resonac

Fangda Carbon New Materials Technology Co., Ltd

GrafTech International

Graphite India Limited (GIL)

HEG Limited

Tokai Carbon

SEC Carbon, Ltd

El 6 Group

Jilin Carbon Group Ltd

Kaifeng Pingmei

Nantong Yangzi Carbon Co., Ltd.

Nippon Carbon Co., Ltd

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 Graphite Electrodes product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Graphite Electrodes 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 Graphite Electrodes 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 Graphite Electrodes.

Chapter 14 and 15, to describe Graphite Electrodes sales channel, distributors, customers, research findings and conclusion.

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