

# Global Graphite Electrode Rod Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Graphite Electrode Rod market size was valued at USD 6294.8 million in 2023 and is forecast to a readjusted size of USD 9037.2 million by 2030 with a CAGR of 5.3% during review period.

Graphite electrode are used mainly in electric arc furnace steel production. They are presently the only products available that have both high levels of electrical conductivity and the capability of sustaining the extreme heat generated in this demanding environment.

Global core graphite electrode rod manufacturers include Showa Denko K.K, FANGDA CARBON, GrafTech etc. The top 5 companies hold a share about 58%. Asia-Pacific is the largest market, with a share about 48%, followed by Europe and North America with the share about 24% and 13%. In terms of product, ultra high power (UHP) graphite electrodes is the largest segment, with a share over 78%. And in terms of application, the largest application is electric arc furnace steel.

The Global Info Research report includes an overview of the development of the Graphite Electrode Rod industry chain, the market status of Electric ARC Furnace Steel (Regular Power (RP) Graphite Electrodes, High Power (HP) Graphite Electrodes), Others (Phosphorus, Silicon, etc) (Regular Power (RP) Graphite Electrodes, High Power (HP) Graphite Electrodes), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Graphite Electrode Rod.

Regionally, the report analyzes the Graphite Electrode Rod markets in key regions.

North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Graphite Electrode Rod market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Graphite Electrode Rod market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Graphite Electrode Rod industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Regular Power (RP) Graphite Electrodes, High Power (HP) Graphite Electrodes).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Graphite Electrode Rod market.

**Regional Analysis:** The report involves examining the Graphite Electrode Rod market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Graphite Electrode Rod market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Graphite Electrode Rod:

**Company Analysis:** Report covers individual Graphite Electrode Rod manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and

strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Graphite Electrode Rod. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electric ARC Furnace Steel, Others (Phosphorus, Silicon, etc)).

**Technology Analysis:** Report covers specific technologies relevant to Graphite Electrode Rod. It assesses the current state, advancements, and potential future developments in Graphite Electrode Rod areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Graphite Electrode Rod market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Graphite Electrode Rod market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Regular Power (RP) Graphite Electrodes

High Power (HP) Graphite Electrodes

Ultra High Power (UHP) Graphite Electrodes

### Market segment by Application

Electric ARC Furnace Steel

Others (Phosphorus, Silicon, etc)

## Major players covered

Showa Denko K.K

FANGDA CARBON

GrafTech

Graphite India Limited (GIL)

HEG Limited

Tokai Carbon

Jilin Carbon

Yangzi Carbon

Kaifeng Carbon Co., Ltd

SEC

Nippon Carbon

Energoprom Group

## 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 Electrode Rod product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Graphite Electrode Rod, with price, sales, revenue and global market share of Graphite Electrode Rod from 2019 to 2024.

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

Chapter 4, the Graphite Electrode Rod breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Graphite Electrode Rod market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Electrode Rod.

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

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