

Global Graphite Electrode Rod Market Growth 2025-2031

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Abstracts

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The global Graphite Electrode Rod market size is predicted to grow from US\$ 7031 million in 2025 to US\$ 9832 million in 2031; it is expected to grow at a CAGR of 5.7% from 2025 to 2031.

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.

LP Information, Inc. (LPI) ' newest research report, the "Graphite Electrode Rod Industry Forecast" looks at past sales and reviews total world Graphite Electrode Rod sales in 2024, providing a comprehensive analysis by region and market sector of projected Graphite Electrode Rod sales for 2025 through 2031. With Graphite Electrode Rod sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Graphite Electrode Rod industry.

This Insight Report provides a comprehensive analysis of the global Graphite Electrode

Rod landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Graphite Electrode Rod portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Graphite Electrode Rod market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Graphite Electrode Rod and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Graphite Electrode Rod.

This report presents a comprehensive overview, market shares, and growth opportunities of Graphite Electrode Rod market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Regular Power (RP) Graphite Electrodes

High Power (HP) Graphite Electrodes

Ultra High Power (UHP) Graphite Electrodes

Segmentation by Application:

Electric ARC Furnace Steel

Others (Phosphorus, Silicon, etc)

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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

Key Questions Addressed in this Report

What is the 10-year outlook for the global Graphite Electrode Rod market?

What factors are driving Graphite Electrode Rod market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Graphite Electrode Rod market opportunities vary by end market size?

How does Graphite Electrode Rod break out by Type, by Application?

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