

Needle Coke Market Competition Assessing Key Challenges and Opportunities

The growing demand for lithium-ion batteries in electric vehicles and portable electronics is fueling the need for synthetic needle coke.

WILMINGTON, DE, UNITED STATES, June 18, 2025 /EINPresswire.com/ -- Allied Market Research has recently published a comprehensive report on the global [needle coke market](#), providing a detailed segmentation by type and application. The study reveals that the needle coke market, valued at \$2.3 billion in 2021, is projected to reach \$5.7 billion by 2031, growing at a CAGR of 9.8% from 2022 to 2031. The report offers an extensive evaluation of market size, revenue forecasts, and regional dynamics, equipping stakeholders with critical insights into emerging trends and lucrative opportunities.



Needle Coke Market Size

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<https://www.alliedmarketresearch.com/request-sample/A17410>

Key Determinants Shaping the Industry:

The AMR report underscores several driving forces accelerating the market growth. A key factor is the rising demand for graphite electrodes in electric arc furnace steel production, which is witnessing a significant shift due to sustainability and emission control initiatives. With global crude steel production increasingly relying on electric arc furnace methods, needle coke, a vital raw material for graphite electrodes, is becoming increasingly essential.

Additionally, the growing demand for lithium-ion batteries in electric vehicles and portable electronics is fueling the need for synthetic needle coke, which offers superior purity and conductivity. As nations transition toward e-mobility and renewable energy, needle coke is expected to play a critical role in battery technology. However, the report also outlines challenges such as price volatility of raw materials and environmental regulations related to coke

production, which may hinder market expansion, particularly in emerging economies.

On the contrary, favorable government initiatives aimed at promoting electric vehicle infrastructure and steel recycling are expected to unlock new growth prospects in the near future.

Assessing the Latest Trends:

The AMR study highlights several transformative trends influencing the needle coke landscape. One notable trend is the surge in synthetic needle coke production, particularly in regions like North America and Asia-Pacific, due to its application in advanced battery technologies. Companies are focusing on innovation and cleaner production processes to meet rising demand while adhering to environmental standards.

Moreover, investments in recycling graphite electrodes and developing environmentally sustainable coke production technologies are gaining momentum. This shift is driven by industries aiming to reduce carbon footprints and enhance supply chain resilience. The report also notes an increasing interest in diversified raw material sources, including the use of petroleum and coal tar pitch, to meet the supply-demand gap in high-grade needle coke.

Competitive Analysis:

The report delivers an in-depth assessment of leading players in the needle coke market, examining their market strategies, financial performance, and innovation outlook. Major companies profiled in the report include:

- Shell Global
- Phillips 66
- HEG Limited
- Tokai Carbon Co., Ltd.
- Essar Oil Ltd.
- Mott Corporation
- Reliance Industries Ltd.
- GrafTech International Ltd.
- Asbury Carbons Inc.
- Baosteel Group
- Mitsubishi Chemical Corporation
- Nippon Steel Corporation
- Indian Oil Corporation Ltd.
- Sumitomo Corporation

For more information, visit <https://www.alliedmarketresearch.com/needle-coke-market/purchase-options>

About Us:

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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