# Foundry Coke Market Research Report Information By Type (Ash Content < 8%, 8% < Ash Content < 10%, 10% < Ash Content), By Carbon Type (Metallurgical Coke, Petroleum Coke, Pitch Coke, Anthracite Coke, Others), By Metal Smelting Type (Iron Smelting, Non-Ferrous Metal Smelting, Ferrous and Non-Ferrous Alloy Smelting, Steel Smelting), By Application (Machinery Casting, Automotive Parts Casting, Insulation, Material Treatment, Others), By Region Global Forecast to 2032

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**Report description:**

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Market Overview

In 2023, the Foundry Coke Market Size was estimated to be USD 2411.19 million. The Foundry Coke Market industry is anticipated to experience a compound annual growth rate (CAGR) of 4.73% from USD 2496.42 million in 2024 to USD 3614.07 million by 2032. Foundry coke is produced by heating and distilling coal. It is typically produced through two well-known methods: the byproduct recovery process and the non-recovery furnace (also known as the beehive process).
The byproduct recovery procedure is the primary method employed by foundry coke manufacturers in the United States. The elder beehive technique is a critical production method in numerous other countries, particularly China. Foundry coke is a specific type of coke that is exclusively employed in iron foundries as a fuel source in cupola furnaces to produce molten iron. It also functions as a fuel for the melting of iron and as a source of carbon for the molten product. The liquid iron produced is used to

produce a variety of cast iron products with different geometries, which are subsequently employed in a variety of industries. Foundry coke is characterized by its high heating value, dense structure, high strength, low ash content, and large dimension (e.g., larger than metallurgical coke), which make it suitable for use in iron foundries. It is also more cost-effective than metallurgical coke because of its high thermal value. It obtains the necessary furnace temperature and provides superior melting in a shorter amount of time. Foundry coke is employed in a variety of applications, such as the casting of vehicle parts, apparatus, and insulation. Foundry coke is essential in the automotive industry, particularly to produce cast iron components such as engine blocks, brake drums, and cylinder heads.

Market segment insights

Based on the type of Foundry Coke, the market has been segmented as follows: Ash Content < 8%, 8% < Ash Content < 10%, and 10% < Ash Content.
Based on the carbon type, the market has been segmented into the following categories: Metallurgical Coke, Petroleum Coke, Pitch Coke, Anthracite Coke, and Others.
The Market is segmented into four categories: Iron Smelting, Non-Ferrous Metal Smelting, Ferrous and Non-Ferrous Alloy Smelting, and Steel Smelting, based on the type of metal smelting.
Machinery Casting, Automotive Parts Casting, Insulation, Material Treatment, and Others comprise the market's application-based segmentation.

Regional Perspectives

The Foundry Coke Market is divided into five regions: North America, Europe, Asia-Pacific, Middle East & Africa, and South America. The Asia Pacific region accounted for the largest market revenue share of 41.99% in 2023, and it is anticipated to expand at a compound annual growth rate (CAGR) of 4.99% during the forecast period of 2024-2032. The foundry coke market is dominated by the Asia-Pacific region as a result of its accelerated industrialization and extensive steel production. Countries like China and India are significant consumers of foundry coke, which is derived from the large-scale steel-making processes. China is the world's largest producer and consumer of steel, which significantly influences the demand for global foundry coke. The advantages of this region include an expanding industrial base, an infrastructure that has already been established, and substantial investments in steel-producing units. Furthermore, the Asia-Pacific region is a leader due to its abundant coal reserves and reduced production costs.

Major Players
The Foundry Coke Market is dominated by the following key players: WZK Victoria SA, OKK Koksovny, a.s., Italiana Coke s.r.l., Quimica del Nalon, GR Resource Ltd, Hickman, Williams & Company, Nippon Coke & Engineering Co., Ltd, Drummond Company, Inc., Marut Enterprises, and Sesa Goa Iron Ore.

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