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Global Cathode Market: Size & Forecasts with Impact Analysis of COVID-19 (2022-2026)

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Abstracts

Scope of the Report

The report titled “Global Cathode Market: Size & Forecasts with Impact Analysis of COVID-19 (2022-2026)”, provides an in depth analysis of the global cathode market by value, by type, by material type, by end user, by region, etc. The report provides a regional analysis of the cathode market, including the following regions: Asia Pacific, Europe, North America, and Rest of the World. The report also provides a detailed analysis of the COVID-19 impact on the cathode market.

The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global cathode market has also been forecasted for the period 2022-2026, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The global cathode market is moderately fragmented with many top market players operating worldwide. The key players of the cathode market are Johnson Matthey, POSCO Group, Umicore, and BASF SE. are also profiled with their financial information and respective business strategies.

Country Coverage

Asia Pacific

Europe

North America

Rest of the World

Company Coverage

Johnson Matthey

POSCO Group

Umicore

BASF SE

Executive Summary

Cathode material defines the power and voltage capacity of a battery. Cathode material is a composition of thin aluminum substrate, active material, conductive additive and binder. Cathode material determines the energy density of a cell through cell voltage and/or capacity. Cathode material demands extremely high purity levels and must be almost free of unwanted metal impurities – notably iron, vanadium and sulfur. Choice of cathode material with a particular chemistry depends on factors like cell voltage, capacity, energy and power capabilities, cycle life, and temperature of operation.

Cathode can be segmented on the basis of type (Lead Acid and Lithium-ion); material type (Lithium iron Phosphate (LFP), Nickel Cobalt Manganese (NCM), Lead Oxide, Nickel Cobalt Aluminum (NCA), Lithium Cobalt Oxide (LCO), and Lithium Manganese Oxide (LMO)); and end-user (Automotive, Consumer Electronics, Power Tools, Energy Storage System and Others).

The global cathode market is projected to grow significantly during the period of 2022-2026. The global cathode market is expected to increase due to boom in consumer electronics, adoption of renewable energy, growing usage of lithium-ion battery, and rising demand for rechargeable battery. Yet, the market faces some challenges like lack of raw material availability and safety issues.

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