

Global Black Phosphorus Market Growth 2023-2029

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Abstracts

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Black phosphorus is a black crystal with metallic luster, which is formed by the transformation of white phosphorus under very high pressure and high temperature. Black phosphorus is the weakest in the allotrope of phosphorus, and it does not ignite spontaneously in the air.

LPI (LP Information)' newest research report, the "Black Phosphorus Industry Forecast" looks at past sales and reviews total world Black Phosphorus sales in 2022, providing a comprehensive analysis by region and market sector of projected Black Phosphorus sales for 2023 through 2029. With Black Phosphorus sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Black Phosphorus industry.

This Insight Report provides a comprehensive analysis of the global Black Phosphorus 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 Black Phosphorus portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Black Phosphorus market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Black Phosphorus 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 Black Phosphorus.



The global Black Phosphorus market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

Black phosphorus is very similar to graphite in appearance, performance and structure. It is black and flake-like, and can conduct electricity. The linking atoms are in the form of wrinkled flakes. The phonons, photons and electrons in the layered black phosphorous structure exhibit a high degree of anisotropy, which has great potential application value in electronic thin film and infrared photoelectronic technology.

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

Market Segmentation:

Segmentation by type

High Energy Ball Milling

Red Phosphorus Mineralization Method

White Phosphorus High Pressure Heating Method

Segmentation by application

Infrared Night View

Satellite Remote Sensing

Optical Instrument

Biomedical Science

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 analyzing the company's coverage, product portfolio, its market penetration.

Iris Light Technologies Inc. ACS Material 2Dsemiconductors **Inorganic Ventures** SAE Accumet Materials Co. Mil-Spec Industries Corp. Nichia STREM CHEMICALS Noah Technologies Espicorp Inc. BariteWorld American Elements



Nanochemazone

Key Questions Addressed in this Report

What is the 10-year outlook for the global Black Phosphorus market?

What factors are driving Black Phosphorus market growth, globally and by region?

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

How do Black Phosphorus market opportunities vary by end market size?

How does Black Phosphorus break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?



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