

# Global Black Phosphor Industry Research Report, Competitive Landscape, Market Size, Regional Status and Prospect

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## Abstracts

Black Phosphor is a layered semiconducting material similar in appearance to graphite with numerous uses in optoelectronic, semiconductor, and photovoltaic applications. In a two-dimensional form, black phosphorus is known as Phosphorene and has similar properties to other 2D semiconductor materials such as graphene.

The report combines extensive quantitative analysis and exhaustive qualitative analysis, ranges from a macro overview of the total market size, industry chain, and market dynamics to micro details of segment markets by type, application and region, and, as a result, provides a holistic view of, as well as a deep insight into the Black Phosphor market covering all its essential aspects.

For the competitive landscape, the report also introduces players in the industry from the perspective of the market share, concentration ratio, etc., and describes the leading companies in detail, with which the readers can get a better idea of their competitors and acquire an in-depth understanding of the competitive situation. Further, mergers & acquisitions, emerging market trends, the impact of COVID-19, and regional conflicts will all be considered.

In a nutshell, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the market in any manner.

Key players in the global Black Phosphor market are covered in Chapter 9:

US Research Nanomaterials

NovaCentrix

Heraeus

Xuancheng Jingrui

American Elements

EPRUI Nanomaterials and Microspheres

Sun Chemical Corporation

Applied Nanotech Holdings

Taiyo Ink

DuPont

Advanced Nano Products

In Chapter 5 and Chapter 7.3, based on types, the Black Phosphor market from 2017 to 2027 is primarily split into:

Purity greater than 99%

Purity less than 99%

In Chapter 6 and Chapter 7.4, based on applications, the Black Phosphor market from 2017 to 2027 covers:

Transportation

Interiors

Exteriors

Aerospace & defense

Interiors

Electrical & Electronics

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historical data and forecast (2017-2027) of the following regions are covered in Chapter 4 and Chapter 7:

United States

Europe

China

Japan

India

Southeast Asia

Latin America

Middle East and Africa

## Client Focus

1. Does this report consider the impact of COVID-19 and the Russia-Ukraine war on the Black Phosphor market?

Yes. As the COVID-19 and the Russia-Ukraine war are profoundly affecting the global supply chain relationship and raw material price system, we have definitely taken them into consideration throughout the research, and in Chapters 1.7, 2.7, 4.X.1, 7.5, 8.7, we elaborate at full length on the impact of the pandemic and the war on the Black Phosphor Industry.

2. How do you determine the list of the key players included in the report?

With the aim of clearly revealing the competitive situation of the industry, we concretely analyze not only the leading enterprises that have a voice on a global scale, but also the regional small and medium-sized companies that play key roles and have plenty of potential growth.

Please find the key player list in Summary.

3. What are your main data sources?

Both Primary and Secondary data sources are being used while compiling the report.

Primary sources include extensive interviews of key opinion leaders and industry experts (such as experienced front-line staff, directors, CEOs, and marketing executives), downstream distributors, as well as end-users.

Secondary sources include the research of the annual and financial reports of the top companies, public files, new journals, etc. We also cooperate with some third-party databases.

Please find a more complete list of data sources in Chapters 11.2.1 & 11.2.2.

4. Can I modify the scope of the report and customize it to suit my requirements?

Yes. Customized requirements of multi-dimensional, deep-level and high-quality can help our customers precisely grasp market opportunities, effortlessly confront market

challenges, properly formulate market strategies and act promptly, thus to win them sufficient time and space for market competition.

## Outline

Chapter 1 mainly defines the market scope and introduces the macro overview of the industry, with an executive summary of different market segments ((by type, application, region, etc.), including the definition, market size, and trend of each market segment.

Chapter 2 provides a qualitative analysis of the current status and future trends of the market. Industry Entry Barriers, market drivers, market challenges, emerging markets, consumer preference analysis, together with the impact of the COVID-19 outbreak will all be thoroughly explained.

Chapter 3 analyzes the current competitive situation of the market by providing data regarding the players, including their sales volume and revenue with corresponding market shares, price and gross margin. In addition, information about market concentration ratio, mergers, acquisitions, and expansion plans will also be covered.

Chapter 4 focuses on the regional market, presenting detailed data (i.e., sales volume, revenue, price, gross margin) of the most representative regions and countries in the world.

Chapter 5 provides the analysis of various market segments according to product types, covering sales volume, revenue along with market share and growth rate, plus the price analysis of each type.

Chapter 6 shows the breakdown data of different applications, including the consumption and revenue with market share and growth rate, with the aim of helping the readers to take a close-up look at the downstream market.

Chapter 7 provides a combination of quantitative and qualitative analyses of the market size and development trends in the next five years. The forecast information of the whole, as well as the breakdown market, offers the readers a chance to look into the future of the industry.

Chapter 8 is the analysis of the whole market industrial chain, covering key raw materials suppliers and price analysis, manufacturing cost structure analysis, alternative product analysis, also providing information on major distributors, downstream buyers,

and the impact of COVID-19 pandemic.

Chapter 9 shares a list of the key players in the market, together with their basic information, product profiles, market performance (i.e., sales volume, price, revenue, gross margin), recent development, SWOT analysis, etc.

Chapter 10 is the conclusion of the report which helps the readers to sum up the main findings and points.

Chapter 11 introduces the market research methods and data sources.

Years considered for this report:

Historical Years: 2017-2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2022-2027

## Contents

### 1 BLACK PHOSPHOR MARKET OVERVIEW

- 1.1 Product Overview and Scope of Black Phosphor Market
- 1.2 Black Phosphor Market Segment by Type
  - 1.2.1 Global Black Phosphor Market Sales Volume and CAGR (%) Comparison by Type (2017-2027)
- 1.3 Global Black Phosphor Market Segment by Application
  - 1.3.1 Black Phosphor Market Consumption (Sales Volume) Comparison by Application (2017-2027)
- 1.4 Global Black Phosphor Market, Region Wise (2017-2027)
  - 1.4.1 Global Black Phosphor Market Size (Revenue) and CAGR (%) Comparison by Region (2017-2027)
  - 1.4.2 United States Black Phosphor Market Status and Prospect (2017-2027)
  - 1.4.3 Europe Black Phosphor Market Status and Prospect (2017-2027)
  - 1.4.4 China Black Phosphor Market Status and Prospect (2017-2027)
  - 1.4.5 Japan Black Phosphor Market Status and Prospect (2017-2027)
  - 1.4.6 India Black Phosphor Market Status and Prospect (2017-2027)
  - 1.4.7 Southeast Asia Black Phosphor Market Status and Prospect (2017-2027)
  - 1.4.8 Latin America Black Phosphor Market Status and Prospect (2017-2027)
  - 1.4.9 Middle East and Africa Black Phosphor Market Status and Prospect (2017-2027)
- 1.5 Global Market Size of Black Phosphor (2017-2027)
  - 1.5.1 Global Black Phosphor Market Revenue Status and Outlook (2017-2027)
  - 1.5.2 Global Black Phosphor Market Sales Volume Status and Outlook (2017-2027)
- 1.6 Global Macroeconomic Analysis
- 1.7 The impact of the Russia-Ukraine war on the Black Phosphor Market

### 2 INDUSTRY OUTLOOK

- 2.1 Black Phosphor Industry Technology Status and Trends
- 2.2 Industry Entry Barriers
  - 2.2.1 Analysis of Financial Barriers
  - 2.2.2 Analysis of Technical Barriers
  - 2.2.3 Analysis of Talent Barriers
  - 2.2.4 Analysis of Brand Barrier
- 2.3 Black Phosphor Market Drivers Analysis
- 2.4 Black Phosphor Market Challenges Analysis
- 2.5 Emerging Market Trends

2.6 Consumer Preference Analysis

2.7 Black Phosphor Industry Development Trends under COVID-19 Outbreak

2.7.1 Global COVID-19 Status Overview

2.7.2 Influence of COVID-19 Outbreak on Black Phosphor Industry Development

### **3 GLOBAL BLACK PHOSPHOR MARKET LANDSCAPE BY PLAYER**

3.1 Global Black Phosphor Sales Volume and Share by Player (2017-2022)

3.2 Global Black Phosphor Revenue and Market Share by Player (2017-2022)

3.3 Global Black Phosphor Average Price by Player (2017-2022)

3.4 Global Black Phosphor Gross Margin by Player (2017-2022)

3.5 Black Phosphor Market Competitive Situation and Trends

3.5.1 Black Phosphor Market Concentration Rate

3.5.2 Black Phosphor Market Share of Top 3 and Top 6 Players

3.5.3 Mergers & Acquisitions, Expansion

### **4 GLOBAL BLACK PHOSPHOR SALES VOLUME AND REVENUE REGION WISE (2017-2022)**

4.1 Global Black Phosphor Sales Volume and Market Share, Region Wise (2017-2022)

4.2 Global Black Phosphor Revenue and Market Share, Region Wise (2017-2022)

4.3 Global Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)

4.4 United States Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)

4.4.1 United States Black Phosphor Market Under COVID-19

4.5 Europe Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)

4.5.1 Europe Black Phosphor Market Under COVID-19

4.6 China Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)

4.6.1 China Black Phosphor Market Under COVID-19

4.7 Japan Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)

4.7.1 Japan Black Phosphor Market Under COVID-19

4.8 India Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)

4.8.1 India Black Phosphor Market Under COVID-19

4.9 Southeast Asia Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)

- 4.9.1 Southeast Asia Black Phosphor Market Under COVID-19
- 4.10 Latin America Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.10.1 Latin America Black Phosphor Market Under COVID-19
- 4.11 Middle East and Africa Black Phosphor Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.11.1 Middle East and Africa Black Phosphor Market Under COVID-19

## **5 GLOBAL BLACK PHOSPHOR SALES VOLUME, REVENUE, PRICE TREND BY TYPE**

- 5.1 Global Black Phosphor Sales Volume and Market Share by Type (2017-2022)
- 5.2 Global Black Phosphor Revenue and Market Share by Type (2017-2022)
- 5.3 Global Black Phosphor Price by Type (2017-2022)
- 5.4 Global Black Phosphor Sales Volume, Revenue and Growth Rate by Type (2017-2022)
  - 5.4.1 Global Black Phosphor Sales Volume, Revenue and Growth Rate of Purity greater than 99% (2017-2022)
  - 5.4.2 Global Black Phosphor Sales Volume, Revenue and Growth Rate of Purity less than 99% (2017-2022)

## **6 GLOBAL BLACK PHOSPHOR MARKET ANALYSIS BY APPLICATION**

- 6.1 Global Black Phosphor Consumption and Market Share by Application (2017-2022)
- 6.2 Global Black Phosphor Consumption Revenue and Market Share by Application (2017-2022)
- 6.3 Global Black Phosphor Consumption and Growth Rate by Application (2017-2022)
  - 6.3.1 Global Black Phosphor Consumption and Growth Rate of Transportation (2017-2022)
  - 6.3.2 Global Black Phosphor Consumption and Growth Rate of Interiors (2017-2022)
  - 6.3.3 Global Black Phosphor Consumption and Growth Rate of Exteriors (2017-2022)
  - 6.3.4 Global Black Phosphor Consumption and Growth Rate of Aerospace & defense (2017-2022)
  - 6.3.5 Global Black Phosphor Consumption and Growth Rate of Interiors (2017-2022)
  - 6.3.6 Global Black Phosphor Consumption and Growth Rate of Electrical & Electronics (2017-2022)

## **7 GLOBAL BLACK PHOSPHOR MARKET FORECAST (2022-2027)**



- 7.1 Global Black Phosphor Sales Volume, Revenue Forecast (2022-2027)
  - 7.1.1 Global Black Phosphor Sales Volume and Growth Rate Forecast (2022-2027)
  - 7.1.2 Global Black Phosphor Revenue and Growth Rate Forecast (2022-2027)
  - 7.1.3 Global Black Phosphor Price and Trend Forecast (2022-2027)
- 7.2 Global Black Phosphor Sales Volume and Revenue Forecast, Region Wise (2022-2027)
  - 7.2.1 United States Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
  - 7.2.2 Europe Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
  - 7.2.3 China Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
  - 7.2.4 Japan Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
  - 7.2.5 India Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
  - 7.2.6 Southeast Asia Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
  - 7.2.7 Latin America Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
  - 7.2.8 Middle East and Africa Black Phosphor Sales Volume and Revenue Forecast (2022-2027)
- 7.3 Global Black Phosphor Sales Volume, Revenue and Price Forecast by Type (2022-2027)
  - 7.3.1 Global Black Phosphor Revenue and Growth Rate of Purity greater than 99% (2022-2027)
  - 7.3.2 Global Black Phosphor Revenue and Growth Rate of Purity less than 99% (2022-2027)
- 7.4 Global Black Phosphor Consumption Forecast by Application (2022-2027)
  - 7.4.1 Global Black Phosphor Consumption Value and Growth Rate of Transportation(2022-2027)
  - 7.4.2 Global Black Phosphor Consumption Value and Growth Rate of Interiors(2022-2027)
  - 7.4.3 Global Black Phosphor Consumption Value and Growth Rate of Exteriors(2022-2027)
  - 7.4.4 Global Black Phosphor Consumption Value and Growth Rate of Aerospace & defense(2022-2027)
  - 7.4.5 Global Black Phosphor Consumption Value and Growth Rate of Interiors(2022-2027)
  - 7.4.6 Global Black Phosphor Consumption Value and Growth Rate of Electrical & Electronics(2022-2027)
- 7.5 Black Phosphor Market Forecast Under COVID-19

## **8 BLACK PHOSPHOR MARKET UPSTREAM AND DOWNSTREAM ANALYSIS**

- 8.1 Black Phosphor Industrial Chain Analysis
- 8.2 Key Raw Materials Suppliers and Price Analysis
- 8.3 Manufacturing Cost Structure Analysis
  - 8.3.1 Labor Cost Analysis
  - 8.3.2 Energy Costs Analysis
  - 8.3.3 R&D Costs Analysis
- 8.4 Alternative Product Analysis
- 8.5 Major Distributors of Black Phosphor Analysis
- 8.6 Major Downstream Buyers of Black Phosphor Analysis
- 8.7 Impact of COVID-19 and the Russia-Ukraine war on the Upstream and Downstream in the Black Phosphor Industry

## **9 PLAYERS PROFILES**

### 9.1 US Research Nanomaterials

- 9.1.1 US Research Nanomaterials Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.1.2 Black Phosphor Product Profiles, Application and Specification
- 9.1.3 US Research Nanomaterials Market Performance (2017-2022)
- 9.1.4 Recent Development
- 9.1.5 SWOT Analysis

### 9.2 NovaCentrix

- 9.2.1 NovaCentrix Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.2.2 Black Phosphor Product Profiles, Application and Specification
- 9.2.3 NovaCentrix Market Performance (2017-2022)
- 9.2.4 Recent Development
- 9.2.5 SWOT Analysis

### 9.3 Heraeus

- 9.3.1 Heraeus Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.3.2 Black Phosphor Product Profiles, Application and Specification
- 9.3.3 Heraeus Market Performance (2017-2022)
- 9.3.4 Recent Development
- 9.3.5 SWOT Analysis

### 9.4 Xuancheng Jingrui

- 9.4.1 Xuancheng Jingrui Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.4.2 Black Phosphor Product Profiles, Application and Specification

- 9.4.3 Xuancheng Jingrui Market Performance (2017-2022)
- 9.4.4 Recent Development
- 9.4.5 SWOT Analysis
- 9.5 American Elements
  - 9.5.1 American Elements Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.5.2 Black Phosphor Product Profiles, Application and Specification
  - 9.5.3 American Elements Market Performance (2017-2022)
  - 9.5.4 Recent Development
  - 9.5.5 SWOT Analysis
- 9.6 EPRUI Nanomaterials and Microspheres
  - 9.6.1 EPRUI Nanomaterials and Microspheres Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.6.2 Black Phosphor Product Profiles, Application and Specification
  - 9.6.3 EPRUI Nanomaterials and Microspheres Market Performance (2017-2022)
  - 9.6.4 Recent Development
  - 9.6.5 SWOT Analysis
- 9.7 Sun Chemical Corporation
  - 9.7.1 Sun Chemical Corporation Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.7.2 Black Phosphor Product Profiles, Application and Specification
  - 9.7.3 Sun Chemical Corporation Market Performance (2017-2022)
  - 9.7.4 Recent Development
  - 9.7.5 SWOT Analysis
- 9.8 Applied Nanotech Holdings
  - 9.8.1 Applied Nanotech Holdings Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.8.2 Black Phosphor Product Profiles, Application and Specification
  - 9.8.3 Applied Nanotech Holdings Market Performance (2017-2022)
  - 9.8.4 Recent Development
  - 9.8.5 SWOT Analysis
- 9.9 Taiyo Ink
  - 9.9.1 Taiyo Ink Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.9.2 Black Phosphor Product Profiles, Application and Specification
  - 9.9.3 Taiyo Ink Market Performance (2017-2022)
  - 9.9.4 Recent Development
  - 9.9.5 SWOT Analysis
- 9.10 DuPont
  - 9.10.1 DuPont Basic Information, Manufacturing Base, Sales Region and Competitors

9.10.2 Black Phosphor Product Profiles, Application and Specification

9.10.3 DuPont Market Performance (2017-2022)

9.10.4 Recent Development

9.10.5 SWOT Analysis

9.11 Advanced Nano Products

9.11.1 Advanced Nano Products Basic Information, Manufacturing Base, Sales Region and Competitors

9.11.2 Black Phosphor Product Profiles, Application and Specification

9.11.3 Advanced Nano Products Market Performance (2017-2022)

9.11.4 Recent Development

9.11.5 SWOT Analysis

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

11.1 Methodology

11.2 Research Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Black Phosphor Product Picture

Table Global Black Phosphor Market Sales Volume and CAGR (%) Comparison by Type

Table Black Phosphor Market Consumption (Sales Volume) Comparison by Application (2017-2027)

Figure Global Black Phosphor Market Size (Revenue, Million USD) and CAGR (%) (2017-2027)

Figure United States Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Europe Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure China Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Japan Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure India Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Southeast Asia Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Latin America Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Middle East and Africa Black Phosphor Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Global Black Phosphor Market Sales Volume Status and Outlook (2017-2027)

Table Global Macroeconomic Analysis

Figure Global COVID-19 Status Overview

Table Influence of COVID-19 Outbreak on Black Phosphor Industry Development

Table Global Black Phosphor Sales Volume by Player (2017-2022)

Table Global Black Phosphor Sales Volume Share by Player (2017-2022)

Figure Global Black Phosphor Sales Volume Share by Player in 2021

Table Black Phosphor Revenue (Million USD) by Player (2017-2022)

Table Black Phosphor Revenue Market Share by Player (2017-2022)

Table Black Phosphor Price by Player (2017-2022)

Table Black Phosphor Gross Margin by Player (2017-2022)

Table Mergers & Acquisitions, Expansion Plans

Table Global Black Phosphor Sales Volume, Region Wise (2017-2022)

Table Global Black Phosphor Sales Volume Market Share, Region Wise (2017-2022)

Figure Global Black Phosphor Sales Volume Market Share, Region Wise (2017-2022)

Figure Global Black Phosphor Sales Volume Market Share, Region Wise in 2021

Table Global Black Phosphor Revenue (Million USD), Region Wise (2017-2022)

Table Global Black Phosphor Revenue Market Share, Region Wise (2017-2022)

Figure Global Black Phosphor Revenue Market Share, Region Wise (2017-2022)

Figure Global Black Phosphor Revenue Market Share, Region Wise in 2021

Table Global Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table United States Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Europe Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table China Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Japan Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table India Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Southeast Asia Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Latin America Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Middle East and Africa Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Global Black Phosphor Sales Volume by Type (2017-2022)

Table Global Black Phosphor Sales Volume Market Share by Type (2017-2022)

Figure Global Black Phosphor Sales Volume Market Share by Type in 2021

Table Global Black Phosphor Revenue (Million USD) by Type (2017-2022)

Table Global Black Phosphor Revenue Market Share by Type (2017-2022)

Figure Global Black Phosphor Revenue Market Share by Type in 2021

Table Black Phosphor Price by Type (2017-2022)

Figure Global Black Phosphor Sales Volume and Growth Rate of Purity greater than 99% (2017-2022)

Figure Global Black Phosphor Revenue (Million USD) and Growth Rate of Purity greater than 99% (2017-2022)

Figure Global Black Phosphor Sales Volume and Growth Rate of Purity less than 99% (2017-2022)

Figure Global Black Phosphor Revenue (Million USD) and Growth Rate of Purity less than 99% (2017-2022)

Table Global Black Phosphor Consumption by Application (2017-2022)

Table Global Black Phosphor Consumption Market Share by Application (2017-2022)

Table Global Black Phosphor Consumption Revenue (Million USD) by Application (2017-2022)

Table Global Black Phosphor Consumption Revenue Market Share by Application (2017-2022)

Table Global Black Phosphor Consumption and Growth Rate of Transportation (2017-2022)

Table Global Black Phosphor Consumption and Growth Rate of Interiors (2017-2022)

Table Global Black Phosphor Consumption and Growth Rate of Exteriors (2017-2022)

Table Global Black Phosphor Consumption and Growth Rate of Aerospace & defense (2017-2022)

Table Global Black Phosphor Consumption and Growth Rate of Interiors (2017-2022)

Table Global Black Phosphor Consumption and Growth Rate of Electrical & Electronics (2017-2022)

Figure Global Black Phosphor Sales Volume and Growth Rate Forecast (2022-2027)

Figure Global Black Phosphor Revenue (Million USD) and Growth Rate Forecast (2022-2027)

Figure Global Black Phosphor Price and Trend Forecast (2022-2027)

Figure USA Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure USA Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Europe Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Europe Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure China Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure China Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Japan Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Japan Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure India Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure India Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Southeast Asia Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Southeast Asia Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Latin America Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Latin America Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Middle East and Africa Black Phosphor Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Middle East and Africa Black Phosphor Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Table Global Black Phosphor Market Sales Volume Forecast, by Type

Table Global Black Phosphor Sales Volume Market Share Forecast, by Type

Table Global Black Phosphor Market Revenue (Million USD) Forecast, by Type

Table Global Black Phosphor Revenue Market Share Forecast, by Type

Table Global Black Phosphor Price Forecast, by Type

Figure Global Black Phosphor Revenue (Million USD) and Growth Rate of Purity greater than 99% (2022-2027)

Figure Global Black Phosphor Revenue (Million USD) and Growth Rate of Purity greater than 99% (2022-2027)

Figure Global Black Phosphor Revenue (Million USD) and Growth Rate of Purity less than 99% (2022-2027)

Figure Global Black Phosphor Revenue (Million USD) and Growth Rate of Purity less than 99% (2022-2027)

Table Global Black Phosphor Market Consumption Forecast, by Application

Table Global Black Phosphor Consumption Market Share Forecast, by Application

Table Global Black Phosphor Market Revenue (Million USD) Forecast, by Application

Table Global Black Phosphor Revenue Market Share Forecast, by Application

Figure Global Black Phosphor Consumption Value (Million USD) and Growth Rate of Transportation (2022-2027)

Figure Global Black Phosphor Consumption Value (Million USD) and Growth Rate of Interiors (2022-2027)

Figure Global Black Phosphor Consumption Value (Million USD) and Growth Rate of Exteriors (2022-2027)

Figure Global Black Phosphor Consumption Value (Million USD) and Growth Rate of Aerospace & defense (2022-2027)



Figure Global Black Phosphor Consumption Value (Million USD) and Growth Rate of Interiors (2022-2027)

Figure Global Black Phosphor Consumption Value (Million USD) and Growth Rate of Electrical & Electronics (2022-2027)

Figure Black Phosphor Industrial Chain Analysis

Table Key Raw Materials Suppliers and Price Analysis

Figure Manufacturing Cost Structure Analysis

Table Alternative Product Analysis

Table Downstream Distributors

Table Downstream Buyers

Table US Research Nanomaterials Profile

Table US Research Nanomaterials Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure US Research Nanomaterials Black Phosphor Sales Volume and Growth Rate

Figure US Research Nanomaterials Revenue (Million USD) Market Share 2017-2022

Table NovaCentrix Profile

Table NovaCentrix Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure NovaCentrix Black Phosphor Sales Volume and Growth Rate

Figure NovaCentrix Revenue (Million USD) Market Share 2017-2022

Table Heraeus Profile

Table Heraeus Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Heraeus Black Phosphor Sales Volume and Growth Rate

Figure Heraeus Revenue (Million USD) Market Share 2017-2022

Table Xuancheng Jingrui Profile

Table Xuancheng Jingrui Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Xuancheng Jingrui Black Phosphor Sales Volume and Growth Rate

Figure Xuancheng Jingrui Revenue (Million USD) Market Share 2017-2022

Table American Elements Profile

Table American Elements Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure American Elements Black Phosphor Sales Volume and Growth Rate

Figure American Elements Revenue (Million USD) Market Share 2017-2022

Table EPRUI Nanomaterials and Microspheres Profile

Table EPRUI Nanomaterials and Microspheres Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure EPRUI Nanomaterials and Microspheres Black Phosphor Sales Volume and

Growth Rate

Figure EPRUI Nanomaterials and Microspheres Revenue (Million USD) Market Share 2017-2022

Table Sun Chemical Corporation Profile

Table Sun Chemical Corporation Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Sun Chemical Corporation Black Phosphor Sales Volume and Growth Rate

Figure Sun Chemical Corporation Revenue (Million USD) Market Share 2017-2022

Table Applied Nanotech Holdings Profile

Table Applied Nanotech Holdings Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Applied Nanotech Holdings Black Phosphor Sales Volume and Growth Rate

Figure Applied Nanotech Holdings Revenue (Million USD) Market Share 2017-2022

Table Taiyo Ink Profile

Table Taiyo Ink Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Taiyo Ink Black Phosphor Sales Volume and Growth Rate

Figure Taiyo Ink Revenue (Million USD) Market Share 2017-2022

Table DuPont Profile

Table DuPont Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure DuPont Black Phosphor Sales Volume and Growth Rate

Figure DuPont Revenue (Million USD) Market Share 2017-2022

Table Advanced Nano Products Profile

Table Advanced Nano Products Black Phosphor Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Advanced Nano Products Black Phosphor Sales Volume and Growth Rate

Figure Advanced Nano Products Revenue (Million USD) Market Share 2017-2022

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