

Powder Metallurgy Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global powder metallurgy market size reached US\$ 2.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.1 Billion by 2028, exhibiting a growth rate (CAGR) of 9.7% during 2023-2028.

Powder metallurgy (PM) refers to a group of advanced processes that involve synthesizing, processing and shaping different materials. It also comprises mixing metal and reinforcement powders, powder compaction to produce green materials, and sintering, which is generally followed by a deformation process like hot extrusion. As it reduces scrap losses by minimizing or eliminating chip removal, PM finds extensive applications in the aerospace and electronics industries across the globe.

Powder Metallurgy Market Trends:

The thriving automotive sector represents one of the key factors bolstering the growth of the market. Moreover, PM enables the manufacturing of materials with a high melting point, which is challenging to produce using the casting method. As a result, it is used in hardware, washing machines, power tools, copiers and postage meters, hunting knives, hydraulic assemblies, fuel cells, X-ray shielding, and oil and gas drilling well-head components. Apart from this, PM is utilized in the production of porous implants that increase the adhesion between the bone tissue and the implant as it is favorable for transporting body fluid. This, along with the increasing adoption of 3D printing or additive manufacturing (AM), is positively influencing the market. Furthermore, there is a rise in the use of aluminum alloys in electric module packaging, electronic technology, automotive body structure, wind, and solar energy management on account of their conductivity and high strength and processability. Besides this, market players operating in the industry are considerably investing in research and development (R&D)

activities to propel their overall sales and profitability. Other factors facilitating the growth of the market include technological advancements and the rising number of air travelers around the world.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global powder metallurgy market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, material, manufacturing process and application.

Breakup by Type:

- Ferrous
- Non-Ferrous

Breakup by Material:

- Titanium
- Steel
- Nickel
- Aluminum
- Others

Breakup by Manufacturing Process:

- Additive Manufacturing
- Powder Bed
- Blown Powder
- Metal Injection Molding
- Powder Metal Hot Isostatic Pressing
- Others

Breakup by Application:

- Automotive
- Aerospace
- Electrical and Electronics
- Oil and Gas
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BASF SE, Carpenter Corporation, Catalus Corporation, Comtec Mfg.Inc., Fine Sinter Co. Ltd., Horizon Technology Inc., Melrose Industries PLC, Perry Tool & Research Inc., Phoenix Sintered Metals LLC, Precision Sintered Parts LLC, Sandvik AB and Sumitomo Electric Industries Ltd.

Key Questions Answered in This Report

1. What was the size of the global powder metallurgy market in 2022?
2. What is the expected growth rate of the global powder metallurgy market during

2023-2028?

3. What are the key factors driving the global powder metallurgy market?
4. What has been the impact of COVID-19 on the global powder metallurgy market?
5. What is the breakup of the global powder metallurgy market based on the type?
6. What is the breakup of the global powder metallurgy market based on the material?
7. What is the breakup of the global powder metallurgy market based on the manufacturing process?
8. What is the breakup of the global powder metallurgy market based on the application?
9. What are the key regions in the global powder metallurgy market?
10. Who are the key players/companies in the global powder metallurgy market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL POWDER METALLURGY MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Ferrous
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Non-Ferrous
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY MATERIAL

7.1 Titanium

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Steel

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Nickel

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Aluminum

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Others

7.5.1 Market Trends

7.5.2 Market Forecast

8 MARKET BREAKUP BY MANUFACTURING PROCESS

8.1 Additive Manufacturing

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Powder Bed

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Blown Powder

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Metal Injection Molding

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Powder Metal Hot Isostatic Pressing

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Others

8.6.1 Market Trends

8.6.2 Market Forecast

9 MARKET BREAKUP BY APPLICATION

9.1 Automotive

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Aerospace

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Electrical and Electronics

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Oil and Gas

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Others

9.5.1 Market Trends

9.5.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

- 10.2.4.2 Market Forecast
- 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
- 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
- 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
 - 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
 - 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
 - 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast

10.4.3 Others

10.4.3.1 Market Trends

10.4.3.2 Market Forecast

10.5 Middle East and Africa

10.5.1 Market Trends

10.5.2 Market Breakup by Country

10.5.3 Market Forecast

11 SWOT ANALYSIS

11.1 Overview

11.2 Strengths

11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 BASF SE

15.3.1.1 Company Overview

15.3.1.2 Product Portfolio

15.3.1.3 Financials

15.3.1.4 SWOT Analysis

- 15.3.2 Carpenter Corporation
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials
 - 15.3.2.4 SWOT Analysis
- 15.3.3 Catalus Corporation
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
- 15.3.4 Comtec Mfg.Inc.
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
- 15.3.5 Fine Sinter Co. Ltd.
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
- 15.3.6 Horizon Technology Inc.
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
- 15.3.7 Melrose Industries PLC
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
- 15.3.8 Perry Tool & Research Inc.
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
- 15.3.9 Phoenix Sintered Metals LLC
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
- 15.3.10 Precision Sintered Parts LLC
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
- 15.3.11 Sandvik AB
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
 - 15.3.11.3 Financials
 - 15.3.11.4 SWOT Analysis
- 15.3.12 Sumitomo Electric Industries Ltd.
 - 15.3.12.1 Company Overview
 - 15.3.12.2 Product Portfolio

15.3.12.3 Financials

15.3.12.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Powder Metallurgy Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Powder Metallurgy Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: Powder Metallurgy Market Forecast: Breakup by Material (in Million US\$), 2023-2028

Table 4: Global: Powder Metallurgy Market Forecast: Breakup by Manufacturing Process (in Million US\$), 2023-2028

Table 5: Global: Powder Metallurgy Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 6: Global: Powder Metallurgy Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Powder Metallurgy Market: Competitive Structure

Table 8: Global: Powder Metallurgy Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Powder Metallurgy Market: Major Drivers and Challenges

Figure 2: Global: Powder Metallurgy Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Powder Metallurgy Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Powder Metallurgy Market: Breakup by Type (in %), 2022

Figure 5: Global: Powder Metallurgy Market: Breakup by Material (in %), 2022

Figure 6: Global: Powder Metallurgy Market: Breakup by Manufacturing Process (in %), 2022

Figure 7: Global: Powder Metallurgy Market: Breakup by Application (in %), 2022

Figure 8: Global: Powder Metallurgy Market: Breakup by Region (in %), 2022

Figure 9: Global: Powder Metallurgy (Ferrous) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Powder Metallurgy (Ferrous) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Powder Metallurgy (Non-Ferrous) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Powder Metallurgy (Non-Ferrous) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Powder Metallurgy (Titanium) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Powder Metallurgy (Titanium) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Powder Metallurgy (Steel) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Powder Metallurgy (Steel) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Powder Metallurgy (Nickel) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Powder Metallurgy (Nickel) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Powder Metallurgy (Aluminum) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Powder Metallurgy (Aluminum) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Powder Metallurgy (Other Materials) Market: Sales Value (in Million

US\$), 2017 & 2022

Figure 22: Global: Powder Metallurgy (Other Materials) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Powder Metallurgy (Additive Manufacturing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Powder Metallurgy (Additive Manufacturing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Powder Metallurgy (Powder Bed) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Powder Metallurgy (Powder Bed) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Powder Metallurgy (Blown Powder) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Powder Metallurgy (Blown Powder) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Powder Metallurgy (Metal Injection Molding) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Powder Metallurgy (Metal Injection Molding) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Powder Metallurgy (Powder Metal Hot Isostatic Pressing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Powder Metallurgy (Powder Metal Hot Isostatic Pressing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Powder Metallurgy (Other Manufacturing Process) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Powder Metallurgy (Other Manufacturing Process) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Global: Powder Metallurgy (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Global: Powder Metallurgy (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Global: Powder Metallurgy (Aerospace) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Global: Powder Metallurgy (Aerospace) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Global: Powder Metallurgy (Electrical and Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Global: Powder Metallurgy (Electrical and Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Global: Powder Metallurgy (Oil and Gas) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Global: Powder Metallurgy (Oil and Gas) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Global: Powder Metallurgy (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Global: Powder Metallurgy (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: North America: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: North America: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: United States: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: United States: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Canada: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Canada: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Asia-Pacific: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Asia-Pacific: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: China: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: China: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Japan: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Japan: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: India: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: India: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: South Korea: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: South Korea: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Australia: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Australia: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Indonesia: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Indonesia: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Others: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Others: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Europe: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Europe: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Germany: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Germany: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: France: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: France: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: United Kingdom: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: United Kingdom: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Italy: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Italy: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Spain: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Spain: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Russia: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Russia: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Others: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 82: Others: Powder Metallurgy Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 83: Latin America: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 84: Latin America: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 85: Brazil: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 86: Brazil: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 87: Mexico: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 88: Mexico: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 89: Others: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 90: Others: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 91: Middle East and Africa: Powder Metallurgy Market: Sales Value (in Million US\$), 2017 & 2022

Figure 92: Middle East and Africa: Powder Metallurgy Market: Breakup by Country (in %), 2022

Figure 93: Middle East and Africa: Powder Metallurgy Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 94: Global: Powder Metallurgy Industry: SWOT Analysis

Figure 95: Global: Powder Metallurgy Industry: Value Chain Analysis

Figure 96: Global: Powder Metallurgy Industry: Porter's Five Forces Analysis

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