

Powder Metallurgy – A Global Market Overview

“The report reviews, analyzes and projects the global market for Powder Metallurgy for the period 2017-2026. Powder Metallurgy metal types analyzed in the study include Ferrous Metals and Non-Ferrous Metals. Market for sub-types of these categories further analyzed for Ferrous Metals – Iron Powder and Steel Powder; and Non-Ferrous Metals - Aluminum, Cobalt, Copper, Nickel, Titanium and Other Non-Ferrous Metals. Powder Metallurgy applications analyzed in this report include Aerospace, Automotive, Electrical & Electronics, Industrial Machinery, Medical and Others (includes biomaterials, business machines and oil & gas).”

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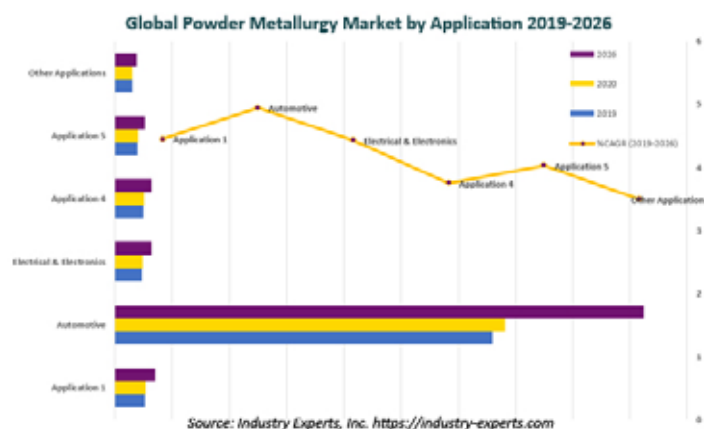
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Report Synopsis

COVID-19 has sent the global markets into a tizzy with the impact it has had and the Powder Metallurgy (PM) industry is no exception to this. However, the overall effect of this malaise on the market for PM may not be as pronounced as being witnessed by other sectors. The major end-use industries of PM include Automotive with over 75% share in 2019, with Aerospace, Electrical & Electronics and Medical accounting for nearly similar smaller splits.

Automotive accounts for about three-fourth of the global Powder Metallurgy market in 2019 and also projected to lead the market through to the analysis period 2019-2026. The overall Powder Metallurgy market is estimated to reach \$9 billion in 2020 with a reduced y-o-y growth.



Research Findings & Coverage

- Powder Metallurgy global market is explored in this report with respect to metal types and key applications
- The study extensively analyzes each metal type and key application of powder metallurgy in all major regions for the analysis period
- Inherent Sustainability Drives the Powder Metallurgy Market
- Recent Advances in Powder Metallurgy Technology

- Direct Current Plasma Sintering Technique: An Innovation in Powder Metallurgy
- Future of Powder Metallurgy in Auto Industry Secure
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 39
- The industry guide includes the contact details for 201 companies

Product Outline

The report analyzes the market for key metal types of Powder Metallurgy including:

- Ferrous
 - Iron Powder
 - Steel Powder
- Non-Ferrous
 - Aluminum
 - Cobalt
 - Copper
 - Nickel
 - Titanium
 - Other Non-Ferrous Metals

Application Areas of Powder Metallurgy analyzed comprise the following:

- Aerospace
- Automotive
- Electrical & Electronics
- Industrial Machinery
- Medical
- Others

Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Powder Metallurgy market for the period 2017-2026 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2017 through 2026

Geographic Coverage

- **North America** (The United States, Canada and Mexico)
- **Europe** (France, Germany, Italy, Russia, Spain, the United Kingdom and Rest of Europe)
- **Asia-Pacific** (China, India, Japan, South Korea and Rest of Asia-Pacific)
- **South America** (Argentina, Brazil and Rest of South America)
- **Rest of World**

SAMPLE COMPANY PROFILE

AMERICAN CHEMET CORPORATION

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Business Overview

Established in 1946 with headquarters in Illinois, United States, American Chemet Corporation is a privately-owned producer and marketer of metal-based chemicals, comprising cuprous oxide, cupric oxide, zinc oxide, copper powder, cuprous oxide based agricultural fungicides, and related products. The company is a global leader in copper oxides and offered its cuprous oxides and cupric oxides for use in antifouling coatings, agricultural applications, catalysts, ceramics, copper chemical production, and ferrite production. Besides headquarters, the company has manufacturing locations in Montana and Tennessee; and sales and executive offices in Illinois. The Montana facility is engaged in the production of cuprous oxides, cupric oxides, and fine particle size copper powders. American Chemet has broadened its business operations by acquiring US Metal Powders' copper assets and forming Royal Metal Powders Inc. in 2010 and further broadened Royal by purchasing Horsehead Corporation's copper business in 2013. The company made investment in new cupric oxide production technology to further expand its business in 2014. The product line offered by the company encompasses copper products, comprising cuprous oxide, cupric oxide, copper powder, and cuprous oxide agricultural (AG) fungicide; and zinc oxide.

Product Portfolio

Product	Particulars
Cuprous Oxide (Cu ₂ O)	Products include LoLo Tint®, Chemet CDC™ Applications encompass anti-fouling coatings, mineral supplement for animal diets; colorant for porcelain, glazes, and glass; catalyst, brazing pastes, agricultural foliar fertilizer, and agricultural fungicide and seed dressing
Cupric Oxide (CuO)	Products include various grades of cupric oxide Applications comprise colorant in glass, ceramics glazes and enamels; as a catalyst and in catalyst preparation; ferrite production; wood treatment chemicals; copper plating; mineral supplement for animal diets; and preparation of other copper chemicals
Copper Powder	Products include copper powders of various particle sizes Applications cover powder metallurgy (PM), metal injection molding (MIM), friction components, thermal management, diamond cutting tools, lubricants, carbon brush, coatings, catalyst, and brazing paste
Cuprous Oxide AG Fungicide	Products encompass two formulated agricultural fungicides based on cuprous oxide, Chem Copp 50 (50% copper) and AG Copp 75 (75% copper) for controlling fungal and bacterial diseases on various crops, such as almonds, apples, apricots, avocado, citrus, cocoa, coffee, conifers, grapes, kiwi fruit, mangoes, nectarines, olives, stone fruits, tomatoes, walnuts
Zinc Oxide	Products include Zinc Oxide - Zinox 430™ Applications encompass activator in rubber compounding; brick and ceramic colorant; specialty coatings; trace element for animal feed; nutrient in agriculture fertilizers; production of zinc chemicals

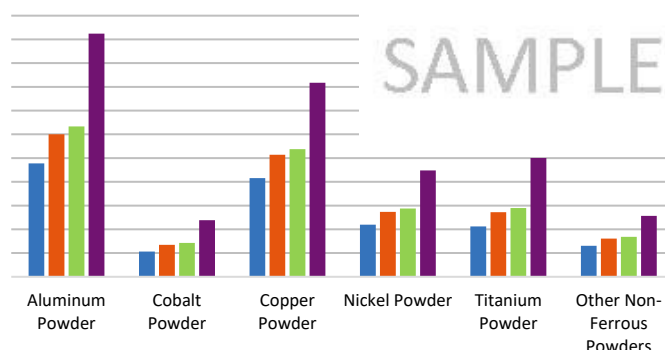
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SAMPLE TABLE/CHART

Glance at 2019 Global Powder Metallurgy Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World



Asia-Pacific Non-Ferrous Metal Powder Metallurgy Market Analysis (2017-2026) by Metal Sub-Type – Aluminum Powder, Cobalt Powder, Copper Powder, Nickel Powder, Titanium Powder and Other Non-Ferrous Powders in USD Million



KEY PLAYERS PROFILED

- American Chemet Corporation
- AMETEK, Inc.
- Asbury Carbons, Inc.
- BASF SE
- Carpenter Technology Corporation
- Daido Steel Co., Ltd.
- Diamet Corporation
- Dorst Technologies GmbH & CO. KG.
- GKN Hoeganaes
- Graphit Kropfmühl GmbH
- H.C. Starck GmbH
- Hitachi Chemical Company, Ltd.
- Imerys Graphite & Carbon
- Kennametal Inc.
- Kobe Steel, Ltd.
- Kymera International
- Lonza Group Ltd
- Makin Metal Powders (UK) Ltd.
- MIBA AG
- PMG Holding GmbH
- Pometon S.p.A.
- Rio Tinto Metal Powders
- Sandvik AB
- Sumitomo Electric Industries, Ltd.
- Tenneco Inc.

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