

Additive Manufacturing in Powder Metallurgy: Global Markets

<https://marketpublishers.com/r/A3C1E2C1F2CAEN.html>

Date: June 2022

Pages: 133

Price: US\$ 5,500.00 (Single User License)

ID: A3C1E2C1F2CAEN

Abstracts

Report Scope:

This report analyzes the global and regional markets in powder metallurgy. We have included individual processes with in-depth applications for metal powder and parts. The report also includes major driving trends and challenges that affect the market and the vendor landscape. Apart from the dynamics, it also provides information about industry standards, government and industry support, regulations, and other factors that will shape the market's demand in the coming years.

This report has been prepared in a simple, easy-to-understand format; tables and figures are included to illustrate historical, current, and future market scenarios. The report also covers leading companies with information on product types, business footprint, revenue, employee strength, etc. We have also included a list of global and local players with their product-related information.

For this report, we have considered the impact of COVID-19 on the global and regional markets. 2021 is regarded as a historic/base year, while 2022 is considered an estimated year, and the market values are forecast for five years from 2022 to 2027. All market values are in U.S. dollars (\$).

Report Includes:

27 data tables and 31 additional tables

An overview of the global market for additive manufacturing in powder metallurgy

Estimation of the market size and analyses of global market trends, with data from 2020, 2021, estimates for 2022 and 2023 with projections of compound annual growth rates (CAGRs) through 2028

Characterization and quantification of market potential for additive manufacturing in powder metallurgy by product, type, and region

Identification of market drivers, restraints and other forces impacting the global market and evaluation of current market trends, market size, and market forecast

Market share analysis of the key companies of the industry and coverage of events like mergers & acquisitions, joint ventures, collaborations or partnerships, and other key market strategies and a relevant patent analysis

Company profiles of major players, Carpenter Technology, General Electric, Kennametal Inc., Sandvik, VDM Metals

Contents

CHAPTER 1 INTRODUCTION

Overview
Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
Information Sources
Intended Audience
Research Methodology
Regional Breakdown
Analyst's Credentials
BCC Custom Research
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 TECHNOLOGY AND MARKET BACKGROUND

Current Market Overview
History of Additive Manufacturing
Advantages of Additive Manufacturing in Powder Metallurgy
AM Offers Freedom to Fabricate Complex Parts
Design Advantage of Additive Manufacturing
3D Printing Takes 10X Less Time to Fabricate Identical Parts
Weight Reduction
Influx of 3D Printing Metal Powders
Secondary Operations After AM Parts Production
Chemistry of Additive Metal Powders
Applications of Additive Manufacturing in Powder Metallurgy
Powder Metallurgy Processes Used in Additive Manufacturing
Metal Powders Production Process
Comparison of Metal Powder Production Processes
3D Printing Parts Production Process
3D Printing Powders/Materials/Feedstocks
Steel-based 3D Printing Powders
Titanium-based 3D Printing Powders
Nickel-based 3D Printing Powders

Cobalt-based 3D Printing Powders
Aluminum-based 3D Printing Powders
Refractory Metals-based 3D Printing Powders
Other 3D Printing Powders
End-Use Industries of Additive Manufacturing in Powder Metallurgy
Automotive
Healthcare (Medical and Dental)
Aerospace and Defense
Semiconductor Applications
Sports and Consumer Goods
Turbomachinery Applications
Value Chain of Additive Manufacturing in Powder Metallurgy
Global Market Dynamic
Market Drivers
Market Restraints
Current Market Trends
Market Opportunities
Emerging Applications of 3D Printing in Powder Metallurgy
Green Transportation
Additive Manufacturing in the Protection of Wildlife
Patent Analysis
Overview
Impact of COVID-19
Industry Expert Insights

CHAPTER 4 GLOBAL MARKET FOR ADDITIVE MANUFACTURING IN POWDER METALLURGY

Introduction
Global Powder Metallurgy Market by Type of Powder
Global Market for Additive Manufacturing in Powder Metallurgy by Type of Powder Production
Global Market for Powder Metallurgy by End-Use Industry
Aerospace and Defense
Automotive Applications
Medical and Dental Applications
Consumer Goods
Service Bureaus
Other End-use Industries

Global Market for Additive Manufacturing in Powder Metallurgy by Region

CHAPTER 5 REGIONAL MARKETS FOR ADDITIVE MANUFACTURING IN POWDER METALLURGY

North America

Introduction

North American Market for Additive Manufacturing in Powder Metallurgy by Type of Powder

North American Market for Additive Manufacturing in Powder Metallurgy by Type of Process

North American Market for Additive Manufacturing in Powder Metallurgy by End-Use Industry

North American Market for Additive Manufacturing in Powder Metallurgy by Country

European Market for Additive Manufacturing in Powder Metallurgy

Introduction

European Market for Additive Manufacturing in Powder Metallurgy by Type of Powder

European Market for Additive Manufacturing in Powder Metallurgy by Type of Process

European Market for Additive Manufacturing in Powder Metallurgy by End-Use Industry

European Market for Additive Manufacturing in Powder Metallurgy by Country

Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy

Introduction

Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy by Type of Powder

Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy by Type of Process

Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy by End-Use Industry

Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy by Country

Rest of the World Market for Additive Manufacturing in Powder Metallurgy

Introduction

Rest of the World Market for Additive Manufacturing in Powder Metallurgy by Type of Powder

Rest of the World Market for Additive Manufacturing in Powder Metallurgy by Type of Process

Rest of the World Market for Additive Manufacturing in Powder Metallurgy by End-Use Industry

Rest of the World Market for Additive Manufacturing in Powder Metallurgy by Country

CHAPTER 6 COMPETITIVE LANDSCAPE

Characteristics of Additive Manufacturing in the Powder Metallurgy Industry
Leading 3D Printing Metal Powder Producers
Key Developments

CHAPTER 7 COMPANY PROFILES

3D SYSTEMS INC.
ADMATEC BV
ALLEGHENY TECHNOLOGIES INC.
AMETEK INC.
CARPENTER TECHNOLOGY CORP.
FARSOON TECHNOLOGIES
GENERAL ELECTRIC
GKN POWDER METALLURGY
HOGANAS AB
KENNAMETAL INC.
RENISHAW PLC
SANDVIK AB
SLM SOLUTIONS GROUP AG
VDM METALS GMBH
XJET
List of Other Players

CHAPTER 8 APPENDIX: ACRONYMS

List Of Tables

LIST OF TABLES

Summary Table: Global Market for Additive Manufacturing in Powder Metallurgy, by Region, Through 2027

Table 1: 316L Stainless Steel Chemistry, Percent by Weight

Table 2: Superalloy IN718, Chemistry, Percent by Weight

Table 3: Additive Manufacturing Metal Powder Production Process Comparison

Table 4: Relevance of Additive Manufacturing Technologies with the Metal Materials

Table 5: Tool Steel-based Alloys Used in Additive Manufacturing

Table 6: Stainless Steel-based Alloys Used in Additive Manufacturing

Table 7: Titanium-based Alloys Used in Additive Manufacturing

Table 8: Nickel-based Alloys Used in Additive Manufacturing

Table 9: Cobalt-based Alloys Used in Additive Manufacturing

Table 10: Aluminum Alloys Used in Additive Manufacturing

Table 11: Chemical Composition of AISi10Mg

Table 12: Aluminum-based Alloy Properties and Application

Table 13: Precious Metal Alloys Used in Additive Manufacturing

Table 14: Copper-based Alloys Used in Additive Manufacturing

Table 15: Advantages of Additive Manufacturing for Healthcare Applications

Table 16: Advantages of Additive Manufacturing for Orthopedic Implants

Table 17: Global Market for Additive Manufacturing in Powder Metallurgy, by Type of Powder, Through 2027

Table 18: Global Market for Additive Manufacturing in Powder Metallurgy, by Type of Process, Through 2027

Table 19: 3D Printing Applications in Aerospace and Defense

Table 20: Types of Medical Implants and Instruments Produced by Additive Manufacturing

Table 21: Global Market for Additive Manufacturing in Powder Metallurgy, by End-Use Industry, Through 2027

Table 22: Global Market for Additive Manufacturing in Powder Metallurgy, by Region, Through 2027

Table 23: North American Market for Additive Manufacturing in Powder Metallurgy, by Type of Powder, Through 2027

Table 24: North American Market for Additive Manufacturing in Powder Metallurgy, by Type of Process, Through 2027

Table 25: North American Market for Additive Manufacturing in Powder Metallurgy, by End-Use Industry, Through 2027

- Table 26: Canadian Universities and Institutions Involved in Powder Metallurgy
- Table 27: North American Market for Additive Manufacturing in Powder Metallurgy, by Country, Through 2027
- Table 28: European Market for Additive Manufacturing in Powder Metallurgy, by Type of Powder, Through 2027
- Table 29: European Market for Additive Manufacturing in Powder Metallurgy, by Type of Process, Through 2027
- Table 30: European Additive Manufacturing in the Powder Metallurgy Market, by End-Use Industry, Through 2027
- Table 31: Application of 3D Printing in Various End-use Industries
- Table 32: Scandinavian-Based Powder Metallurgy Players, by Product Category
- Table 33: European Market for Additive Manufacturing in Powder Metallurgy, by Country, Through 2027
- Table 34: Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy, by Type of Powder, Through 2027
- Table 35: Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy, by Type of Process, Through 2027
- Table 36: Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy, by End-Use Industry, Through 2027
- Table 37: Asia-Pacific Market for Additive Manufacturing in Powder Metallurgy, by Country, Through 2027
- Table 38: Rest of the World Market for Additive Manufacturing in Powder Metallurgy, by Type of Powder, Through 2027
- Table 39: Rest of the World Market for Additive Manufacturing in Powder Metallurgy, by Type of Process, Through 2027
- Table 40: Rest of the World Market for Additive Manufacturing in Powder Metallurgy, by End-Use Industry, Through 2027
- Table 41: Rest of the World Market for Additive Manufacturing in Powder Metallurgy, by Region, Through 2027
- Table 42: Global Rankings of Leading Powder Metallurgy Product Manufacturers, 2021
- Table 43: New Product Launches by Key Players, June 2021 to May 2022
- Table 44: Acquisitions by Key Players, October 2019
- Table 45: Collaborations by Key Players, May 2022
- Table 46: Partnership/Agreements/Joint Ventures by Key Players, March 2021 to March 2022
- Table 47: Expansions by Key Players, April 2021 to March 2022
- Table 48: 3D Systems: Gross Revenue Growth, 2016-2021
- Table 49: General Electric: Segment Revenue, 2019-2021
- Table 50: Kennametal Inc.: Segment Revenue, 2019-2021

Table 51: Renishaw plc: Segment Revenue, 2017-2021

Table 52: Additive Manufacturing of Metal Powders and Their Particle Sizes

Table 53: Sandvik AB (Sandvik Materials Technology): Segment Revenue, 2017-2021

Table 54: SLM Solutions: Segment Revenue, 2018-2021

Table 55: Other Players in the Powder Metallurgy Market

Table 56: List of 3D Printing Service Providers

Table 57: Acronym Used in This Report

List Of Figures

LIST OF FIGURES

Summary Figure: Global Market for Additive Manufacturing in Powder Metallurgy, by Region, 2021-2027

Figure 1: Advantages of Additive Manufacturing in Powder Metallurgy

Figure 2: 3D Printing Powders Mapped by Strength and Hardness

Figure 3: Favorable Conditions for Using Additive Manufacturing to Fabricate Parts

Figure 4: Particle Shape of Additive Manufacturing Powder

Figure 5: Jewelry Pattern of Parts Produced by Additive Manufacturing

Figure 6: Value Chain of Additive Manufacturing in Powder Metallurgy

Figure 7: Economic, Technological, and Government Opportunities in Additive Manufacturing

Figure 8: Porter's Five Forces Analysis of the Global Market for Additive Manufacturing in Powder Metallurgy

Figure 9: Global Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Powder, 2021

Figure 10: Plasma-Rotating Electrode Powder Properties

Figure 11: Global Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Process, 2021

Figure 12: Global Market Shares of Additive Manufacturing in Powder Metallurgy, by Region, 2021

Figure 13: Global Market Shares of Additive Manufacturing in Powder Metallurgy, by End-Use Industry, 2021

Figure 14: Global Market Shares of Additive Manufacturing in Powder Metallurgy, by Region, 2021

Figure 15: North American Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Powder, 2021

Figure 16: North American Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Process, 2021

Figure 17: North American Market Shares of Additive Manufacturing in Powder Metallurgy, by End-Use Industry, 2021

Figure 18: Adoption of Additive Manufacturing by Large Enterprises in Canada Across All Industries (Before COVID-19 vs. After COVID-19)

Figure 19: North American Market Shares of Additive Manufacturing in Powder Metallurgy, by Country, 2021

Figure 20: European Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Powder, 2021

Figure 21: European Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Process, 2021

Figure 22: European Market Shares of Additive Manufacturing in Powder Metallurgy, by End-Use Industry, 2021

Figure 23: European Market Shares of Additive Manufacturing in Powder Metallurgy, by Country, 2021

Figure 24: Asia-Pacific Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Powder, 2021

Figure 25: Asia-Pacific Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Process, 2021

Figure 26: Asia-Pacific Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Process, 2021

Figure 27: Asia-Pacific Market Shares of Additive Manufacturing in Powder Metallurgy, by Country, 2021

Figure 28: Rest of the World Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Powder, 2021

Figure 29: Rest of the World Market Shares of Additive Manufacturing in Powder Metallurgy, by Type of Process, 2021

Figure 30: Rest of the World Market Shares of Additive Manufacturing in Powder Metallurgy, by End-Use Industry, 2021

Figure 31: Rest of the World Market Shares of Additive Manufacturing in Powder Metallurgy, by Region, 2021

Figure 32: 3D Systems: Sales Shares, by Business Segment, 2021

Figure 33: 3D Systems: Sales Shares, by Region, 2021

Figure 34: Allegheny Technologies: Sales Shares, by End-Use Segment, 2021

Figure 35: Allegheny Technologies: Sales Shares, by Region, 2021

Figure 36: Carpenter Technology Corp.: Sales Shares, by End-Use Segment, 2021

Figure 37: Carpenter Technology Corp.: Sales Shares, by Region, 2021

Figure 38: General Electric: Sales Shares, by Business Segment, 2021

Figure 39: Kennametal Inc.: Sales Shares, by Business Segment, 2021

Figure 40: Renishaw plc: Sales Shares, by Business Segment, 2021

Figure 41: Renishaw plc: Sales Shares, by Region, 2021

Figure 42: Sandvik AB: Sales Shares, by Business Segment, 2021

Figure 43: Sandvik AB: Sales Shares, by Region, 2021

Figure 44: SLM Solutions: Sales Shares, by Region, 2021

Figure 45: VDM Metals GMBH: Sales Shares, by Region, 2021

I would like to order

Product name: Additive Manufacturing in Powder Metallurgy: Global Markets

Product link: <https://marketpublishers.com/r/A3C1E2C1F2CAEN.html>

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A3C1E2C1F2CAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970