

3D Printing Powder Market by Type (Metal, Plastic, Ceramic), by Application (Aerospace & Defense, Automotive, Medical & Dental, Others), by Geography (North America, Europe, Asia-Pacific, RoW) - Global Forecast to 2020

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Abstracts

The global 3D printing powder market is projected to reach USD 636.9 million by 2020, at a CAGR of 24.4% from 2015 to 2020. The increasing application of 3D printing in aerospace & defense industry, majorly in the manufacturing of aircraft engines and components as well as the expiry of various technology patents are the major factors that are expected to drive the growth of the 3D printing powder market.

Aerospace & defense segment is projected to contribute highest market share till 2020

The aerospace & defense application segment accounted for the largest share of the 3D printing powder. This technology has the ability to bring revolution in the manufacturing industry. 3D printing has also been successively used in bones and dental crowns, cars and buildings, and so on. Factors, such as rapid technological developments in 3D printing, along with the expiry of process patents for powder-based technology are expected to drive the global 3D printing powder market.

North America is expected to be a major market for 3D printing powder till 2020

North America is projected to be a major market for 3D printing powder in 2015. However, the 3D printing powder market is expected to penetrate emerging countries as well, where manufacturing industries are not well developed. The 3D printing powder market in RoW is expected to grow at the highest CAGR between 2015 and 2020, with knowledge transfer taking place between industrial and emerging countries. The growth

of the 3D printing powder market in Asia-Pacific is expected to be driven by the increasing presence of manufacturers in this region.

Metal powders segment is projected to account for the highest consumption

The metal powders segment is projected to account for the highest consumption. Powder-based laser sintering technology is one of the affordable technologies, which uses metal powders to produce durable products. As many important patents related to this technology have expired in 2014, it is expected that the powder-based laser sintering technology will be now accessible to various number of manufacturers, thus fueling the demand for powder-based printers in the coming years. The reduction in technology cost is expected to lead to increasing demand from other applications.

BREAKDOWN OF PROFILE OF PRIMARY PARTICIPANTS:

By Company Type: Tier 1 - 30 %, Tier 2 - 55% and Tier 3 - 15%

By Designation: C level - 35%, Manager level - 45%, Others - 20%

By Region: North America - 30%, Europe - 40%, APAC - 20%, RoW - 10%

Further, as a part of qualitative analysis, the research provides a comprehensive review of major market drivers, restraints, opportunities, challenges, and regulations. It also discusses competitive strategies adopted by market players across different regions. Leading producers of 3D printing powders have been listed in the report with their recent developments and expansion strategies. Powder manufacturers including Sandvik AB (Sweden), Carpenter Technology Corporation (U.S.), LPW Technology (U.K.), Arcam AB (Sweden) have been profiled in this report.

Reasons to buy this report:

This report covers the following key aspects:

What will be the market size by 2020 and what will be the growth rate

What are the key market trends

What is driving this market

What are the challenges that impact market growth

Who are the key players in this market

Global report covers key regions such as North America, Europe, and Asia-Pacific with their major countries

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET SEGMENTATION & COVERAGE
- 1.3 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 INTEGRATED ECOSYSTEM OF THE GLOBAL 3D PRINTING POWDER MARKET
- 2.2 ARRIVING AT THE GLOBAL 3D PRINTING POWDER MARKET SIZE
 - 2.2.1 TOP-DOWN APPROACH
 - 2.2.2 BOTTOM-UP APPROACH
 - 2.2.3 DEMAND SIDE APPROACH
- 2.3 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 MARKET OVERVIEW

- 4.1 INTRODUCTION
- 4.2 3D PRINTING POWDER MARKET: COMPARISON WITH 3D PRINTING MATERIAL (PARENT MARKET)
- 4.3 MARKET DRIVERS AND INHIBITORS
- 4.4 KEY MARKET DYNAMICS

5 3D PRINTING POWDER MARKET, BY APPLICATION

- 5.1 INTRODUCTION
- 5.2 AEROSPACE & DEFENSE
- 5.3 AUTOMOTIVE
- 5.4 MEDICAL & DENTAL

6 3D PRINTING POWDER MARKET, BY TYPE

- 6.1 INTRODUCTION
- 6.2 METAL
- 6.3 PLASTIC

6.4 CERAMIC

7 3D PRINTING POWDER MARKET, BY GEOGRAPHY

7.1 INTRODUCTION

7.2 NORTH AMERICA

7.2.1 BY APPLICATION

7.2.2 BY TYPE

7.3 ASIA-PACIFIC

7.3.1 BY APPLICATION

7.3.2 BY TYPE

7.4 EUROPE

7.4.1 BY APPLICATION

7.4.2 BY TYPE

7.5 ROW

7.5.1 BY APPLICATION

7.5.2 BY TYPE

8 COMPETITIVE LANDSCAPE

8.1 COMPANY PRESENCE IN 3D PRINTING POWDER MARKET, BY TYPE

8.2 COMPANY DEVELOPMENTS

8.2.1 MERGERS, ACQUISITIONS, AND PARTNERSHIPS

8.2.2 NEW PRODUCT LAUNCHES

8.2.3 INVESTMENTS

9 COMPANY PROFILES

(Overview, Financials, Products & Services, Strategy, and Developments)*

9.1 SANDVIK AB

9.2 CARPENTER TECHNOLOGY CORPORATION

9.3 LPW TECHNOLOGY

9.4 ARCAM AB

9.5 ERASTEEL

9.6 EOS GMBH ELECTRO OPTICAL SYSTEMS

9.7 ARKEMA

9.8 EXONE GMBH

9.9 HOGANAS AB

9.10 GKN PLC

*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted companies.

10 APPENDIX

10.1 CUSTOMIZATION OPTIONS

10.1.1 TECHNICAL ANALYSIS

10.1.2 LOW-COST SOURCING LOCATIONS

10.1.3 REGULATORY FRAMEWORK

10.1.4 POWDER USAGE DATA

10.1.5 IMPACT ANALYSIS

10.1.6 TRADE ANALYSIS

10.1.7 HISTORICAL DATA AND TRENDS

10.2 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE

10.2.1 RT SNAPSHOT

10.3 RELATED REPORTS

List Of Tables

LIST OF TABLES

- Table 1 3D PRINTING POWDER PEER MARKET SIZE, 2014 (USD MN)
- Table 2 3D PRINTING POWDER APPLICATION MARKET, 2014 (USD MN)
- Table 3 3D PRINTING POWDER MARKET: COMPARISON WITH THE PARENT MARKET, 2013-2020 (USD MN)
- Table 4 3D PRINTING POWDER MARKET: COMPARISON WITH THE PARENT MARKET, 2013-2020 (MT)
- Table 5 3D PRINTING POWDER MARKET: DRIVERS AND INHIBITORS
- Table 6 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (USD MN)
- Table 7 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (MT)
- Table 8 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (USD MN)
- Table 9 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (MT)
- Table 10 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (USD MN)
- Table 11 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (MT)
- Table 12 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (USD MN)
- Table 13 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (MT)
- Table 14 3D PRINTING POWDER IN AEROSPACE & DEFENSE, BY GEOGRAPHY, 2013 – 2020 (USD MN)
- Table 15 3D PRINTING POWDER IN AEROSPACE & DEFENSE, BY GEOGRAPHY, 2013-2020 (MT)
- Table 16 3D PRINTING POWDER MARKET IN AUTOMOTIVE, BY GEOGRAPHY, 2013-2020 (USD MN)
- Table 17 3D PRINTING POWDER IN AUTOMOTIVE, BY GEOGRAPHY, 2013-2020 (MT)
- Table 18 3D PRINTING POWDER IN MEDICAL & DENTAL, BY GEOGRAPHY, 2013–2020 (USD MN)
- Table 19 3D PRINTING POWDER IN MEDICAL & DENTAL, BY GEOGRAPHY, 2013-2020 (MT)
- Table 20 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (USD MN)
- Table 21 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (MT)
- Table 22 3D PRINTING POWDER MARKET: TYPE COMPARISON WITH POWDER MARKET, 2013-2020 (USD MN)
- Table 23 METAL 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (USD MN)
- Table 24 METAL 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (MT)

Table 25 PLASTIC 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (USD MN)

Table 26 PLASTIC 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (MT)

Table 27 CERAMIC 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (USD MN)

Table 28 CERAMIC 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (MT)

Table 29 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (USD MN)

Table 30 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2013-2020 (MT)

Table 31 NORTH AMERICA 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (USD MN)

Table 32 NORTH AMERICA 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (MT)

Table 33 NORTH AMERICA 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (USD MN)

Table 34 NORTH AMERICA 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (MT)

Table 35 ASIA-PACIFIC 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (USD MN)

Table 36 ASIA-PACIFIC 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (MT)

Table 37 ASIA-PACIFIC 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (USD MN)

Table 38 ASIA-PACIFIC 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (MT)

Table 39 EUROPE 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (USD MN)

Table 40 EUROPE 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (MT)

Table 41 EUROPE 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (USD MN)

Table 42 EUROPE 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (MT)

Table 43 ROW 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (USD MN)

Table 44 ROW 3D PRINTING POWDER MARKET, BY APPLICATION, 2013-2020 (MT)

Table 45 ROW 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (USD MN)

Table 46 ROW 3D PRINTING POWDER MARKET, BY TYPE, 2013-2020 (MT)

Table 47 3D PRINTING POWDER MARKET: MERGERS, ACQUISITIONS, AND

PARTNERSHIPS

Table 48 3D PRINTING POWDER MARKET: NEW PRODUCT LAUNCHES

Table 49 3D PRINTING POWDER MARKET: INVESTMENTS

Table 50 SANDVIK AB: REVENUE, BY BUSINESS SEGMENT, 2010-2014 (USD MN)

Table 51 CARPENTER TECHNOLOGY CORPORATION: REVENUE, BY BUSINESS SEGMENT, 2010-2014 (USD MN)

Table 52 ARKEMA: REVENUE, BY BUSINESS SEGMENT, 2010-2014 (USD MN)

Table 53 GKN PLC: REVENUE, BY BUSINESS SEGMENT, 2010-2014 (USD MN)

List Of Figures

LIST OF FIGURES

Figure 1 GLOBAL 3D PRINTING POWDER MARKET: SEGMENTATION & COVERAGE

Figure 2 3D PRINTING POWDER MARKET: INTEGRATED ECOSYSTEM

Figure 3 RESEARCH METHODOLOGY

Figure 4 TOP-DOWN APPROACH

Figure 5 BOTTOM-UP APPROACH

Figure 6 DEMAND SIDE APPROACH

Figure 7 3D PRINTING POWDER MARKET SNAPSHOT

Figure 8 3D PRINTING POWDER MARKET: GROWTH ASPECTS

Figure 9 3D PRINTING POWDER MARKET: PARENT MARKET COMPARISON

Figure 10 3D PRINTING POWDER MARKET, BY APPLICATIONS, 2015 & 2020

Figure 11 3D PRINTING POWDER MARKET: GROWTH ANALYSIS, BY TYPE, 2013-2020 (%)

Figure 12 3D PRINTING POWDER MARKET: GROWTH ANALYSIS, BY GEOGRAPHY, 2015 & 2020 (%)

Figure 13 3D PRINTING POWDER: APPLICATION MARKET SCENARIO

Figure 14 3D PRINTING POWDER MARKET, BY APPLICATION, 2015 & 2020 (USD MN)

Figure 15 3D PRINTING POWDER MARKET, BY APPLICATION, 2015 & 2020 (MT)

Figure 16 3D PRINTING POWDER MARKET IN AEROSPACE & DEFENSE, BY GEOGRAPHY, 2015 & 2020 (USD MN)

Figure 17 3D PRINTING POWDER MARKET IN AUTOMOTIVE, BY GEOGRAPHY, 2015 & 2020 (USD MN)

Figure 18 3D PRINTING POWDER IN MEDICAL & DENTAL, BY GEOGRAPHY, 2015 & 2020 (USD MN)

Figure 19 3D PRINTING POWDER MARKET, BY TYPE, 2015 & 2020 (USD MN)

Figure 20 3D PRINTING POWDER MARKET, BY TYPE, 2015 & 2020 (MT)

Figure 21 3D PRINTING POWDER MARKET: TYPE COMPARISON, 2015 & 2020 (USD MN)

Figure 22 METAL 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2015 & 2020 (USD MN)

Figure 23 PLASTIC 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2015 & 2020 (USD MN)

Figure 24 CERAMIC 3D PRINTING POWDER MARKET, BY GEOGRAPHY, 2015 & 2020 (USD MN)

Figure 25 3D PRINTING POWDER MARKET: GROWTH ANALYSIS, BY GEOGRAPHY, 2015-2020 (USD MN)

Figure 26 3D PRINTING POWDER MARKET: GROWTH ANALYSIS, BY GEOGRAPHY, 2015-2020 (MT)

Figure 27 NORTH AMERICA 3D PRINTING POWDER MARKET OVERVIEW, 2015 & 2020 (%)

Figure 28 NORTH AMERICA 3D PRINTING POWDER MARKET, BY APPLICATION, 2015 & 2020 (USD MN)

Figure 29 NORTH AMERICA 3D PRINTING POWDER MARKET: APPLICATION SNAPSHOT

Figure 30 NORTH AMERICA 3D PRINTING POWDER MARKET, BY TYPE, 2015 & 2020 (USD MN)

Figure 31 NORTH AMERICA 3D PRINTING POWDER MARKET SHARE, BY TYPE, 2015 & 2020 (%)

Figure 32 ASIA-PACIFIC 3D PRINTING POWDER MARKET OVERVIEW, 2015 & 2020 (%)

Figure 33 ASIA-PACIFIC 3D PRINTING POWDER MARKET, BY APPLICATION, 2015 & 2020 (USD MN)

Figure 34 ASIA-PACIFIC 3D PRINTING POWDER MARKET: APPLICATION SNAPSHOT

Figure 35 ASIA-PACIFIC 3D PRINTING POWDER MARKET, BY TYPE, 2015 & 2020 (USD MN)

Figure 36 ASIA-PACIFIC 3D PRINTING POWDER MARKET SHARE, BY TYPE, 2015 & 2020 (%)

Figure 37 EUROPE 3D PRINTING POWDER MARKET OVERVIEW, 2015 & 2020 (%)

Figure 38 EUROPE 3D PRINTING POWDER MARKET, BY APPLICATION, 2015 & 2020 (USD MN)

Figure 39 EUROPE 3D PRINTING POWDER MARKET: APPLICATION SNAPSHOT

Figure 40 EUROPE 3D PRINTING POWDER MARKET, BY TYPE, 2015 & 2020 (USD MN)

Figure 41 EUROPE 3D PRINTING POWDER MARKET SHARE, BY TYPE, 2015 & 2020 (%)

Figure 42 ROW 3D PRINTING POWDER MARKET OVERVIEW, 2015 & 2020 (%)

Figure 43 ROW 3D PRINTING POWDER MARKET, BY APPLICATION, 2015 & 2020 (USD MN)

Figure 44 ROW 3D PRINTING POWDER MARKET: APPLICATION SNAPSHOT

Figure 45 ROW 3D PRINTING POWDER MARKET, BY TYPE, 2015 & 2020 (USD MN)

Figure 46 ROW 3D PRINTING POWDER MARKET SHARE, BY TYPE, 2015 & 2020 (%)

Figure 47 COMPANY PRESENCE IN 3D PRINTING POWDER MARKET, BY TYPE, 2014

Figure 48 SANDVIK AB: REVENUE MIX, 2014 (%)

Figure 49 SANDVIK AB: SANDVIK MATERIALS TECHNOLOGY SEGMENT REVENUE, 2010-2014 (USD MN)

Figure 50 CARPENTER TECHNOLOGY CORPORATION: BUSINESS REVENUE MIX, 2014 (%)

Figure 51 CARPENTER TECHNOLOGY CORPORATION: POWDER METALS SEGMENT REVENUE, 2010-2014 (USD MN)

Figure 52 ARCAM AB: REVENUE, 2010-2014 (USD MN)

Figure 53 ARKEMA: REVENUE MIX, 2014 (%)

Figure 54 ARKEMA: HIGH PERFORMANCE MATERIALS SEGMENT REVENUE, 2010-2014 (USD MN)

Figure 55 EXONE GMBH: BUSINESS REVENUE MIX, 2014 (%)

Figure 56 EXONE GMBH: REVENUE, 2010-2014 (USD MN)

Figure 57 HOGANAS AB: BUSINESS REVENUE MIX, 2012 (%)

Figure 58 HOGANAS AB: REVENUE, 2012-2014 (USD MN)

Figure 59 GKN PLC: REVENUE MIX, 2014 (%)

Figure 60 GKN PLC: POWDER METALLURGY SEGMENT REVENUE, 2010-2014 (USD MN)

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