

3D Printing Powder Market, Global Forecast, Impact of Coronavirus, Industry Trends, Growth, Opportunity By Form, Company Analysis

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Abstracts

3D printing powder is a digitally controlled device used to manufacture a three-dimensional object from the powder fed into 3D printers. 3D printing is called additive manufacturing, which involves stacking sequential layers of raw materials until the thing takes the desired form, i.e. a three-dimensional object. Fascinating pure metals such as platinum, gold, silver, and palladium are utilized to make 3D printing powder of different types. On the other hand, technologies such as laser sintering are used to create 3D prints in materials such as polyamide, aluminide, rubber, and titanium. According to the Renub Research report, 3D Printing Powder Market is expected to be a US\$ 7.8 Billion opportunity by 2027.

COVID-19 IMPACT on 3D Printing Powder Industry

The covid-19 pandemic has severely affected many industries. It has halted the production process and led to a shortage of raw materials thus, hampering the trade cycle. Due to all these factors, the 3D printing powder market is also getting affected. The industries where 3D printing powder is used, i.e. from aerospace and oil and gas, were non-operation for few months in this pandemic situation. Therefore, the demand for 3D printing powder has declined significantly in the year 2020. However, post COVID as we expect the 3D Printing Powder Industry to move northward. As per our analysis, the Global 3D Printing Powder Market was valued at US\$ 1.6 Billion in 2020.

3D Printing Powder Uses in Industry

Various industries such as aerospace, architecture, medical, defense, and automotive have significantly upped their intake of 3D-printed products. Printing powders are

extensively used courtesy of the rising demand across these productions. One of the dominant consumers of 3D printing powder is the aerospace and defence industry.

The applicability of 3D printing powders in the defence and aerospace industry is in missiles, airbuses, and engine parts. The use of 3D printing powder ensures excellent toughness and durability in the end-products while also helps in the weight-reduction of the substrate on which it is used and quick production of products based on new designs.

Regional Market for 3D Printer Powder

In our report, the global 3D printing powder market studies all major three regional markets, including North America, Europe and Asia-Pacific. The Asia Pacific market awaited to signify an assuring market opportunity and observe a rise in its share during the forecast period. Additionally, expanding the 3D printing powder market in the Asia Pacific is primarily ascribed to the economy's evolution and evolving financing in technology in the region. Further, the rising rate of urbanization in the area would also boost the revenue for the 3D printing powder demand in the region. According to Renub Research, the global demand for 3D Printing Powders Industry will grow with a staggering CAGR of 25.40% from 2020 to 2027.

Factors Driving the 3D Printer Powder Market

The rise in investments by technologically advanced start-ups and government agencies anticipate bolstering the market growth globally during the forecast period. Besides, augmented technological advancements in the 3D printing market are also likely to enhance the 3D printing powder market. Moreover, the decline in development costs will also lead to a rise in the availability of powder-based 3D printing to other industries. In addition, they expect growth in other applications such as consumer durable goods printing, accessories, and ornamentation.

The players operating in the global 3D printing powder market are Sandvik AB, Carpenter Technology Corporation, 3D Systems Corporation, Renishaw PLC and Voxeljet AG. Thus with the above studies, we can conclude that with the extensive growth of the 3D printed commodities business, the market for 3D printed products has also enlarged.

Renub Research latest report “3D Printing Powder Market Global Forecast by Form

(Plastics, Metal, Ceramic, Other), Application (Automotive, Aerospace & Defense, Medical, Architecture/Construction, Others), Product (Titanium, Nickel, Steel, Aluminium, Others), Region (North America, Europe, Asia Pacific, Rest of the World), Company (Sandvik AB, Carpenter Technology Corporation, 3D Systems Corporation, Renishaw PLC, Voxeljet AG)" provides a detailed analysis of 3D Printing Powder Market.

Form - 3D printing powder market have been covered 4 viewpoints:

1. Plastics
2. Metal
3. Ceramic
4. Other

Application - 3D printing powder market have been covered from 5 viewpoints:

1. Automotive
2. Aerospace & Defense
3. Medical
4. Architecture/Construction
5. Others

Product - 3D printing powder market have been covered from 5 viewpoints:

1. Titanium
2. Nickel
3. Steel
4. Aluminium
5. Others

Region - 3D printing powder market have been covered from 4 viewpoints:

1. North America
2. Europe
3. Asia Pacific
4. Rest of the World

All companies have been covered from 3 viewpoints

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