3D Printing Materials Market by Type Plastics (PLA, ABS, PVA), Metals (Titanium, Steel, Silver), Ceramics]; By Form (Filament, Powder, Liquid); Application (Aerospace, Automotive, Industrial, Healthcare) - (2013 - 2020)

Description: 3D printing or additive manufacturing (AM) is used to convert a 3D model available with us into a three dimensional object through additive processes in which successive layers of material are laid down under artificial intelligence and the material used for this purpose is called 3D printing material. 3D Printers can use a wide range of materials, including plastics, resins, metals, ceramics and more. The most popular material is plastic, and most of the home / desktop style printers print objects using plastic, however some of the higher-end printers are capable of printing using many different materials. Currently printers support up to 107 materials.

Currently, plastics are the most widely used materials in additive manufacturing, and the important ones are ABS (acrylonitrile butadiene styrene), PLA (polylactic acid), PVA, PC, and SOFT PLA. With the invention of home 3D printers that uses plastic filaments to 3D print any object, the demand for these materials has grown aggressively and is expected to continue in the next five years. Metals are the strongest materials available in the market, but are extremely expensive. Metals include steel, titanium, aluminum, copper, silver, gold, nickel, cobalt, etc. Metal 3D printing is a costly method as the metal printers use laser methods to manufacture any objects. Hence, metal materials are limited to high-end applications. Ceramics and Others are affordable materials that will garner a high demand in future. A range of other manufacturing materials can be used for 3D printing that includes nylon, glass-filled polyamide, epoxy resins, wax, and photopolymers.

The report analyzes the 3D printing materials market in various applications and covers the market demand with respective regions. The report also provides a market overview for the 3D printing material market. 3D printing material market is analyzed using various parameters such as

Types: Plastics, Metals, Ceramics and others
Forms: Filament, Powder, Liquid and others
Application: Automotive, Defense, Dental, Industrial and others
Geography: America, Asia, Europe and ROW

This report also includes the major company profiles of companies such as:
Stratasys Ltd. (U.S.),
i.Materialise NV (Belgium),
Arcam AB (Sweden) and others.

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