

Industrial 3D Printing Market Size, Share, and Analysis, By Offering (Printers, Materials, Software, Services), By Process (Binder Jetting, Powder Bed Fusion, Direct Energy Deposition, Material Extrusion, Vat Photopolymerization, Material Jetting, and Sheet Lamination), By Technology (Stereolithography (SLA), Selective laser sintering (SLS), Electron beam melting (EBM), Fused deposition modeling (FDM), Laminated object manufacturing (LOM), and Others), By Industry (Manufacturing, Aerospace and Defense, and Others), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

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Abstracts

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PRODUCT OVERVIEW

Industrial 3D Printing Market Size, Share, and Analysis, By Offering (Printers, Materials, Software, Services)...

Industrial 3D Printing Market is anticipated to exhibit a Compound Annual Growth Rate (CAGR) of 21.3% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 9.4 billion and is projected to reach USD 79.2 billion by the completion of 2034.

Industrial 3D printing, also known as additive manufacturing, is an advanced production method that constructs three-dimensional objects layer by layer using digital models. Traditional subtractive manufacturing involves material removal, whereas 3D printing deliberately adds material to create elaborate complex designs. This technology is often used in industrial settings to generate working prototypes, end-use parts, and components for various industries such as aerospace, automotive, healthcare, and engineering. Additionally, industrial 3D printing is well-known for its ability to provide rapid and cost-effective production while accommodating complicated geometries, playing an important role in modern manufacturing. Consequently, industrial 3D printing is flexible in dealing with various materials, including plastics, metals, ceramics, and composites, which contributes to its significant impact on innovation, efficiency, and customization across industries.

MARKET HIGHLIGHTS

Industrial 3D Printing Market is projected to reach USD 79.2 billion over the forecast period, due to its transformative influence on manufacturing across various sectors. The demand for customized and complex components has pushed the adoption of industrial 3D printing for rapid prototyping and production. Materials, such as metals, polymers, ceramics, and composites, have numerous applications, which is a primary factor encouraging this growth. Moreover, industries such as aerospace and healthcare, benefit from 3D printing to create lightweight, long-lasting components and personalized medical implants. Furthermore, technological innovations and a shift toward large-scale manufacturing play a significant role in defining the industrial 3D printing market. Therefore, as companies acknowledge cost savings, low waste, and creative freedom provided by industrial 3D printing, the market will witness a long-term growth, which will support innovation and challenge traditional production methods.

Industrial 3D Printing Market Segments:

By Offering

Printers

Materials

Software

Services

By Process

Binder Jetting

Powder Bed Fusion

Direct Energy Deposition

Material Extrusion

Vat Photopolymerization

Material Jetting

Sheet Lamination

By Technology

Stereolithography (SLA)

Selective laser sintering (SLS)

Electron beam melting (EBM)

Fused deposition modeling (FDM)

Laminated object manufacturing (LOM)

Others

By Industry

Manufacturing

Aerospace and Defense

Others

MARKET DYNAMICS

Growth Drivers

Innovation and Technological Progress Create Growth Opportunities

Increasing Adoption in the Aerospace and Healthcare Industries will Lead to Market Expansion

Restraint

Industry Growth is Hindered by High Equipment Costs and Initial Investments

Key Players

Stratasys Ltd.

3D Systems Corporation

ExOne

Materialise NV

EOS GmbH

Voxeljet AG

SLM Solutions Group AG

HP Inc.

General Electric Company

EnvisionTEC

Renishaw plc

Desktop Metal

Protolabs

Arcam AB

Carbon, Inc.

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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