

3D Imaging Market Size, Share, and Analysis, By Component (Software and Hardware), By Technology (3-D Modeling, 3D Scanning, and 3D Rendering), By End User (Healthcare, Manufacturing & Engineering, Defense & Security, Construction Companies, and Entertainment Studios), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034

<https://marketpublishers.com/r/3F3794BF9128EN.html>

Date: November 2024

Pages: 637

Price: US\$ 5,250.00 (Single User License)

ID: 3F3794BF9128EN

Abstracts

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PRODUCT OVERVIEW

3D Imaging Market is projected to exhibit a Compound Annual Growth Rate (CAGR) of 21.7% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 31.9 billion and is projected to reach USD 276.2 billion by the completion of 2034.

3D imaging is a process of taking measurements of the dimensions of an object to generate a detailed model. The dimensions of the object are determined by using 3D scanning technologies such as laser scanning and photogrammetry, which collect measurements from various perspectives. Once the scanning and measurements are

completed, software assistance is used to merge all the gathered data to produce a 3D model. Thus, to achieve 3D imaging, advanced processors and graphics processing units are needed to manage the large data and handle imaging data processing. Furthermore, 3D imaging technology, such as MRI and CT scans, is used in medical imaging to create three-dimensional images of the internal structures of the body.

MARKET HIGHLIGHTS

During the forecast period, the 3D imaging market is expected to see significant growth, with projections reaching USD 276.2 billion. This increase is a result of the high adoption of 3D imaging technology in different sectors. The growing need for 3D imaging in the manufacturing and prototyping industry is significant as this technology makes it easier to create and test prototypes, thus allowing manufacturers to simplify the process of design improvement. Moreover, the growth in industrialization has resulted in a higher demand for information modeling of buildings and site analysis in the construction and architecture industries. As a result, there has been an increasing need for 3D imaging technology in the market.

3D Imaging Market Segments:

By Component

Hardware

Software

By Technology

3D Modeling

3D Scanning

3D Rendering

By End User

Healthcare

Manufacturing and Engineering

Defense and Security

Construction Companies

Entertainment Studios

MARKET DYNAMICS

Growth Drivers

Developments in Manufacturing and Engineering are Critical to Boost the Adoption of 3D Imaging

Increasing Demand for Entertainment and Media Will Aid the Market

Restraint

High Initial Cost Can Limit the Growth of the 3D Imaging Market

Key Players

Autodesk

Siemens AG

Nikon Corporation

Dassault Syst?mes

Faro Technologies

Cognex Corporation

Koninklijke Philips N.V. (Philips)

Ansys, Inc.

Artec 3D

Keyence Corporation

Materialise NV

Sony Corporation

General Electric

Trimble Inc.

Google

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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