

3D Scanning Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global 3D scanning market reached a value of US\$ 5.65 Billion in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 9.66 Billion by 2027, exhibiting a CAGR of 8.70% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

3D scanning aids in digitally recreating information about physical components in a simulated world with accurate dimensions by gathering raw data as point cloud information and converting them into computer-aided design (CAD). It enables the complete product form to be checked with the initial CAD template and finds immediate variations with the data shown on a color map with a 3D variance. As a result, it is employed in the automotive, aerospace, and manufacturing industries worldwide. 3D scanning is also utilized by design engineers and technologists to accelerate decision-making in product creation or preparation of plant construction and operations.

3D Scanning Market Trends:

Rising advancements in 3D scanning technology represent one of the key factors impelling the growth of the market. Moreover, medical practitioners conventionally measure body shape and size by hand or devices to diagnose health status and decide treatment. However, 3D scanning technology helps capture 3D measurements without physical contact and consequently finds extensive applications in the healthcare industry. It helps produce medical devices, such as custom-made prosthetics, precise surgical blades, braces, implants, and wheelchairs. This technology is compatible with computed tomography (CT) and magnetic resonance imaging (MRI), which can be used to enhance patient treatment. Apart from this, 3D scanning technology is utilized in the education sector as it encourages interaction and allows students to experiment with

modeling core disciplinary topics from the life sciences, including topography, body processes, and molecules. In addition, 3D scanners measure the finest detail of an object, capture free-form, and create precise cloud points for complex geometry and circular surface objects. This, coupled with the burgeoning media and entertainment industry, is strengthening the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global 3D scanning market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type, range, application and end use industry.

Breakup by Type:

- Hardware
 - Optical Scanners
 - Structured Light Scanners
 - Laser Scanners
 - Others
- Software

Breakup by Range:

- Short Range
- Medium Range
- Long Range

Breakup by Application:

- Reverse Engineering
- Rapid Prototyping
- Quality Control/Inspection
- Face and Body Scanning
- Others

Breakup by End Use Industry:

- Aerospace and Defense
- Automotive
- Healthcare

Manufacturing
Media and Entertainment
Architecture and Construction
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3D Systems Inc., Artec 3D, Autodesk Inc., Creaform Inc. (AMETEK Inc.), CyberOptics Corporation, Faro Technologies Inc., Hexagon AB, Jenoptik AG, Nikon Corporation, Topcon Corporation, Trimble Inc and ZEISS Group.

Key Questions Answered in This Report:

How has the global 3D scanning market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global 3D scanning market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the range?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global 3D scanning market and who are the key players?

What is the degree of competition in the industry?

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