

3D Scanner Market (By Type- Short Range 3D Scanner, Laser Based 3D Scanner, Projected or Structured Light 3D Scanner, Medium and Long Range 3D Scanner. By Application- Virtual Simulation, Reverse Engineering, Quality Control and Inspection, and others. By Product – Portable CMM Based, Desktop, Tripod Mounted, Fixed CMM Based. By End User – Aerospace & Defense, Automotive, Tunnel & mining, Healthcare, Architecture & Construction, and Energy & Power.) – Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2016 – 2025

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Abstracts

A 3D scanner or a three-dimensional scanner is a device which examines a real world object to gather data on its appearance and shape which is further used to create digital 3D models. A three dimensional scanner is used to construct 3D animation and special effects. 3D scanners are like intense cameras but instead of generating videos or photographs, 3D scanners create 3D rendering which means automatically transforming 3D wire frame models into 2D images. 3D scanners are mainly used in large industries as they serve variety of purposes like creating product parts by manufacturers. 3D scanners use X-ray or laser light to measure the tangible objects. Three dimensional scanner or 3D scanner can be also named as white light scanner, industrial CT, 3D digitizers, laser scanners and others. The application of 3D scanning technology assist in saving time, and material and is mainly used in manufacturing cycles. Production cost is low due to improved fitting parts and enhanced product quality by use of three dimensional scanning technologies. Rapid growth of manufacturing sectors in various

regions is expected to fuel the growth of 3D scanner market during the projection period of 2017-2025.

3D scanner offer wide range of benefits in the industrial sector. These benefits may include save of time, money and material. Along with this, technological development and advancement of 3D scanner is assumed to drive the market growth for three dimensional scanners. Additionally, rise in application of body or face scanner in places like healthcare centres is also augmenting the growth of 3D scanner market. Among the various types of 3D scanners laser based 3D scanners use process named trigonometric triangulation which offers benefits such as ability to scan tough surfaces like dark or shiny surface finishes. Laser based 3D scanners are simpler in design and are easy to use. Projected 3D scanner provides benefits such as very fast scan times, portable, large scanning area, very high accuracy and others. Hence, these factors are expected to boost the growth of entire 3D scanner market over the forecast period.

Major applications of 3D scanner market covered in report are virtual simulation, reverse engineering, quality control and inspection and others. The 3D scanner market in report is segmented by type which includes short range 3D scanner; laser based 3D scanner, projected light 3D scanner and medium and long range 3D scanner. 3D scanner market report is also segmented by product which is sub segmented as portable CMM based, desktop, and tripod mounted, and fixed CMM based. Moreover on the basis of end user the 3D scanner market can be segmented into aerospace & defense, automotive, tunnel & mining, healthcare, architecture and construction and energy and power. The global 3D scanner market has been moreover segmented geographically into North America, Europe, Asia-Pacific, Middle East and Africa and Latin America.

3D scanner is a new kind of technology and is expected to grow at a high rate with the increase in manufacturing sector across the globe. Three dimensional scanners will be one of the major trends to gain traction in this market in the upcoming years. 3D scanners are widely used in manufacturing industry for time saving design job and also assurance of manufacturing parts. In developing countries, the rapid increasing demand by manufacturing verticals for 3D scanner is augmenting the demand of three dimensional scanners.

Some of the major players in the 3D scanner market are Nikon Metrology, Topcon Corporation, Carl Zeiss Optotechnik, Perceptron, Artec 3D, 3D Digital Corp.

Global 3D scanner Market: By Type

3D Scanner Market (By Type- Short Range 3D Scanner, Laser Based 3D Scanner, Projected or Structured Light 3D S...

Short Range 3D Scanner

Laser Based 3D Scanner

Projected or Structured Light 3D Scanner

Medium and Long Range 3D Scanner

Global 3D Scanner Market: By Application

Virtual Simulation

Reverse Engineering

Quality Control and Inspection

Others

Global 3D Scanner Market: By Product

Portable CMM Based

Desktop

Tripod Mounted

Fixed CMM Based

Global 3D Scanner Market: By End User

Aerospace & Defense

Automotive

Tunnel & Mining

Healthcare

Architecture & Construction

Energy & Power

Global 3D Scanner Market: By Geography

North America

U.S.

Canada

Mexico

Europe

U.K.

France

Germany

Rest of Europe

Asia Pacific

India

China

Japan

Australia

Rest of Asia Pacific

Middle East and Africa

South Africa

Rest of Middle East and Africa

Latin America

Brazil

Rest of Latin America

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