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3D Metrology Market Report: Trends, Forecast and Competitive Analysis to 2030

https://marketpublishers.com/r/3342F19829AEEN.html
Date: January 2024
Pages: 150
Price: US$ 4,850.00 (Single User License)
ID: 3342F19829AEEN

Abstracts

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3D Metrology Trends and Forecast

The future of the global 3D metrology market looks promising with opportunities in the aerospace & defense, automotive, architecture & construction, medical, semiconductors & electronics, energy & power, heavy machinery, and mining markets. The global 3D metrology market is expected to grow with a CAGR of 8.0% from 2024 to 2030. The major drivers for this market are expansion of the global automobile industry and emphasis on quality assurance during the production process, increase in the need for increased productivity among businesses that manufacture electronics, as well as, increased interest in industry 4.0 and notable expansion in the aviation sector.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

3D Metrology by Segment

The study includes a forecast for the global 3D metrology by product type, offerings, application, end use, and region.

3D Metrology Market by Product Type [Shipment Analysis by Value from 2018 to 2030]:

Coordinate Measuring Machine (CMM)

ODS

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VMM

3D Automated Optical Inspection System

Form Measurement

3D Metrology Market by Offerings [Shipment Analysis by Value from 2018 to 2030]:

Hardware

Software

Services

3D Metrology Market by Application [Shipment Analysis by Value from 2018 to 2030]:

Quality Control & Inspection

Reverse Engineering

Virtual Simulation

Others

3D Metrology Market by End Use [Shipment Analysis by Value from 2018 to 2030]:

Aerospace & Defense

Automotive

Architecture & Construction

Medical

Semiconductors & Electronics

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Energy & Power

Heavy Machinery

Mining

Others

3D Metrology Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of 3D Metrology Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies 3D metrology companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the 3D metrology companies profiled in this report include-

Hexagon

FARO Technologies

Nikon

ZEISS

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KLA

KEYENCE

Jenoptik

Renishaw

Mitutoyo

Creaform

3D Metrology Market Insights

Lucintel forecasts that hardware is expected to witness highest growth over the forecast period because it is being consistently incorporated into industries including heavy machinery, electronics, building, aerospace, defense, and medicine in order to maintain the product's quality.

APAC is expected to witness highest growth over the forecast period due to growing popularity of high-speed internet gadgets and the prominence of developing industrial powers like China, Japan, and India.

Features of the Global 3D Metrology Market

Market Size Estimates: 3D metrology market size estimation in terms of value ($B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: 3D metrology market size by product type, offerings, application, end use, and region in terms of value ($B).

Regional Analysis: 3D metrology market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different product type, offerings, application, end use, and regions for the 3D metrology market.

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Strategic Analysis: This includes M&A, new product development, and competitive landscape of the 3D metrology market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the growth forecast for 3D metrology market?

Answer: The global 3D metrology market is expected to grow with a CAGR of 8.0% from 2024 to 2030.

Q2. What are the major drivers influencing the growth of the 3D metrology market?

Answer: The major drivers for this market are expansion of the global automobile industry and emphasis on quality assurance during the production process, increase in the need for increased productivity among businesses that manufacture electronics, as well as, increased interest in industry 4.0 and notable expansion in the aviation sector.

Q3. What are the major segments for 3D metrology market?

Answer: The future of the global 3D metrology market looks promising with opportunities in the aerospace & defense, automotive, architecture & construction, medical, semiconductors & electronics, energy & power, heavy machinery, and mining markets.

Q4. Who are the key 3D metrology market companies?

Answer: Some of the key 3D metrology companies are as follows:

Hexagon

FARO Technologies

Nikon

ZEISS

KLA

KEYENCE

Jenoptik

Renishaw

Mitutoyo

Creaform

Q5. Which 3D metrology market segment will be the largest in future?

Answer: Lucintel forecasts that hardware is expected to witness highest growth over the forecast period because it is being consistently incorporated into industries including heavy machinery, electronics, building, aerospace, defense, and medicine in order to maintain the product's quality.

Q6. In 3D metrology market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness highest growth over the forecast period due to growing popularity of high-speed internet gadgets and the prominence of developing industrial powers like China, Japan, and India.

Q7. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the 3D metrology market by product type (coordinate measuring machine (CMM), ODS, VMM, 3D automated optical inspection system, and form measurement), offerings (hardware, software, and services), application (quality control & inspection, reverse engineering, virtual simulation, and others), end use (aerospace & defense, automotive, architecture & construction, medical, semiconductors & electronics, energy & power, heavy machinery, mining, and others), and region (North America, Europe, Asia Pacific, and

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the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to 3D Metrology Market, 3D Metrology Market Size, 3D Metrology Market Growth, 3D Metrology Market Analysis, 3D Metrology Market Report, 3D Metrology Market Share, 3D Metrology Market Trends, 3D Metrology Market Forecast, 3D Metrology Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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