

Global Non-contact 3D Measurement Technologies Supply, Demand and Key Producers, 2024-2030

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Abstracts

The global Non-contact 3D Measurement Technologies market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

The development of non-contact 3D measurement technologies has seen significant progress, driven by advancements in sensors, imaging, and computational methods. These technologies enable the precise and efficient measurement of objects without physical contact, offering advantages in various industries. Techniques such as laser scanning, structured light, and photogrammetry use sensors to capture data points, creating detailed 3D models. LiDAR (Light Detection and Ranging) systems utilize laser beams for accurate distance measurements. Emerging technologies, including time-of-flight cameras and depth-sensing technologies, further enhance non-contact 3D measurement capabilities. Applications span manufacturing, quality control, robotics, medical imaging, archaeology, and virtual reality, offering versatile solutions for capturing spatial information with high accuracy and speed.

Non-contact 3D measurement technologies refer to methods and devices that capture three-dimensional information from objects without physical contact. These technologies employ various sensing techniques, such as laser scanning, structured light, or photogrammetry, to collect precise spatial data points on the surface of an object. By analyzing the collected data, a detailed and accurate 3D representation of the object can be generated. Non-contact 3D measurement is widely used in industries like manufacturing, quality control, reverse engineering, and metrology, where high precision and efficiency are essential. This approach is particularly valuable for measuring complex and delicate objects, as it eliminates the need for physical probes or direct contact, ensuring non-destructive and efficient measurement processes.

This report studies the global Non-contact 3D Measurement Technologies production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Non-contact 3D Measurement Technologies, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Non-contact 3D Measurement Technologies that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Non-contact 3D Measurement Technologies total production and demand, 2019-2030, (K Units)

Global Non-contact 3D Measurement Technologies total production value, 2019-2030, (USD Million)

Global Non-contact 3D Measurement Technologies production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Non-contact 3D Measurement Technologies consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Non-contact 3D Measurement Technologies domestic production, consumption, key domestic manufacturers and share

Global Non-contact 3D Measurement Technologies production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Non-contact 3D Measurement Technologies production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Non-contact 3D Measurement Technologies production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Non-contact 3D Measurement Technologies market based on the following parameters – company overview,

production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hexagon, FARO Technologies, ZEISS, Keyence, Creaform, Nikon Metrology, LMI Technologies, Perceptron and Cognex, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Non-contact 3D Measurement Technologies market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Non-contact 3D Measurement Technologies Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Non-contact 3D Measurement Technologies Market, Segmentation by Type

3D Laser Scanners

Structured Light Scanners

Photogrammetry Solutions

Optical CMM Scanners

Global Non-contact 3D Measurement Technologies Market, Segmentation by Application

Industrial

Medical

Aerospace

Others

Companies Profiled:

Hexagon

FARO Technologies

ZEISS

Keyence

Creaform

Nikon Metrology

LMI Technologies

Perceptron

Cognex

Exact Metrology

Shining 3D

Alicona Imaging

Key Questions Answered

1. How big is the global Non-contact 3D Measurement Technologies market?
2. What is the demand of the global Non-contact 3D Measurement Technologies market?
3. What is the year over year growth of the global Non-contact 3D Measurement Technologies market?
4. What is the production and production value of the global Non-contact 3D Measurement Technologies market?
5. Who are the key producers in the global Non-contact 3D Measurement Technologies market?

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