



# Global 3D Metrology Software Market To grow at a CAGR of 7% by 2022 According to New Research

*Global 3D Metrology Software Market Key Industry Growth, Revenue and forecasts 2022*

PUNE, INDIA, April 19, 2018 /EINPresswire.com/ -- This report studies the global [3D Metrology Software market](#), analyzes and researches the 3D Metrology Software development status and forecast in United States, EU, Japan, China, India and Southeast Asia. This report focuses on the top players in global market, like

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This report categorizes the 3D metering market based on offerings, products, applications, end user industry and geography. Based on the offerings, the market has been further divided into hardware, software and services. The larger hardware market is due to the increased adoption of 3D instrumentation in industries such as aerospace and defense, automotive, construction and construction, medical, electronics, energy, and heavy equipment to maintain power and product quality.

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Based on the product, the 3D metrology market is divided into a coordinate measuring instrument, an optical digitizer and scanner, a video measuring instrument and a 3D automatic optical inspection system. ODS ranked first in market share in 2017. Laser trackers, 3D laser scanners and white light scanners are the most commonly used ODS 3D metrology systems. The market leading ODS is faster measurement, portability and lower cost than CMM. The 3D AOI system is expected to grow at

the highest CAGR between 2017 and 2023. 3D AOI inspection technology is an effective tool for volume and coplanar inspection. It also provides detailed information on critical dimension information for lead tips, BGAs, chip components, reflowed solder fillets, and all height-sensitive components. The application-based 3D measurement market is divided into quality control and inspection, reverse engineering, and virtual simulation. The quality control and inspection applications accounted for the largest market share in 2016, due to its widespread use in the automotive and aerospace and defense industries. However, the market for reverse engineering is expected to grow at the fastest rate between 2017 and 2023. Industries such as automotive, aerospace, and defense and manufacturing use 3D metrology to change the design of real objects to produce customized automotive and spare parts. High-precision, rapid product analysis and the ability to change the original product are key drivers in the reverse engineering market.

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The 3D measurement market for the building and construction industry is expected to grow at a high rate between 2018 and 2023. The construction and construction industry needs effective planning and 3D documentation at every stage from initial design to final inspection to avoid redesign errors. Building and construction industry markets are expanding by integrating software such as computer-aided design (CAD) and 3D scanning technology to aid building information modeling (BIM) processes, minimizing architectural design time and overall costs.

Americas and Europe have taken the lead in improving the quality and efficiency of their products in various industries by adopting advanced 3D scanning technology, so they have the potential of a 3D metrology market for high-end applications. The Americas accounted for the largest portion of the 3D metrology market in 2017, but the APAC market is expected to grow at the highest rate between 2017 and 2023. APAC's main countries are Japan, China, India and Korea. Some of APAC's major manufacturers are Nikon Corporation (Japan), ADVANTEST Corporation (Japan) and Mitutoyo Corporation (Japan). APAC includes Australia, New Zealand, Taiwan, Singapore, Indonesia and the Philippines.

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