

Global Quality Inspection and Metrology Software Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Quality Inspection and Metrology Software market size is predicted to grow from US\$ 1728 million in 2025 to US\$ 3391 million in 2032; it is expected to grow at a CAGR of 10.2% from 2026 to 2032.

Quality Inspection and Metrology Software refers to specialized digital systems used to measure, analyze, and ensure the dimensional accuracy, geometric conformity, and overall quality of manufactured parts and products. These software solutions integrate data from coordinate measuring machines (CMM), 3D scanners, vision systems, and other metrology equipment to compare real-world measurements against CAD models or predefined tolerances. The price of quality inspection and metrology software typically ranges from USD 5,000 to 20,000 per entry-level license for basic inspection modules, USD 20,000 to 100,000 for mid-range industrial systems with advanced 3D metrology and automation features, and can exceed USD 100,000 to 500,000+ for enterprise-grade integrated platforms deployed across factories with full CMM, AI-based inspection, and cloud analytics capabilities, with most industrial users paying significantly higher total costs due to customization, integration, and annual maintenance fees.

United States market for Quality Inspection and Metrology Software is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Quality Inspection and Metrology Software is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Quality Inspection and Metrology Software is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Quality Inspection and Metrology Software players cover Hexagon AB, Carl Zeiss AG, FARO Technologies, Inc., 3D Systems, Inc., AMETEK, Inc., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the 'Quality Inspection and Metrology Software Industry Forecast' looks at past sales and reviews total world Quality Inspection and Metrology Software sales in 2025, providing a comprehensive analysis by region and market sector of projected Quality Inspection and Metrology Software sales for 2026 through 2032. With Quality Inspection and Metrology Software sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Quality Inspection and Metrology Software industry.

This Insight Report provides a comprehensive analysis of the global Quality Inspection and Metrology Software landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Quality Inspection and Metrology Software portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Quality Inspection and Metrology Software market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Quality Inspection and Metrology Software and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Quality Inspection and Metrology Software.

This report presents a comprehensive overview, market shares, and growth opportunities of Quality Inspection and Metrology Software market by product type, application, key players and key regions and countries.

Segmentation by Type:

2D Inspection Software

3D Metrology Software

Coordinate Measuring Machine (CMM) Software

Vision Inspection Software

Statistical Process Control (SPC) Software

CAD-Based Inspection & Comparison Software

AI-Based Automated Quality Inspection Software

Segmentation by Deployment Mode:

On-Premise Software

Cloud-Based Software

Hybrid Deployment Solutions

Segmentation by Level of Automation (Parameter):

Manual Inspection Software

Semi-Automated Inspection Systems

Fully Automated AI Inspection Platforms

Enterprise Integrated Quality Management Systems

Segmentation by Application:

Automotive Industry

Aerospace & Defense

Electronics & Semiconductor

Industrial Manufacturing

Medical Devices

Energy & Power

Heavy Machinery

Precision Engineering

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Hexagon AB

Carl Zeiss AG

FARO Technologies, Inc.

3D Systems, Inc.

AMETEK, Inc.

Autodesk, Inc.

Nikon Metrology

Renishaw plc

Siemens Digital Industries Software

PTC Inc.

Dassault Syst?mes

InnovMetric Software Inc.

Metrologic Group

Siasun Robot & Automation Co., Ltd.

Hexagon Manufacturing Intelligence China Co., Ltd.

Carl Zeiss (Shanghai) Management Co., Ltd.

Shanghai Baosight Software Co., Ltd.

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