

Global Quality Inspection and Metrology Software Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G7847FB8E8B9EN.html>

Date: June 2026

Pages: 146

Price: US\$ 4,480.00 (Single User License)

ID: G7847FB8E8B9EN

Abstracts

The global Quality Inspection and Metrology Software market size is expected to reach \$ 3453 million by 2032, rising at a market growth of 9.6% CAGR during the forecast period (2026-2032).

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.

This report studies the global Quality Inspection and Metrology Software demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Quality Inspection and Metrology Software, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Quality Inspection and Metrology Software that contribute to its increasing demand across

many markets.

Highlights and key features of the study

Global Quality Inspection and Metrology Software total market, 2021-2032, (USD Million)

Global Quality Inspection and Metrology Software total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Quality Inspection and Metrology Software total market, key domestic companies, and share, (USD Million)

Global Quality Inspection and Metrology Software revenue by player, revenue and market share 2021-2026, (USD Million)

Global Quality Inspection and Metrology Software total market by Type, CAGR, 2021-2032, (USD Million)

Global Quality Inspection and Metrology Software total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Quality Inspection and Metrology Software market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include 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., 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 Quality Inspection and Metrology Software market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Quality Inspection and Metrology Software Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Quality Inspection and Metrology Software Market, 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

Global Quality Inspection and Metrology Software Market, Segmentation by Deployment Mode:

On-Premise Software

Cloud-Based Software

Hybrid Deployment Solutions

Global Quality Inspection and Metrology Software Market, Segmentation by Level of Automation (Parameter):

Manual Inspection Software

Semi-Automated Inspection Systems

Fully Automated AI Inspection Platforms

Enterprise Integrated Quality Management Systems

Global Quality Inspection and Metrology Software Market, Segmentation by Application:

Automotive Industry

Aerospace & Defense

Electronics & Semiconductor

Industrial Manufacturing

Medical Devices

Energy & Power

Heavy Machinery

Precision Engineering

Companies Profiled:

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 Systèmes

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.

Key Questions Answered

1. How big is the global Quality Inspection and Metrology Software market?
2. What is the demand of the global Quality Inspection and Metrology Software market?
3. What is the year over year growth of the global Quality Inspection and Metrology Software market?
4. What is the total value of the global Quality Inspection and Metrology Software

market?

5. Who are the Major Players in the global Quality Inspection and Metrology Software market?

6. What are the growth factors driving the market demand?

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