

# Global Quality Inspection and Metrology Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Quality Inspection and Metrology Software market size was valued at US\$ 1817 million in 2025 and is forecast to a readjusted size of US\$ 3453 million by 2032 with a CAGR of 9.6% during review period.

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 is a detailed and comprehensive analysis for global Quality Inspection and Metrology Software market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share

estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Quality Inspection and Metrology Software market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Quality Inspection and Metrology Software market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Quality Inspection and Metrology Software market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Quality Inspection and Metrology Software market shares of main players, in revenue (\$ Million), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Quality Inspection and Metrology Software

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key 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.

#### Market segmentation

Quality Inspection and Metrology Software market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment 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

#### Market segment by Deployment Mode

On-Premise Software

Cloud-Based Software

Hybrid Deployment Solutions

#### Market segment by Level of Automation (Parameter)

Manual Inspection Software

Semi-Automated Inspection Systems

Fully Automated AI Inspection Platforms

## Enterprise Integrated Quality Management Systems

### Market segment by Application

Automotive Industry

Aerospace & Defense

Electronics & Semiconductor

Industrial Manufacturing

Medical Devices

Energy & Power

Heavy Machinery

Precision Engineering

### Market segment by players, this report covers

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.

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Quality Inspection and Metrology Software product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Quality Inspection and Metrology Software, with

revenue, gross margin, and global market share of Quality Inspection and Metrology Software from 2021 to 2026.

Chapter 3, the Quality Inspection and Metrology Software competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Quality Inspection and Metrology Software market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Quality Inspection and Metrology Software.

Chapter 13, to describe Quality Inspection and Metrology Software research findings and conclusion.

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