

Metrology Services Market Size, Share & Trends Analysis Report By Product (CMM & ODS), By Application (Automotive, Aerospace, Industrial), By Region, And Segment Forecasts, 2019 - 2025

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Abstracts

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The global metrology services market size is expected to reach USD 939.3 million by 2025, at a CAGR of 5.9% over the forecast period, according to a study conducted by Grand View Research, Inc. Increasing adherence to international quality standards in end-use industries and the need for the development of technologically advanced metrology software packages are expected to drive the growth. Moreover, steady growth in the local markets and surge in the aerospace and defense industries across emerging economies, such as China, India, Japan, Russia, Brazil, and South Korea is also anticipated to fuel the demand for metrology services.

Coordinate Measuring Machine (CMM) product provides precise measurement of the object for testing, assembling, design, profiling, and reverse engineering of parts. Therefore, increasing demand for services such as calibration, machine installation, and retrofitting offered by CMM is expected to drive the growth. Increasing demand for metrology services from different applications such as manufacturing, automotive, and power generation among others is projected to continue driving the market growth over the forecast period.

Metrology services play a vital role across different industrial applications ranging from mining and heavy industrial production, fabrication, refineries, and material analysis. These services are primarily used for crack and failure analysis, grain sizing, cast iron modulatory and flake analysis, and surface analysis application. Different laser

scanners are used in this industrial metrology services for precision measurement of a customized component, 3D CAD for inspection of molds and assemblies, laser tracker and large volume scanning for high accuracy, and better quality product output.

Asia Pacific is expected to be the prominent region over the forecast period. China led the region in 2018 as it is among the leading producers of iron, steel, chemical, consumer product, food processing, and transportation equipment manufacturing among others. On the other hand, U.S. led the North America metrology services market in 2018 owing to its extensive application across energy and power generation industry for raw casting, forging inspection, die and mold design and to inspect, repair or modify power generation turbine components. These technological advancements are expected to fuel the regional demand in near future.

Further key findings from the study suggest:

North America ODS segment is expected to reach USD 183.6 million, at a CAGR of 5.7% by 2025. These services are explicitly used for reverse engineering operations in the manufacturing sector

In Germany, the CMM segment is expected to reach USD 45.9 million by 2025, owing to increasing demand for services such as calibration, machine installation, and retrofitting, across various manufacturing industries

The Asia Pacific automotive metrological services market is expected to reach USD 67.6 million by 2025, attributed to the increasing number of automotive component manufacturing facilities in the region

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Information Procurement
- 1.2 Purchased Database
 - 1.2.1 GVR's internal database
- 1.3 Research Methodology
- 1.4 Geographic Scope & Assumptions
- 1.5 Region/Country Wise Market Calculation
 - 1.5.1 Region /country wise market: Base estimates
 - 1.5.2 Region/country market: CAGR calculation
- 1.6 Region-based Segment Share Calculation
- 1.7 List of Primary Sources
- 1.8 List of Secondary Sources
- 1.9 List of Abbreviations

CHAPTER 2 EXECUTIVE SUMMARY

CHAPTER 3 MARKET DEFINITIONS

- 3.1 Market Segmentation

CHAPTER 4 INDUSTRY OUTLOOK

- 4.1 Market Snapshot
- 4.2 Global Metrology Services Market Trends
- 4.3 Global Metrology Services Market
 - 4.3.1 Product segment trends
 - 4.3.2 Application segment trends
 - 4.3.3 Sales Channel segment trends
 - 4.3.4 Region segment trends
- 4.4 Value Chain Analysis
 - 4.4.1 Who Supplies Whom, 2018
- 4.5 Market Variable Analysis
 - 4.5.1 Market driver analysis
 - 4.5.1.1 Rising safety and security concerns
 - 4.5.1.2 Increasing adoption of connected car systems
 - 4.5.1.3 Growing demand for luxury, hybrid, and electric vehicles

- 4.5.2 Market restraint analysis
 - 4.5.2.1 Intensification in design complexity
 - 4.5.2.2 Increasing risk for data breaches and cyber attacks
- 4.6 Penetration and Growth Prospect Mapping
- 4.7 Metrology Services Market Key Company Analysis, 2018
- 4.8 Business Environment Analysis Tool
 - 4.8.1 Metrology Services market: PEST analysis
 - 4.8.2 Metrology Services market: PORTERS analysis

CHAPTER 5 METROLOGY SERVICES MARKET: PRODUCT SEGMENT ANALYSIS

- 5.1 CMM
 - 5.1.1 CMM market, 2015 - 2025 (USD million)
 - 5.1.2 Gantry machine market, 2015 - 2025 (USD million)
 - 5.1.3 Bridge machine market, 2015 - 2025 (USD million)
 - 5.1.4 Articulated arm machi market, 2015 - 2025 (USD million)
 - 5.1.5 Horizontal arm market, 2015 - 2025 (USD million)
- 5.2 ODS
 - 5.2.1 ODS market, 2015 - 2025 (USD million)
 - 5.2.2 3D laser scanner market, 2015 - 2025 (USD million)
 - 5.2.3 White light scanner market, 2015 - 2025 (USD million)
 - 5.2.4 Laser tracker market, 2015 - 2025 (USD million)

CHAPTER 6 METROLOGY SERVICES MARKET: APPLICATION SEGMENT ANALYSIS

- 6.1 Automotive
 - 6.1.1 Automotive Metrology Services market, 2015 - 2025 (USD million)
- 6.2 Aerospace
 - 6.2.1 Aerospace Metrology Services market, 2015 - 2025 (USD million)
- 6.3 Industrial
 - 6.3.1 Industrial market, 2015 - 2025 (USD million)
- 6.4 Power Generation
 - 6.4.1 Power Generation Metrology Services market, 2015 - 2025 (USD million)
- 6.5 Others
 - 6.5.1 Others Metrology Services market, 2015 - 2025 (USD million)

CHAPTER 7 METROLOGY SERVICES MARKET: REGIONAL ANALYSIS

7.1 North America

7.1.1 North America Metrology Services market, by country, 2015 - 2025 (USD million)

7.1.2 North America Metrology Services market, by Product 2015 - 2025 (USD million)

7.1.3 North America Metrology Services market, by application, 2015 - 2025 (USD million)

7.1.4 U.S.

7.1.4.1 U.S. Metrology Services market, by product 2015 - 2025 (USD million)

7.1.4.2 U.S. Metrology Services market, by application, 2015 - 2025 (USD million)

7.1.5 Canada

7.1.5.1 Canada Metrology Services market, by product 2015 - 2025 (USD million)

7.1.5.2 Canada Metrology Services market, by application, 2015 - 2025 (USD million)

7.1.6 Mexico

7.1.6.1 Mexico Metrology Services market, by product 2015 - 2025 (USD million)

7.1.6.2 Mexico Metrology Services market, by application, 2015 - 2025 (USD million)

7.2 Europe

7.2.1 Europe Metrology Services market, by country, 2015 - 2025 (USD million)

7.2.2 Europe Metrology Services market, by product 2015 - 2025 (USD million)

7.2.3 Europe Metrology Services market, by application, 2015 - 2025 (USD million)

7.2.4 Germany

7.2.4.1 Germany Metrology Services market, by product 2015 - 2025 (USD million)

7.2.4.2 Germany Metrology Services market, by application, 2015 - 2025 (USD million)

7.2.5 UK

7.2.5.1 UK Metrology Services market, by product 2015 - 2025 (USD million)

7.2.5.2 UK Metrology Services market, by application, 2015 - 2025 (USD million)

7.2.6 France

7.2.6.1 France Metrology Services market, by product 2015 - 2025 (USD million)

7.2.6.2 France Metrology Services market, by application, 2015 - 2025 (USD million)

7.3 Asia Pacific

7.3.1 Asia Pacific Metrology Services market, by country, 2015 - 2025 (USD million)

7.3.2 Asia Pacific Metrology Services market, by product 2015 - 2025 (USD million)

7.3.3 Asia Pacific Metrology Services market, by application, 2015 - 2025 (USD million)

7.3.4 China

7.3.4.1 China Metrology Services market, by product 2015 - 2025 (USD million)

7.3.4.2 China Metrology Services market, by application, 2015 - 2025 (USD million)

7.3.5 Japan

7.3.5.1 Japan Metrology Services market, by product 2015 - 2025 (USD million)

7.3.5.2 Japan Metrology Services market, by application, 2015 - 2025 (USD million)

7.3.6 South Korea

7.3.6.1 SOUTH KOREA Metrology Services market, by product 2015 - 2025 (USD million)

7.3.6.2 SOUTH KOREA Metrology Services market, by application, 2015 - 2025 (USD million)

7.3.7 India

7.3.7.1 India Metrology Services market, by product 2015 - 2025

7.3.7.2 India Metrology Services market, by application, 2015 - 2025 (USD million)

7.4 RoW

7.4.1 RoW Metrology Services market, by country, 2015 - 2025 (USD million)

7.4.2 ROW America Metrology Services market, by product 2015 - 2025 (USD million)

7.4.3 RoW America Metrology Services market, by application, 2015 - 2025 (USD million)

CHAPTER 8 COMPANY PROFILES

8.1 Atos SE

8.1.1 Company overview

8.1.2 Financial performance

8.1.3 Product benchmarking

8.1.4 Strategic initiatives

8.2 Automation Anywhere Inc.

8.2.1 Company overview

8.2.2 Financial performance

8.2.3 Product benchmarking

8.2.4 Strategic initiatives

8.3 Be Informed B.V.

8.3.1 Company overview

8.3.2 Financial performance

8.3.3 Product benchmarking

8.3.4 Strategic initiatives

8.4 Blue Prism Group Plc

8.4.1 Company overview

8.4.2 Financial performance

8.4.3 Product benchmarking

8.4.4 Strategic initiatives

8.5 Cicero Inc.

8.5.1 Company overview

8.5.2 Financial performance

- 8.5.3 Product benchmarking
- 8.5.4 Strategic initiatives
- 8.6 Cognizant Technology Solutions Corporation
 - 8.6.1 Company overview
 - 8.6.2 Financial performance
 - 8.6.3 Product benchmarking
 - 8.6.4 Strategic initiatives
- 8.7 Genfour
 - 8.7.1 Company overview
 - 8.7.2 Financial performance
 - 8.7.3 Product benchmarking
 - 8.7.4 Strategic initiatives
- 8.8 Genpact Ltd
 - 8.8.1 Company overview
 - 8.8.2 Financial performance
 - 8.8.3 Product benchmarking
 - 8.8.4 Strategic initiatives
- 8.9 Infosys Ltd
 - 8.9.1 Company overview
 - 8.9.2 Financial performance
 - 8.9.3 Product benchmarking
 - 8.9.4 Strategic initiatives
- 8.10 IPsoft, Inc
 - 8.10.1 Company overview
 - 8.10.2 Financial performance
 - 8.10.3 Product benchmarking
 - 8.10.4 Strategic initiatives
- 8.11 Jacada, Inc
 - 8.11.1 Company overview
 - 8.11.2 Financial performance
 - 8.11.3 Product benchmarking
 - 8.11.4 Strategic initiatives
- 8.12 Kofax Ltd
 - 8.12.1 Company overview
 - 8.12.2 Financial performance
 - 8.12.3 Product benchmarking
 - 8.12.4 Strategic initiatives
- 8.13 Kryon Systems
 - 8.13.1 Company overview

8.13.2 Financial performance

8.13.3 Product benchmarking

8.13.4 Strategic initiatives

List Of Tables

LIST OF TABLES

TABLE 1 Global metrology services market, 2015 - 2025 (USD Million)

TABLE 2 Global metrology services market estimates and forecasts by region, 2015 - 2025 (USD Million),

TABLE 3 Global CMM market estimates and forecasts by product, 2015 - 2025 (USD Million)

TABLE 4 Global metrology services market estimates and forecasts by application, 2015 - 2025 (USD Million)

TABLE 5 Global CMM market by region, 2015 - 2025 (USD Million)

TABLE 6 Global gantry machine market by region, 2015 - 2025 (USD Million)

TABLE 7 Global bridge machine market by region, 2015 - 2025 (USD Million)

TABLE 8 Global articulated arm machine market by region, 2015 - 2025 (USD Million)

TABLE 9 Global horizontal arm machine market by region, 2015 - 2025 (USD Million)

TABLE 10 Global optical digitizer and scanner market by region, 2015 - 2025 (USD Million)

TABLE 11 Global 3D laser scanner market by region, 2015 - 2025 (USD Million)

TABLE 12 Global white light scanner market by region, 2015 - 2025 (USD Million)

TABLE 13 Global laser tracker market by region, 2015 - 2025 (USD Million)

TABLE 14 Global automotive metrology services market by region, 2015 - 2025 (USD Million)

TABLE 15 Global aerospace metrology services market by region, 2015 - 2025 (USD Million)

TABLE 16 Global industrial metrology services market by region, 2015 - 2025 (USD Million)

TABLE 17 Global power generation metrology services market by region, 2015 - 2025 (USD Million)

TABLE 18 Global other metrology services market by region, 2015 - 2025 (USD Million)

TABLE 19 North America metrology services market by product, 2015 - 2025 (USD Million)

TABLE 20 North America CMM market by product, 2015 - 2025 (USD Million)

TABLE 21 North America ODS market by product, 2015 - 2025 (USD Million)

TABLE 22 North America metrology service market by application, 2015 - 2025 (USD Million)

TABLE 23 U.S. metrology services market by product, 2015 - 2025 (USD Million)

TABLE 24 U.S. metrology service market by application, 2015 - 2025 (USD Million)

TABLE 25 Canada metrology services market by product, 2015 - 2025 (USD Million)

- TABLE 26 Canada metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 27 Mexico metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 28 Mexico metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 29 Europe metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 30 Europe metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 31 Germany metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 32 Germany metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 33 UK metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 34 U.K. metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 35 France metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 36 France metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 37 Asia Pacific metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 38 Asia Pacific CMM market by product, 2015 - 2025 (USD Million)
- TABLE 39 Asia Pacific ODS market by product, 2015 - 2025 (USD Million)
- TABLE 40 Asia Pacific metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 41 China metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 42 China metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 43 Japan metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 44 Japan metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 45 South Korea metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 46 South Korea metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 47 India metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 48 India metrology service market by application, 2015 - 2025 (USD Million)
- TABLE 49 RoW metrology services market by product, 2015 - 2025 (USD Million)
- TABLE 50 RoW metrology service market by application, 2015 - 2025 (USD Million)

List Of Figures

LIST OF FIGURES

- FIG. 1 Market snapshot
- FIG. 2 Market segmentation
- FIG. 3 Metrology Services- Market size and growth prospects
- FIG. 4 Metrology Services - Value chain analysis
- FIG. 5 Porter's Five Forces Analysis
- FIG. 6 Penetration & growth prospect mapping
- FIG. 7 Porter's Five Forces Analysis
- FIG. 8 Key Company Analysis, 2018
- FIG. 9 Position Sensor- PEST analysis
- FIG. 10 Metrology services market product outlook key takeaways
- FIG. 11 Metrology services market: Product movement analysis
- FIG. 12 Global CMM market, 2015 - 2025 (USD Million)
- FIG. 13 Global gantry machine market, 2015 - 2025 (USD Million)
- FIG. 14 Global bridge machine market, 2015 - 2025 (USD Million)
- FIG. 15 Global articulated arm machine market, 2015 - 2025 (USD Million)
- FIG. 16 Global horizontal arm machine market, 2015 - 2025 (USD Million)
- FIG. 17 Global optical digitizer and scanner market, 2015 - 2025 (USD Million)
- FIG. 18 Global 3D laser scanner market, 2015 - 2025 (USD Million)
- FIG. 19 Global white light scanner market, 2015 - 2025 (USD Million)
- FIG. 20 Global laser tracker market, 2015 - 2025 (USD Million)
- FIG. 21 Metrology services market: Application movement analysis
- FIG. 22 Global automotive metrology services market, 2015 - 2025 (USD Million)
- FIG. 23 Global aerospace metrology services market, 2015 - 2025 (USD Million)
- FIG. 24 Global industrial metrology services market, 2015 - 2025 (USD Million)
- FIG. 25 Global power generation metrology services market, 2015 - 2025 (USD Million)
- FIG. 26 Global others metrology services market, 2015 - 2025 (USD Million)
- FIG. 27 Regional marketplace: Key takeaways
- FIG. 28 Regional outlook, 2018 & 2025

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