

Europe 3D Metrology Market Forecast to 2031 - Regional Analysis - by Product (Hardware, Services, and Software), Hardware (Coordinate Measuring Machine, Optical Digitizer and Scanner, Video Measuring Machine, 3D Automated Optical Inspection, and Others), Application (Quality Control and Inspection, Reverse Engineering, Virtual Simulation, and Others), and End User (Automotive, Electronics, Aerospace and Defense, Medical, Energy and Power, Heavy Machinery, and Others)

<https://marketpublishers.com/r/E5352F15C67EEN.html>

Date: August 2024

Pages: 116

Price: US\$ 3,550.00 (Single User License)

ID: E5352F15C67EEN

Abstracts

The Europe 3D metrology market was valued at US\$ 2,674.60 million in 2023 and is expected to reach US\$ 4,927.44 million by 2031; it is estimated to register a CAGR of 7.9% from 2023 to 2031.

Rising Requirement for High Productivity by Electronic Manufacturers Drives Europe 3D Metrology Market

Electronic devices-including smartphones, tablets, laptops, wearables devices, and home appliances-have become essential in daily life. The demand for electronic devices is continuously increasing worldwide. Companies are working on automating their production facilities to cater to this rising demand. As automation follows stringent safety regulations and provides superior energy efficiency and better design, resulting in outstanding production levels in factories, its adoption is increasing worldwide. Moreover, automation helps lower process costs and ensure workers' safety in adverse

environments. Because of these benefits, governments of various countries are taking several initiatives to automate factories. For instance, in July 2021, the government of the UK announced an investment of US\$ 59.3 million (GBP 53 million) to drive the development of digital manufacturing technologies. This growing automation in the electronic manufacturing industry is raising the demand for 3D metrology as the technology has become essential for process control, overall manufacturing excellence, and product quality. 3D metrology has been integrated into smart electronic manufacturing processes because it is necessary to have precise, actionable, and real-time data in order to maximize output and improve overall efficiency. The technology has become an essential component of the entire production lifecycle in smart electronic manufacturing, going beyond quality control and inspection. It offers a complete solution to monitor and enhance processes at every level, from design and prototype to production and post-manufacturing analysis. Thus, the rising demand for high productivity by electronic manufacturers is boosting the growth of the Europe 3D metrology market.

Europe 3D Metrology Market Overview

The market in Europe is segmented into France, Germany, Italy, Russia, the UK, and the Rest of Europe. Several aircraft manufacturers in Europe use 3D metrology as there is a need for accuracy and precision to ensure the safety, reliability, and performance of manufactured aerospace components. As the demand for aircraft is increasing worldwide, the need for advanced manufacturing is also rising. According to the Aerospace, Security, and Defence Industries Association of Europe (ASD), the aerospace sector contributed ~US\$ 249.31 billion (EUR 240 billion) to the European GDP in 2021. Hence, the growth in the aerospace sector is propelling the growth of the Europe 3D metrology market in the region.

The region is witnessing tremendous growth in its automotive sector, which is one of the largest sectors in the region, representing over 7% of the region's GDP. The presence of established car manufacturers and an increase in the production and sales of electric vehicles (EVs) will boost the demand for flexible electronics in the coming years. In addition, the governments of different countries in the region are taking initiatives to boost the growth of the automotive industry, which will propel the growth of the Europe 3D metrology market. For instance, in April 2022, the Italian government signed a decree to allocate an incentive worth US\$ 709 million per year from 2022 to 2024 to buy electrified or low-polluting cars and electric vans. Similarly, in May 2022, the UK government announced funding worth US\$ 50 million to encourage the development of autonomous commercial vehicles such as delivery vehicles and passenger shuttles.

Thus, such government initiatives are accelerating the sale of automotive vehicles, further fueling the growth of the Europe 3D metrology market.

The region is witnessing a rise in industrial automation. The increasing demand for efficient business process automation and intelligent process handling is driving the growth of the market. The manufacturing industry is witnessing a rise in the adoption of automation tools to provide quality services to their customers, further propelling the growth of the Europe 3D metrology market.

Europe 3D Metrology Market Revenue and Forecast to 2031 (US\$ Million)

Europe 3D Metrology Market Segmentation

The Europe 3D metrology market is categorized into product, application, end user, and country.

Based on product, the Europe 3D metrology market is segmented hardware, services, and software. The hardware segment held the largest market share in 2023. The hardware segment is further subsegmented into coordinate measuring machine, optical digitizer and scanner, video measuring machine, 3D automated optical inspection, and others.

Based on application, the Europe 3D metrology market is segmented into quality control and inspection, reverse engineering, virtual simulation, and others. The quality control and inspection segment held the largest market share in 2023.

In terms of end user, the Europe 3D metrology market is segmented into automotive, electronics, aerospace and defense, medical, energy and power, heavy machinery, and others. The automotive segment held the largest market share in 2023.

By country, the Europe 3D metrology market is segmented into Germany, the UK, France, Italy, Russia, and the Rest of Europe. The Rest of Europe dominated the Europe 3D metrology market share in 2023.

Artec Europe, Creaform Inc, FARO Technologies Inc, Hexagon AB, Intertek Group Plc, Keyence Corp, Mitutoyo America Corporation, Nikon Metrology NV, Shining 3D Tech Co Ltd, and ZEISS Group are some of the leading companies operating in the Europe 3D metrology market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. EUROPE 3D METROLOGY MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Ecosystem Analysis
 - 4.2.1 List of Vendors in the Value Chain

5. EUROPE 3D METROLOGY MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Demand for 3D Metrology in Automotive Industry
 - 5.1.2 Rising Requirement for High Productivity by Electronic Manufacturers
- 5.2 Market Restraints
 - 5.2.1 Divergent Measurement Systems and Standards
- 5.3 Market Opportunities
 - 5.3.1 Increasing Need for 3D Metrology in Aviation Industry
 - 5.3.2 Rising Demand for Industry 4.0
- 5.4 Future Trends
 - 5.4.1 Growing Adoption of Cloud Computing
- 5.5 Impact of Drivers and Restraints:

6. 3D METROLOGY MARKET - EUROPE ANALYSIS

6.1 Europe 3D Metrology Market Revenue (US\$ Million), 2021-2031

6.2 Europe 3D Metrology Market Forecast Analysis

7. EUROPE 3D METROLOGY MARKET ANALYSIS - BY PRODUCT

7.1 Hardware

7.1.1 Overview

7.1.2 Hardware: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

7.1.3 Europe 3D Metrology Market - by Hardware (2023 and 2031)

7.1.3.1 Coordinate Measuring Machine

7.1.3.1.1 Overview

7.1.3.1.2 Coordinate Measuring Machine: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

7.1.3.2 Optical Digitizer and Scanner

7.1.3.2.1 Overview

7.1.3.2.2 Optical Digitizer and Scanner: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

7.1.3.3 Video Measuring Machine

7.1.3.3.1 Overview

7.1.3.3.2 Video Measuring Machine: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

7.1.3.4 3D Automated Optical Inspection

7.1.3.4.1 Overview

7.1.3.4.2 3D Automated Optical Inspection: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

7.1.3.5 Others

7.1.3.5.1 Overview

7.1.3.5.2 Others: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

7.2 Services

7.2.1 Overview

7.2.2 Services: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

7.3 Software

7.3.1 Overview

7.3.2 Software: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

8. EUROPE 3D METROLOGY MARKET ANALYSIS - BY APPLICATION

8.1 Quality Control & Inspection

8.1.1 Overview

8.1.2 Quality Control & Inspection: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

8.2 Reverse Engineering

8.2.1 Overview

8.2.2 Reverse Engineering: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

8.3 Virtual Simulation

8.3.1 Overview

8.3.2 Virtual Simulation: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

8.4 Others

8.4.1 Overview

8.4.2 Others: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

9. EUROPE 3D METROLOGY MARKET ANALYSIS - BY END USER

9.1 Automotive

9.1.1 Overview

9.1.2 Automotive: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

9.2 Electronics

9.2.1 Overview

9.2.2 Electronics: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

9.3 Aerospace & Defense

9.3.1 Overview

9.3.2 Aerospace & Defense: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

9.4 Medical

9.4.1 Overview

9.4.2 Medical: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

9.5 Energy & Power

9.5.1 Overview

9.5.2 Energy & Power: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

9.6 Heavy Machinery

9.6.1 Overview

9.6.2 Heavy Machinery: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

9.7 Others

9.7.1 Overview

9.7.2 Others: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10. EUROPE 3D METROLOGY MARKET - COUNTRY ANALYSIS

10.1 Overview

10.1.1 Europe 3D Metrology Market Breakdown, by Key Countries, 2023 and 2031 (%)

10.1.1.1 Europe 3D Metrology Market - Revenue and Forecast Analysis - by Country

10.1.1.2 Germany: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.2.1 Germany: Europe 3D Metrology Market Breakdown, by Product

10.1.1.2.1.1 Germany: Europe 3D Metrology Market Breakdown, by Hardware

10.1.1.2.2 Germany: Europe 3D Metrology Market Breakdown, by Application

10.1.1.2.3 Germany: Europe 3D Metrology Market Breakdown, by End User

10.1.1.3 United Kingdom: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.3.1 United Kingdom: Europe 3D Metrology Market Breakdown, by Product

10.1.1.3.1.1 United Kingdom: Europe 3D Metrology Market Breakdown, by Hardware

10.1.1.3.2 United Kingdom: Europe 3D Metrology Market Breakdown, by Application

10.1.1.3.3 United Kingdom: Europe 3D Metrology Market Breakdown, by End User

10.1.1.4 France: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.4.1 France: Europe 3D Metrology Market Breakdown, by Product

10.1.1.4.1.1 France: Europe 3D Metrology Market Breakdown, by Hardware

10.1.1.4.2 France: Europe 3D Metrology Market Breakdown, by Application

10.1.1.4.3 France: Europe 3D Metrology Market Breakdown, by End User

10.1.1.5 Italy: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.5.1 Italy: Europe 3D Metrology Market Breakdown, by Product

- 10.1.1.5.1.1 Italy: Europe 3D Metrology Market Breakdown, by Hardware
- 10.1.1.5.2 Italy: Europe 3D Metrology Market Breakdown, by Application
- 10.1.1.5.3 Italy: Europe 3D Metrology Market Breakdown, by End User
- 10.1.1.6 Russia: Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
 - 10.1.1.6.1 Russia: Europe 3D Metrology Market Breakdown, by Product
 - 10.1.1.6.1.1 Russia: Europe 3D Metrology Market Breakdown, by Hardware
 - 10.1.1.6.2 Russia: Europe 3D Metrology Market Breakdown, by Application
 - 10.1.1.6.3 Russia: Europe 3D Metrology Market Breakdown, by End User
- 10.1.1.7 Rest of Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
 - 10.1.1.7.1 Rest of Europe 3D Metrology Market Breakdown, by Product
 - 10.1.1.7.1.1 Rest of Europe 3D Metrology Market Breakdown, by Hardware
 - 10.1.1.7.2 Rest of Europe 3D Metrology Market Breakdown, by Application
 - 10.1.1.7.3 Rest of Europe 3D Metrology Market Breakdown, by End User

11. COMPETITIVE LANDSCAPE

- 11.1 Heat Map Analysis by Key Players
- 11.2 Company Positioning & Concentration

12. INDUSTRY LANDSCAPE

- 12.1 Overview
- 12.2 Market Initiative
- 12.3 New Product Development
- 12.4 Merger and Acquisition

13. COMPANY PROFILES

- 13.1 Hexagon AB
 - 13.1.1 Key Facts
 - 13.1.2 Business Description
 - 13.1.3 Products and Services
 - 13.1.4 Financial Overview
 - 13.1.5 SWOT Analysis
 - 13.1.6 Key Developments
- 13.2 Nikon Metrology NV
 - 13.2.1 Key Facts

- 13.2.2 Business Description
- 13.2.3 Products and Services
- 13.2.4 Financial Overview
- 13.2.5 SWOT Analysis
- 13.2.6 Key Developments
- 13.3 Creaform Inc
 - 13.3.1 Key Facts
 - 13.3.2 Business Description
 - 13.3.3 Products and Services
 - 13.3.4 Financial Overview
 - 13.3.5 SWOT Analysis
 - 13.3.6 Key Developments
- 13.4 FARO Technologies Inc
 - 13.4.1 Key Facts
 - 13.4.2 Business Description
 - 13.4.3 Products and Services
 - 13.4.4 Financial Overview
 - 13.4.5 SWOT Analysis
 - 13.4.6 Key Developments
- 13.5 Artec Europe
 - 13.5.1 Key Facts
 - 13.5.2 Business Description
 - 13.5.3 Products and Services
 - 13.5.4 Financial Overview
 - 13.5.5 SWOT Analysis
 - 13.5.6 Key Developments
- 13.6 Intertek Group Plc
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis
 - 13.6.6 Key Developments
- 13.7 Keyence Corp
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview
 - 13.7.5 SWOT Analysis

- 13.7.6 Key Developments
- 13.8 Mitutoyo America Corporation
 - 13.8.1 Key Facts
 - 13.8.2 Business Description
 - 13.8.3 Products and Services
 - 13.8.4 Financial Overview
 - 13.8.5 SWOT Analysis
 - 13.8.6 Key Developments
- 13.9 ZEISS Group
 - 13.9.1 Key Facts
 - 13.9.2 Business Description
 - 13.9.3 Products and Services
 - 13.9.4 Financial Overview
 - 13.9.5 SWOT Analysis
 - 13.9.6 Key Developments
- 13.10 Shining 3D Tech Co Ltd
 - 13.10.1 Key Facts
 - 13.10.2 Business Description
 - 13.10.3 Products and Services
 - 13.10.4 Financial Overview
 - 13.10.5 SWOT Analysis
 - 13.10.6 Key Developments

14. APPENDIX

- 14.1 About The Insight Partners
- 14.2 Word Index

List Of Tables

LIST OF TABLES

Table 1. Europe 3D Metrology Market Segmentation

Table 2. List of Vendors

Table 3. Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Table 4. Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million) - by Product

Table 5. Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million) - by Hardware

Table 6. Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million) - by Application

Table 7. Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million) - by End User

Table 8. Europe 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million) - by Country

Table 9. Germany: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 10. Germany: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 11. Germany: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 12. Germany: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 13. United Kingdom: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 14. United Kingdom: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 15. United Kingdom: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 16. United Kingdom: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 17. France: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 18. France: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 19. France: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 20. France: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 21. Italy: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 22. Italy: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 23. Italy: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 24. Italy: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 25. Russia: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 26. Russia: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 27. Russia: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 28. Russia: Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 29. Rest of Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 30. Rest of Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 31. Rest of Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 32. Rest of Europe 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 33. List of Abbreviation

I would like to order

Product name: Europe 3D Metrology Market Forecast to 2031 - Regional Analysis - by Product (Hardware, Services, and Software), Hardware (Coordinate Measuring Machine, Optical Digitizer and Scanner, Video Measuring Machine, 3D Automated Optical Inspection, and Others), Application (Quality Control and Inspection, Reverse Engineering, Virtual Simulation, and Others), and End User (Automotive, Electronics, Aerospace and Defense, Medical, Energy and Power, Heavy Machinery, and Others)

Product link: <https://marketpublishers.com/r/E5352F15C67EEN.html>

Price: US\$ 3,550.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E5352F15C67EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970