

# **Middle East & Africa 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/M60D8C328471EN.html>

Date: August 2024

Pages: 98

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

ID: M60D8C328471EN

## **Abstracts**

The Middle East & Africa 3D metrology market was valued at US\$ 694.96 million in 2023 and is expected to reach US\$ 1,219.67 million by 2031; it is estimated to register a CAGR of 7.3% from 2023 to 2031.

**Rising Requirement for High Productivity by Electronic Manufacturers Bolsters Middle East & Africa 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. 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 & 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 Middle East & Africa 3D metrology market.

### Middle East & Africa 3D Metrology Market Overview

One of the major factors driving the Saudi Arabia 3D metrology market is the country's growing healthcare sector. The country accounts for ~60% of the Gulf Cooperation Council (GCC) countries' healthcare expenditure. The country's government is planning to invest over US\$ 65 billion to develop the healthcare infrastructure by 2031. In addition, Saudi Arabia's telehealth adoption rate is ~70%, and ~34% of young physicians are using AI to facilitate diagnoses, which will increase the demand for electronic devices in the country, thus fueling the growth of the Middle East & Africa 3D metrology market in Saudi Arabia.

### Middle East & Africa 3D Metrology Market Revenue and Forecast to 2031 (US\$ Million)

### Middle East & Africa 3D Metrology Market Segmentation

The Middle East & Africa 3D metrology market is categorized into product, application, end user, and country.

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

Based on application, the Middle East & Africa 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 Middle East & Africa 3D metrology market is segmented into automotive, electronics, aerospace and defense, medical, energy and power, heavy machinery, and others. The medical segment held the largest market share in 2023.

By country, the Middle East & Africa 3D metrology market is segmented into Saudi Arabia, the UAE, South Africa, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa 3D metrology market share in 2023.

FARO Technologies Inc, Hexagon AB, Intertek Group Plc, Keyence Corp, Mitutoyo America Corporation, Nikon Metrology NV, and ZEISS Group are some of the leading companies operating in the Middle East & Africa 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. MIDDLE EAST & AFRICA 3D METROLOGY MARKET LANDSCAPE**

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

### **5. MIDDLE EAST & AFRICA 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 - MIDDLE EAST & AFRICA MARKET ANALYSIS**

6.1 Middle East & Africa 3D Metrology Market Revenue (US\$ Million), 2021-2031

6.2 Middle East & Africa 3D Metrology Market Forecast Analysis

## **7. MIDDLE EAST & AFRICA 3D METROLOGY MARKET ANALYSIS - BY PRODUCT**

### 7.1 Hardware

#### 7.1.1 Overview

7.1.2 Hardware: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

#### 7.1.3 Middle East & Africa 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: Middle East & Africa 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: Middle East & Africa 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: Middle East & Africa 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: Middle East & Africa 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: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

### 7.2 Services

#### 7.2.1 Overview

7.2.2 Services: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

### 7.3 Software

#### 7.3.1 Overview

7.3.2 Software: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

## **8. MIDDLE EAST & AFRICA 3D METROLOGY MARKET ANALYSIS - BY APPLICATION**

### 8.1 Quality Control & Inspection

#### 8.1.1 Overview

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

### 8.2 Reverse Engineering

#### 8.2.1 Overview

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

### 8.3 Virtual Simulation

#### 8.3.1 Overview

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

### 8.4 Others

#### 8.4.1 Overview

8.4.2 Others: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

## **9. MIDDLE EAST & AFRICA 3D METROLOGY MARKET ANALYSIS - BY END USER**

### 9.1 Automotive

#### 9.1.1 Overview

9.1.2 Automotive: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

### 9.2 Electronics

#### 9.2.1 Overview

9.2.2 Electronics: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

### 9.3 Aerospace & Defense

#### 9.3.1 Overview

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

### 9.4 Medical

#### 9.4.1 Overview

9.4.2 Medical: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

## 9.5 Energy & Power

### 9.5.1 Overview

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

## 9.6 Heavy Machinery

### 9.6.1 Overview

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

## 9.7 Others

### 9.7.1 Overview

9.7.2 Others: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

## **10. MIDDLE EAST & AFRICA 3D METROLOGY MARKET - COUNTRY ANALYSIS**

### 10.1 Middle East & Africa

10.1.1 Middle East & Africa 3D Metrology Market Breakdown, by Key Countries, 2023 and 2031 (%)

10.1.1.1 Middle East & Africa 3D Metrology Market - Revenue and Forecast Analysis - by Country

10.1.1.2 Saudi Arabia: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.2.1 Saudi Arabia: Middle East & Africa 3D Metrology Market Breakdown, by Product

10.1.1.2.1.1 Saudi Arabia: Middle East & Africa 3D Metrology Market Breakdown, by Hardware

10.1.1.2.2 Saudi Arabia: Middle East & Africa 3D Metrology Market Breakdown, by Application

10.1.1.2.3 Saudi Arabia: Middle East & Africa 3D Metrology Market Breakdown, by End User

10.1.1.3 United Arab Emirates: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.3.1 United Arab Emirates: Middle East & Africa 3D Metrology Market Breakdown, by Product

10.1.1.3.1.1 United Arab Emirates: Middle East & Africa 3D Metrology Market Breakdown, by Hardware

10.1.1.3.2 United Arab Emirates: Middle East & Africa 3D Metrology Market Breakdown, by Application

10.1.1.3.3 United Arab Emirates: Middle East & Africa 3D Metrology Market

## Breakdown, by End User

10.1.1.4 South Africa: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.4.1 South Africa: Middle East & Africa 3D Metrology Market Breakdown, by Product

10.1.1.4.1.1 South Africa: Middle East & Africa 3D Metrology Market Breakdown, by Hardware

10.1.1.4.2 South Africa: Middle East & Africa 3D Metrology Market Breakdown, by Application

10.1.1.4.3 South Africa: Middle East & Africa 3D Metrology Market Breakdown, by End User

10.1.1.5 Rest of Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

10.1.1.5.1 Rest of Middle East & Africa 3D Metrology Market Breakdown, by Product

10.1.1.5.1.1 Rest of Middle East & Africa 3D Metrology Market Breakdown, by Hardware

10.1.1.5.2 Rest of Middle East & Africa 3D Metrology Market Breakdown, by Application

10.1.1.5.3 Rest of Middle East & Africa 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 FARO Technologies 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 Intertek Group Plc
  - 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 Keyence Corp
  - 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 Mitutoyo America Corporation
  - 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 ZEISS Group

### 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

## 14. APPENDIX

### 14.1 About The Insight Partners

### 14.2 Word Index

## List Of Tables

### LIST OF TABLES

Table 1. Middle East & Africa 3D Metrology Market Segmentation

Table 2. List of Vendors

Table 3. Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

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

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

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

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

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

Table 9. Saudi Arabia: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 10. Saudi Arabia: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 11. Saudi Arabia: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 12. Saudi Arabia: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 13. United Arab Emirates: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 14. United Arab Emirates: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 15. United Arab Emirates: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 16. United Arab Emirates: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 17. South Africa: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 18. South Africa: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 19. South Africa: Middle East & Africa 3D Metrology Market - Revenue and

Forecast to 2031(US\$ Million) - by Application

Table 20. South Africa: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 21. Rest of Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Product

Table 22. Rest of Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Hardware

Table 23. Rest of Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by Application

Table 24. Rest of Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million) - by End User

Table 25. List of Abbreviation

## List Of Figures

### LIST OF FIGURES

- Figure 1. Middle East & Africa 3D Metrology Market Segmentation, by Country
- Figure 2. Ecosystem: 3D Metrology Market
- Figure 3. Middle East & Africa 3D Metrology Market - Key Market Dynamics
- Figure 4. Impact Analysis of Drivers and Restraints
- Figure 5. Middle East & Africa 3D Metrology Market Revenue (US\$ Million), 2021-2031
- Figure 6. Middle East & Africa 3D Metrology Market Share (%) - by Product (2023 and 2031)
- Figure 7. Hardware: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 8. Coordinate Measuring Machine: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 9. Optical Digitizer and Scanner: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 10. Video Measuring Machine: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 11. 3D Automated Optical Inspection: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 12. Others: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 13. Services: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 14. Software: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 15. Middle East & Africa 3D Metrology Market Share (%) - by Application (2023 and 2031)
- Figure 16. Quality Control & Inspection: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 17. Reverse Engineering: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 18. Virtual Simulation: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 19. Others: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)
- Figure 20. Middle East & Africa 3D Metrology Market Share (%) - by End User (2023 and 2031)

Figure 21. Automotive: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Figure 22. Electronics: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Figure 23. Aerospace & Defense: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Figure 24. Medical: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Figure 25. Energy & Power: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Figure 26. Heavy Machinery: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Figure 27. Others: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031 (US\$ Million)

Figure 28. Middle East & Africa 3D Metrology Market, by Key Countries - Revenue (2023) (US\$ Million)

Figure 29. Middle East & Africa 3D Metrology Market Breakdown, by Key Countries, 2023 and 2031 (%)

Figure 30. Saudi Arabia: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million)

Figure 31. United Arab Emirates: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million)

Figure 32. South Africa: Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million)

Figure 33. Rest of Middle East & Africa 3D Metrology Market - Revenue and Forecast to 2031(US\$ Million)

Figure 34. Heat Map Analysis by Key Players

Figure 35. Company Positioning & Concentration

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