

# **Global Test & Measurement Equipment Market Size Study, by Product (General Purpose Test Equipment, Mechanical Test Equipment), by Services (Calibration Services, Repair or After Sale Services) by Application (Aerospace & Defense, Automotive, Education & Government, Healthcare, Industrial, IT & Telecommunication, Manufacturing, Semiconductor & Electronics), and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/G07D7C2A1689EN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G07D7C2A1689EN

## **Abstracts**

The Global Test And Measurement Equipment Market was valued at USD 32.18 billion in 2023 and is projected to grow with a compound annual growth rate (CAGR) of 5.75% from 2024 to 2032. The Test and Measurement Equipment Market encompasses a diverse range of instruments and devices used to measure, analyze, and test various parameters in electronic, electrical, and mechanical systems. These instruments are vital across industries such as telecommunications, automotive, aerospace, healthcare, and manufacturing to ensure the quality, safety, and efficiency of products and processes. The market is driven by rapid technological advancements, the growing complexity of electronic devices, and the need for precise and reliable testing solutions.

The emergence of Industry 4.0 has heightened the need for performance testing of electronic devices, driving demand in this sector. Additionally, the automotive and aerospace industries' growing electrification necessitates precise testing of electronic components and systems. While the complexity of operation and maintenance requirements poses challenges, advancements in equipment design and models are facilitating more accurate and efficient testing processes. The expansion of 5G networks and data center deployments is further fueling the need for advanced test and

measurement equipment. The miniaturization of electronic devices and the growing trend of electric and autonomous vehicles are also propelling market growth. However, challenges such as the high cost of advanced test and measurement equipment and the need for skilled professionals to operate these devices may hinder market expansion. Regionally, North America and Europe lead the market due to their strong technological infrastructure and significant investments in research and development, while the Asia-Pacific region is emerging as a key market, driven by rapid industrialization and technological adoption.

The key region studies in Global Test And Measurement Equipment Market includes North America, Asia Pacific, Europe, Latin America and Middle East and Africa. North America is the leading region in the Global Test and Measurement Equipment Market, driven by its robust technological infrastructure, significant investments in research and development, and a strong presence of key industry players. The region's advanced manufacturing sector, coupled with a high adoption rate of innovative technologies in telecommunications, aerospace, and automotive industries, further fuels market growth. Additionally, stringent regulatory standards and the need for precise and reliable testing solutions contribute to North America's dominance. The Asia-Pacific region, however, is the fastest-growing market for test and measurement equipment. Rapid industrialization, increasing adoption of smart technologies, and substantial investments in the electronics and automotive sectors are primary factors driving this growth. Countries such as China, Japan, and South Korea are at the forefront due to their expanding manufacturing capabilities and rising demand for consumer electronics. The region's focus on developing 5G infrastructure and advancements in IoT devices also play a crucial role in accelerating market expansion. The growing emphasis on quality control and compliance with international standards in emerging economies further enhances the demand for sophisticated test and measurement equipment in the Asia-Pacific region.

Major market player included in this report are:

AB SKF

ABB Ltd.

Accra-Fab, Inc.

Adlink Technology, Inc.

Advantest Corporation

Ametek, Inc.

Anritsu Corporation

Astronics Corporation

Cohu, Inc.

DS Instruments

Exfo, Inc.  
Fluke Corporation  
Fortive Corporation  
Good Will Instrument Co., Ltd.  
Gossen Metrawatt GmbH

The detailed segments and sub-segment of the market are explained below:

By Product

General Purpose Test Equipment  
Mechanical Test Equipment

By Services

Calibration Services  
Repair or After Sale Services

By Application

Aerospace & Defense  
Automotive  
Education & Government  
Healthcare  
Industrial  
IT & Telecommunication  
Manufacturing  
Semiconductor & Electronics

By Region:

North America  
U.S.  
Canada

Europe

UK  
Germany  
France  
Spain  
Italy  
ROE (Rest of Europe)

Asia Pacific

China  
India  
Japan  
Australia  
South Korea  
RoAPAC (Rest of Asia Pacific)

Latin America  
Brazil  
Mexico  
Rest of Latin America

Middle East & Africa  
Saudi Arabia  
South Africa  
RoMEA (Rest of Middle East & Africa)

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL TEST & MEASUREMENT EQUIPMENT MARKET EXECUTIVE SUMMARY**

- 1.1. Global Test & Measurement Equipment Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Product
  - 1.3.2. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL TEST & MEASUREMENT EQUIPMENT MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL TEST & MEASUREMENT EQUIPMENT MARKET DYNAMICS**

### 3.1. Market Drivers

- 3.1.1. Rising Demand for Performance Testing in Electronics
- 3.1.2. Increasing Electrification in Automotive and Aerospace
- 3.1.3. Expansion of 5G Networks and Data Centers

### 3.2. Market Challenges

- 3.2.1. High Maintenance and Calibration Costs
- 3.2.2. Complexity Requiring Specialized Personnel

### 3.3. Market Opportunities

- 3.3.1. Advancements in Test & Measurement Equipment Design
- 3.3.2. Growth in Emerging Markets

## **CHAPTER 4. GLOBAL TEST & MEASUREMENT EQUIPMENT MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top investment opportunity

### 4.4. Top winning strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL TEST & MEASUREMENT EQUIPMENT MARKET SIZE & FORECASTS BY PRODUCT 2022-2032**

### 5.1. Segment Dashboard

## 5.2. Global Test & Measurement Equipment Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 5.2.1. General Purpose Test Equipment
- 5.2.2. Mechanical Test Equipment
- 5.2.3. Services
  - 5.2.3.1. Calibration Services
  - 5.2.3.2. Repair or After Sale Services

## **CHAPTER 6. GLOBAL TEST & MEASUREMENT EQUIPMENT MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

### 6.1. Segment Dashboard

## 6.2. Global Test & Measurement Equipment Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 6.2.1. Aerospace & Defense
- 6.2.2. Automotive
- 6.2.3. Education & Government
- 6.2.4. Healthcare
- 6.2.5. Industrial
- 6.2.6. IT & Telecommunication
- 6.2.7. Manufacturing
- 6.2.8. Semiconductor & Electronics

## **CHAPTER 7. GLOBAL TEST & MEASUREMENT EQUIPMENT MARKET SIZE & FORECASTS BY REGION 2022-2032**

### 7.1. North America Test & Measurement Equipment Market

- 7.1.1. U.S. Test & Measurement Equipment Market
  - 7.1.1.1. Product breakdown size & forecasts, 2022-2032
  - 7.1.1.2. Application breakdown size & forecasts, 2022-2032
- 7.1.2. Canada Test & Measurement Equipment Market

### 7.2. Europe Test & Measurement Equipment Market

- 7.2.1. U.K. Test & Measurement Equipment Market
- 7.2.2. Germany Test & Measurement Equipment Market
- 7.2.3. France Test & Measurement Equipment Market
- 7.2.4. Spain Test & Measurement Equipment Market
- 7.2.5. Italy Test & Measurement Equipment Market
- 7.2.6. Rest of Europe Test & Measurement Equipment Market

### 7.3. Asia-Pacific Test & Measurement Equipment Market

- 7.3.1. China Test & Measurement Equipment Market
- 7.3.2. India Test & Measurement Equipment Market
- 7.3.3. Japan Test & Measurement Equipment Market
- 7.3.4. Australia & New Zealand Test & Measurement Equipment Market
- 7.3.5. Rest of Asia Pacific Test & Measurement Equipment Market
- 7.4. Latin America Test & Measurement Equipment Market
  - 7.4.1. Brazil Test & Measurement Equipment Market
  - 7.4.2. Mexico Test & Measurement Equipment Market
  - 7.4.3. Rest of Latin America Test & Measurement Equipment Market
- 7.5. Middle East & Africa Test & Measurement Equipment Market
  - 7.5.1. Saudi Arabia Test & Measurement Equipment Market
  - 7.5.3. South Africa Test & Measurement Equipment Market
  - 7.5.4. Rest of Middle East & Africa Test & Measurement Equipment Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. AB SKF
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Market Strategies
  - 8.3.2. ABB Ltd.
  - 8.3.3. Accra-Fab, Inc.
  - 8.3.4. Adlink Technology, Inc.
  - 8.3.5. Advantest Corporation
  - 8.3.6. Ametek, Inc.
  - 8.3.7. Anritsu Corporation
  - 8.3.8. Astronics Corporation
  - 8.3.9. Cohu, Inc.
  - 8.3.10. DS Instruments
  - 8.3.11. Exfo, Inc.
  - 8.3.12. Fluke Corporation



- 8.3.13. Fortive Corporation
- 8.3.14. Good Will Instrument Co., Ltd.
- 8.3.15. Gossen Metrawatt GmbH

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing
- 9.2. Research Attributes

## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Test & Measurement Equipment market, report scope
- TABLE 2. Global Test & Measurement Equipment market estimates & forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global Test & Measurement Equipment market estimates & forecasts by Product 2022-2032 (USD Billion)
- TABLE 4. Global Test & Measurement Equipment market estimates & forecasts by Application 2022-2032 (USD Billion)
- TABLE 5. Global Test & Measurement Equipment market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 6. Global Test & Measurement Equipment market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 7. Global Test & Measurement Equipment market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 8. Global Test & Measurement Equipment market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 9. Global Test & Measurement Equipment market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 10. Global Test & Measurement Equipment market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 11. Global Test & Measurement Equipment market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 12. Global Test & Measurement Equipment market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 13. Global Test & Measurement Equipment market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 14. Global Test & Measurement Equipment market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 15. U.S. Test & Measurement Equipment market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 16. U.S. Test & Measurement Equipment market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 17. U.S. Test & Measurement Equipment market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 18. Canada Test & Measurement Equipment market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Test & Measurement Equipment market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Canada Test & Measurement Equipment market estimates & forecasts by segment 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Test & Measurement Equipment market, research methodology
- FIG 2. Global Test & Measurement Equipment market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Test & Measurement Equipment market, key trends 2023
- FIG 5. Global Test & Measurement Equipment market, growth prospects 2022-2032
- FIG 6. Global Test & Measurement Equipment market, porters 5 force model
- FIG 7. Global Test & Measurement Equipment market, PESTEL analysis
- FIG 8. Global Test & Measurement Equipment market, value chain analysis
- FIG 9. Global Test & Measurement Equipment market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Test & Measurement Equipment market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Test & Measurement Equipment market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Test & Measurement Equipment market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Test & Measurement Equipment market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Test & Measurement Equipment market, regional snapshot 2022 & 2032
- FIG 15. North America Test & Measurement Equipment market 2022 & 2032 (USD Billion)
- FIG 16. Europe Test & Measurement Equipment market 2022 & 2032 (USD Billion)
- FIG 17. Asia-Pacific Test & Measurement Equipment market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Test & Measurement Equipment market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Test & Measurement Equipment market 2022 & 2032 (USD Billion)
- FIG 20. Global Test & Measurement Equipment market, company market share analysis (2023)

.....

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

## I would like to order

Product name: Global Test & Measurement Equipment Market Size Study, by Product (General Purpose Test Equipment, Mechanical Test Equipment), by Services (Calibration Services, Repair or After Sale Services) by Application (Aerospace & Defense, Automotive, Education & Government, Healthcare, Industrial, IT & Telecommunication, Manufacturing, Semiconductor & Electronics), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G07D7C2A1689EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G07D7C2A1689EN.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