

Calibration Services Market Size to Cross USD 9.92 Billion by 2032, at a CAGR of 5.33% | SNS Insider

The Calibration Services Market is growing with demand for precision measurement in industries like healthcare, aerospace, and manufacturing.

AUSTIN, TX, UNITED STATES, February 27, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

As Per the SNS Insider, "The [Calibration Services Market Size](#) was valued at USD 6.22 billion in 2023 and is estimated to reach USD 9.92 billion by 2032, growing at a CAGR of 5.33% during the forecast period of 2024-2032."

The increasing emphasis on quality assurance, stringent regulatory standards, and the adoption of advanced measurement technologies are driving the growth of the calibration services market.

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SWOT Analysis of Key Players as follows:

- Ametek Inc.
- Exfo Inc.
- Carl Zeiss AG
- Testo AG
- Eurofins Scientific
- Intertek Group plc
- Danaher Corporation
- Agilent Technologies (now Keysight Technologies)
- Yokogawa Electric Corporation



The infographic features a blue background with technical icons and a photograph of a person using a precision instrument. Text includes: 'CALIBRATION SERVICES MARKET', 'The Calibration Services Market size was valued at USD 6.22 billion in 2023 and is expected to grow to USD 9.92 billion by 2032 and grow at a CAGR of 5.33% over the forecast period of 2024-2032.', 'REGIONAL ANALYSIS', and 'North America dominates the calibration services market, accounting for approximately 40% of the global share in 2023'. A world map highlights North America.

Calibration Services Market Size & Growth Analysis

- Mitutoyo Corporation
- Honeywell International Inc.
- National Instruments Corporation
- Global Calibration Services Inc.
- Fluke Corporation
- Mettler Toledo International Inc.
- Endress+Hauser
- Bureau Veritas
- Pace Analytical Services
- Kistler Group
- Flir Systems Inc

Key Market Segmentation:

By Proofreading: In-House Calibration Leads, Third-Party Vendors Register Fastest Growth

The in-house calibration services segment dominated the market and accounted for a significant revenue share in 2023 as companies would like to secure their controlling process of the equipment, thus making it more efficient in terms of immediate response and compliance with the internal standards. Certain kinds of enterprises such as aerospace, healthcare, and others that use high-precision equipment and conduct critical operations prefer in-house calibration to reduce downtime and meet quality assurance and other requirements.

The third-party vendor segment is predicted to register the fastest CAGR during the forecast period because it provides cost-efficient solutions, specialized expertise, and the rising trend of outsourcing among enterprises to streamline operations and focus on core competencies. Third-party is increasingly getting into frequent partnerships with companies as an evolving loyalty partner to increase the use of advanced technologies, gain accreditation compliance, and reduce operational costs by becoming an important market opportunity.

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By Service Type: Mechanical Calibration Dominates, Electrical Calibration Registers Fastest Growth

The mechanical calibration segment dominated the market and accounted for a significant revenue share of 35%, mainly because it is widely used in a variety of industries such as industrial equipment, automotive tests, and aerospace components. Mechanical calibration is essential in many industries like manufacturing, construction, and transportation since they heavily depend on equipment like pressure gauges, torque wrenches, and dimensional instruments.

The electrical calibration services are expected to witness the fastest CAGR over the forecast

period, owing to the increasing need for accurate testing of electronic components within sectors such as telecommunications, semiconductors, and consumer electronics. With the increasing complexity of electronic devices, the calibration of oscilloscopes, signal generators, and power meters is also playing a more and more important role. At the same time, the use of automation and AI-powered calibration tools is improving the accuracy and efficiency of electrical calibration services.

By Application: Industrial & Automation Sector Leads, Aerospace & Defense Segment Grows Rapidly

The industrial and automation segment accounts for the largest market share owing to the growing acceptance of automated production methods that need to be accurately calibrated. Calibration services are becoming a part of manufacturing facilities across the globe to improve their performance, reduce production errors, and adhere to compliance while meeting regulatory requirements. Calibration services are embraced by all sections of the industry but to mention a few food & beverage, pharmaceuticals, and automotive industries are the huge adopters of calibration services to ensure consistency in production & reliability in equipment.

The aerospace & defense segment is anticipated to register the fastest CAGR during the forecast period, owing to the stringent quality control measures and safety standards, as well as the rise in demand for high-precision instruments used in military and aviation applications. As avionics, satellite systems, and defense equipment grow in sophistication, the importance of fine-tuning sensors, navigation instruments, and electronic warfare systems is ever-increasing.

By Region: North America Leads, Asia-Pacific Registers Fastest Growth

North America dominated the market and accounted for 40% of revenue share, due to the stringent regulatory standards, increasing technological advancements, and high availability of large calibration service providers in the region. High-precision calibration solutions are essential to meet changing quality assurance requirements for the region's strong aerospace, healthcare, and semiconductor industries.

The Asia-Pacific region is expected to grow at the fastest CAGR during the forecast period due to rapid industrialization, growing investments in quality assurance, and the growth of manufacturing in countries such as China, India, and South Korea. High adoption of Industry 4.0 and growing advancements in telecommunications and semiconductor manufacturing are driving the demand for calibration services in the region

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Recent Developments in the Calibration Services Market

In January 2024, Trescal, a global leader in calibration services, announced the acquisition of 15

calibration companies across Europe, Asia, Oceania, and the Americas. These acquisitions, representing €65 million in sales and 750 employees, aim to enhance Trescal's service offerings and global reach.

In February 2024, Rohde & Schwarz introduced an AI-driven calibration solution designed to improve precision and efficiency in electronic testing. This innovative technology leverages artificial intelligence to provide real-time application awareness, dynamic network shaping, and optimized resource allocation, thereby empowering telecom operators to make informed decisions and enhance overall network performance.

Table of Content - Major Points Analysis

Chapter 1. Introduction

Chapter 2. Executive Summary

Chapter 3. Research Methodology

Chapter 4. Market Dynamics Impact Analysis

Chapter 5. Statistical Insights and Trends Reporting

Chapter 6. Competitive Landscape

Chapter 7. Calibration Services Market Segmentation, by Proofreading

Chapter 8. Calibration Services Market Segmentation, by Service Proofreading

Chapter 9. Calibration Services Market Segmentation, by Application

Chapter 10. Regional Analysis

Chapter 11. Company Profiles

Chapter 12. Use Cases and Best Practices

Chapter 13. Conclusion

Continued...

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