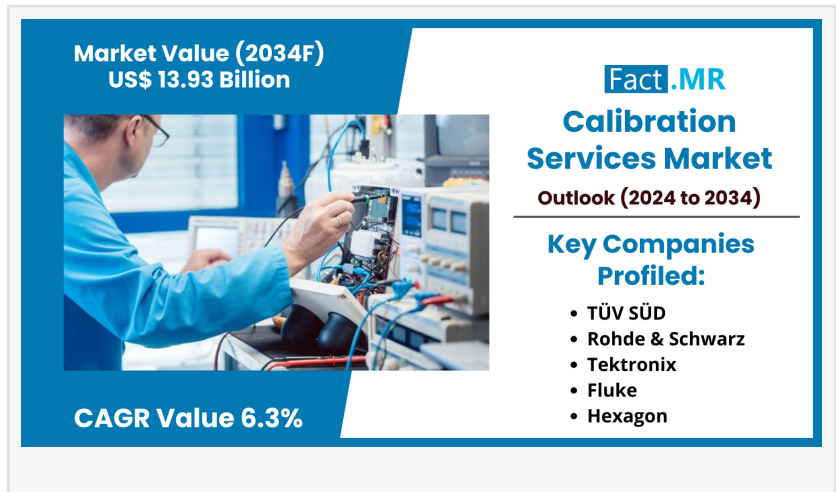


Calibration Services Market Set for 6.3% CAGR Growth, Projected to Reach \$13.93 Billion

Creation of Automated and Remote Systems in Calibration Services Driving Up Adoption in Several Industry Verticals: Fact.MR Report

ROCKVILLE, MD, UNITED STATES, February 11, 2025 /EINPresswire.com/ -- The global [calibration services market](#) is projected to reach US\$ 13.93 billion by the end of 2034, up from US\$ 7.58 billion in 2024, according to a new industry analysis compiled by seasoned analysts at Fact.MR.



Developments in technology, especially the advent of automated and remote calibration systems, are making calibration operations more accessible and efficient. Measurement accuracy and precision are becoming more important due to ongoing technological advancements in many industries. This leads to the increasing complexity of instruments and equipment, increasing the need for regular calibration to ensure their accuracy and reliability. With high-tech applications where even minor errors sometimes result in major issues and because of this calibration services are becoming increasingly important.

North America holds a leading position with a significant global market share of calibration services. The existence of various well-established industries that demand accurate testing and measurement, such as automotive, aerospace, and healthcare is driving up the market expansion in the region. The market in East Asia is expanding at a notable pace as a result of the manufacturing sector expansion and the advancement of infrastructure in various countries.

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Key Takeaways from Market Study

The global calibration services market is forecasted to expand at a CAGR of 6.3% from 2024 to

2034. North America is estimated to account for 35.8% of the global market share in 2024.

The United States is forecasted to account for 69.3% market share in the North American region by 2034. The market in Japan is estimated to expand at a CAGR of 7.6% from 2024 to 2034.

The market in China is projected to generate revenue worth US\$ 1.88 billion by the end of 2034. Based on end-use industry, the electronic manufacturing segment is projected to generate revenue of US\$ 5.42 billion by the end of 2034.

“To stand out from the competition and draw in more customers, leading providers of calibration services are focusing on providing specialized and value-added services to their clients,” says a Fact.MR analyst.

Electrical Calibration Gaining Popularity Across Industries

Electrical calibration is in high demand since it plays such a significant part in electronic equipment and instruments. To guarantee the dependable functioning and security of electrical systems, precise measurement and regulation of electrical characteristics including voltage, current, resistance, and frequency are crucial. Precise electrical calibration is essential in industries including manufacturing, telecommunications, and energy to avoid equipment failure, minimize downtime, and guarantee adherence to strict performance and safety requirements.

The need for remote and automated calibration systems

The need for precise and accurate measurements is growing as a result of ongoing technological improvements in a variety of sectors. Consequently, the complexity of instruments and equipment is increasing, necessitating regular calibration to guarantee their precision and dependability. For high-tech applications, where even little discrepancies might cause serious problems, calibration services are essential. By guaranteeing that equipment satisfies the necessary accuracy criteria, these services assist businesses in maintaining operating efficiency and upholding quality standards.

One major development in the calibration services market is the stricter laws and safety requirements that apply to industries including manufacturing, aerospace and defense, and healthcare. This guarantees that companies adhere to global norms. For example, accurate measurement is necessary in the healthcare industry to prevent misdiagnosis and treatment, and proper calibration of medical devices is critical to treatment efficacy and patient safety.

The high price of specialized equipment and tools

The cost of calibration services can be high, especially for specialized or complicated equipment. The calibration procedure frequently calls for the use of specialist equipment, adherence to thorough instructions, and reliance on professionals' knowledge. Many SMEs may not be able to

afford the expensive fees of these services, particularly when it comes to sophisticated and specialized equipment. These high prices are a major expenditure for SMEs with tight budgets since they require specialized equipment, skilled specialists, and stringent processes.

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Country-specific Perspectives

In 2024, the North American region is expected to hold a 35.8% market share in the global calibration services industry. The existence of several well-known sectors that demand exact measurement and testing, including the automobile, aerospace, and healthcare industries. In 2024, East Asia is predicted to account for 26.7% of the market. The expanding industrial sector and the infrastructure development in a number of nations have an impact on the East Asian market.

Strict regulations in a number of industries, including well-known ones like healthcare, aerospace, automotive, and manufacturing, require precise and accurate measurements to guarantee safety and quality, which is driving up demand for calibration services in the US. To prevent legal fines for non-compliance, these standards are enforced by routine equipment calibration.

The accuracy and quality of Japan's manufacturing industry are highly recognized, reflecting the country's reputation for industrial production expertise. Businesses in Japan must maintain their equipment and have rigorous standards for its functioning. Regular calibration is crucial because it lowers the chance of mistakes in measurements and operations. By regularly calibrating their equipment, manufacturers preserve product consistency and dependability, which are critical for meeting national and international quality requirements.

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[Microgrid as a Service Market](#) According to analysis, the worldwide microgrid as a service market is expected to reach US\$ 2.62 billion in 2025 and grow at a compound annual growth rate (CAGR) of 9.7% through 2035, reaching US\$ 6.6 billion by the end of that year.

[MC, DSP, & IP Core Chip Market](#) The global market for MC, DSP, and IP core chips is expected to generate US\$ 51.34 billion in revenue in 2025 and grow at a compound annual growth rate (CAGR) of 5.3% to reach US\$ 85.73 billion by the end of 2035.

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