+357 96 030922
info@marketpublishers.com

Global Force Sensor Calibration Equipment Market Growth 2026-2032

https://marketpublishers.com/r/GF9229A1F4ACEN.html
Date: October 2026
Pages: 102
Price: US$ 3,660.00 (Single User License)
ID: GF9229A1F4ACEN

Abstracts

The global Force Sensor Calibration Equipment market size is predicted to grow from US$ 60.65 million in 2025 to US$ 92.21 million in 2032; it is expected to grow at a CAGR of 6.1% from 2026 to 2032.

Force sensor calibration equipment comprises dedicated metrology systems used to perform traceable calibration and performance verification of force transducers, load cells, force-proving instruments, force gauges, and related force measurement chains. These systems generate known force values through deadweight, hydraulic amplification, lever amplification, or reference-transducer comparison methods and combine a loading frame, reference standards, signal conditioning, data acquisition, and calibration software to support tension, compression, or multicomponent force calibration. Key purchasing parameters include maximum force capacity, expanded measurement uncertainty or accuracy, tension/compression capability, automation level, number of axes, load stability, and compliance with standards such as ISO 376 and ASTM E74. Core buyers include metrology and calibration laboratories, force sensor and test equipment manufacturers, and users in aerospace, automotive, industrial manufacturing, and research. This study focuses on separately sold force calibration machines, force standard machines, portable calibration systems, and integrated calibration platforms. Typical blended gross margin is around 42%.

Market Trends

Force sensor calibration equipment is shifting from manual loading and separate instrument operation toward closed-loop control, automated loading sequences, automatic data acquisition, and standardized report generation. Routine laboratories increasingly favor reference-transducer or hydraulically loaded transfer-standard

+357 96 030922
info@marketpublishers.com

systems to balance force range, throughput, and capital cost, while primary-standard laboratories continue to rely on deadweight machines for the lowest measurement uncertainty. As six-axis force sensors, humanoid robot joints, aerospace structural testing, and advanced test machines require more complex force measurement, multi-axis loading, combined force-and-moment calibration, automatic alignment, and compensation for temperature and parasitic loads are becoming key high-end upgrade directions. Portable field-calibration systems are also broadening their use.

Drivers

ISO/IEC 17025 laboratory systems and force traceability requirements under standards such as ISO 376 and ASTM E74 continue to support replacement and expansion of calibration infrastructure. At the same time, electrified vehicles, aerospace, industrial automation, and robotics are increasing the use of precision force sensors, expanding in-house calibration demand among sensor manufacturers and test-equipment suppliers.

Restraints

High-accuracy force standard machines require strong structural rigidity, precise axial alignment, stable reference transducers, and controlled environmental conditions. Large-capacity deadweight systems and advanced multi-axis machines also require substantial capital investment, dedicated foundations, maintenance, and periodic traceability, which limits purchase frequency among smaller laboratories.

Opportunities

Multi-axis force/torque sensors, robot joint torque and end-effector force sensors, low-capacity high-sensitivity transducers, and field calibration create opportunities for modular, scalable, and automated calibration platforms. Manufacturing upgrades across Asia are also encouraging more companies to build internal calibration capabilities rather than rely entirely on outsourced services.

Challenges

Actual system performance depends not only on nominal accuracy but also on alignment, parasitic loading, fixture design, and long-term stability of the reference standard, creating meaningful differences in uncertainty control across suppliers. Customized projects often have long delivery and acceptance cycles, while national

+357 96 030922
info@marketpublishers.com

metrology institutes and large industrial users place high value on established traceability systems and proven installed bases, raising barriers for new entrants.

Industry Chain Analysis

Upstream inputs include precision masses, high-stability reference force transducers, servo-hydraulic or electromechanical actuators, high-rigidity frames, precision-machined components, signal conditioners, and data-acquisition modules. Midstream suppliers integrate mechanical design, force realization, control systems, calibration algorithms, and software, and validate complete systems through uncertainty budgets and reference standards. Downstream demand is centered on metrology and calibration laboratories and sensor manufacturers, with additional demand from test-equipment producers, aerospace, automotive, industrial automation, and research institutions. High-end value creation is concentrated in low-uncertainty force realization, axial alignment, wide-range coverage, automation, and long-term traceability support.

Segment Insights

Stationary medium- and high-capacity systems remain the main revenue base, particularly transfer-standard and deadweight machines used by professional metrology laboratories. Low-capacity and portable products carry lower unit values but have shorter purchasing cycles and a broader customer base. Fully automated systems are gaining penetration because value increasingly comes from automatic loading sequences, data acquisition, standard-based evaluation, and reporting software in addition to the mechanical loading frame. Multi-axis systems remain a smaller segment but offer higher technical barriers and unit value, making them an important premium growth direction.

Downstream Market Opportunities

Metrology and calibration organizations remain the most stable specialized buyer group, while sensor and test-equipment manufacturers place greater emphasis on production calibration throughput, range switching, and automation. Automotive, aerospace, and robotics customers show stronger demand for multi-axis, high-accuracy, traceable calibration, pushing equipment from single-force verification toward complete measurement-chain and multicomponent calibration.

Regional Insights

+357 96 030922
info@marketpublishers.com

North America and Europe have mature national metrology systems, third-party calibration laboratories, and high-end sensor industries, supporting a strong installed base of high-accuracy and large-capacity equipment. Asia Pacific is generating faster new-system demand through the manufacturing and test-equipment ecosystems of China, Japan, South Korea, and India. Regional purchasing differences are mainly driven by customer budgets, laboratory accreditation levels, and local service capability: premium markets emphasize uncertainty and long-term stability, while growth markets place greater weight on cost efficiency, automation, and local support.

Competitive Landscape Analysis

The market is specialized and fragmented, with international suppliers differentiating in deadweight primary standards, transfer-standard systems, large-capacity machines, and multi-axis standard machines, while Chinese and Indian suppliers are becoming more competitive in standardized mid- and low-capacity equipment and customized projects. The principal barriers are not simply frame and actuator manufacturing, but traceability-chain design, reference-standard selection, alignment control, uncertainty budgeting, calibration software, and long-term maintenance. Buyers therefore tend to favor suppliers with proven installations and sustained calibration support.

Report Scope

LP Information, Inc. (LPI) ' newest research report, the “Force Sensor Calibration Equipment Industry Forecast” looks at past sales and reviews total world Force Sensor Calibration Equipment sales in 2025, providing a comprehensive analysis by region and market sector of projected Force Sensor Calibration Equipment sales for 2026 through 2032. With Force Sensor Calibration Equipment sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Force Sensor Calibration Equipment industry.

This Insight Report provides a comprehensive analysis of the global Force Sensor Calibration Equipment landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Force Sensor Calibration Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Force Sensor Calibration Equipment market.

+357 96 030922
info@marketpublishers.com

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Force Sensor Calibration Equipment and breaks down the forecast by Maximum Force Capacity, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Force Sensor Calibration Equipment.

This report presents a comprehensive overview, market shares, and growth opportunities of Force Sensor Calibration Equipment market by product type, application, key manufacturers and key regions and countries.

Market Segmentation

Segmentation by Maximum Force Capacity:

Up to 1 kN

Over 1 to 10 kN

Over 10 to 100 kN

Over 100 kN to 1 MN

Over 1 MN

Segmentation by Force Generation Method:

Deadweight Systems

Hydraulic Amplification Systems

Lever Amplification Systems

Reference Transducer Systems

Other Systems

+357 96 030922
info@marketpublishers.com

Segmentation by System Configuration:

Stationary Systems

Portable Systems

Segmentation by Automation Level:

Manual Systems

Semi-Automatic Systems

Fully Automatic Systems

Segmentation by Application:

Metrology and Testing Services

Sensors and Instrumentation

Industrial Machinery and Automation

Automotive and Transportation

Aerospace and Defense

Research and Education

Others

This report also splits the market by region:

Americas

+357 96 030922
info@marketpublishers.com

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

+357 96 030922
info@marketpublishers.com

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Morehouse Instrument

GTM

Tovey Engineering

Interface

Mecmesin

Sushma Industries

Fine Manufacturing Industries

Shanghai Hualong Test Instruments

Jinan Hensgrand Instrument

Key Questions Addressed in this Report

What is the 10-year outlook for the global Force Sensor Calibration Equipment market?

What factors are driving Force Sensor Calibration Equipment market growth,

+357 96 030922
info@marketpublishers.com

globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Force Sensor Calibration Equipment market opportunities vary by end market size?

How does Force Sensor Calibration Equipment break out by Maximum Force Capacity, by Application?

+357 96 030922
info@marketpublishers.com

Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered
1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global Force Sensor Calibration Equipment Annual Sales 2021-2032
  2.1.2 World Current & Future Analysis for Force Sensor Calibration Equipment by Geographic Region, 2021, 2025 & 2032
  2.1.3 World Current & Future Analysis for Force Sensor Calibration Equipment by Country/Region, 2021, 2025 & 2032
2.2 Force Sensor Calibration Equipment Segment by Maximum Force Capacity
  2.2.1 Up to 1 kN
  2.2.2 Over 1 to 10 kN
  2.2.3 Over 10 to 100 kN
  2.2.4 Over 100 kN to 1 MN
  2.2.5 Over 1 MN
  2.2.6 Force Sensor Calibration Equipment Sales by Maximum Force Capacity
    2.2.6.1 Global Force Sensor Calibration Equipment Sales Market Share by Maximum Force Capacity (2021-2026)
    2.2.6.2 Global Force Sensor Calibration Equipment Revenue and Market Share by Maximum Force Capacity (2021-2026)
    2.2.6.3 Global Force Sensor Calibration Equipment Sale Price by Maximum Force Capacity (2021-2026)
2.3 Force Sensor Calibration Equipment Segment by Force Generation Method
  2.3.1 Deadweight Systems
  2.3.2 Hydraulic Amplification Systems
  2.3.3 Lever Amplification Systems
  2.3.4 Reference Transducer Systems

+357 96 030922
info@marketpublishers.com

2.3.5 Other Systems
2.3.6 Force Sensor Calibration Equipment Sales by Force Generation Method
2.3.6.1 Global Force Sensor Calibration Equipment Sales Market Share by Force Generation Method (2021-2026)
2.3.6.2 Global Force Sensor Calibration Equipment Revenue and Market Share by Force Generation Method (2021-2026)
2.3.6.3 Global Force Sensor Calibration Equipment Sale Price by Force Generation Method (2021-2026)
2.4 Force Sensor Calibration Equipment Segment by System Configuration
2.4.1 Stationary Systems
2.4.2 Portable Systems
2.4.3 Force Sensor Calibration Equipment Sales by System Configuration
2.4.3.1 Global Force Sensor Calibration Equipment Sales Market Share by System Configuration (2021-2026)
2.4.3.2 Global Force Sensor Calibration Equipment Revenue and Market Share by System Configuration (2021-2026)
2.4.3.3 Global Force Sensor Calibration Equipment Sale Price by System Configuration (2021-2026)
2.5 Force Sensor Calibration Equipment Segment by Automation Level
2.5.1 Manual Systems
2.5.2 Semi-Automatic Systems
2.5.3 Fully Automatic Systems
2.5.4 Force Sensor Calibration Equipment Sales by Automation Level
2.5.4.1 Global Force Sensor Calibration Equipment Sales Market Share by Automation Level (2021-2026)
2.5.4.2 Global Force Sensor Calibration Equipment Revenue and Market Share by Automation Level (2021-2026)
2.5.4.3 Global Force Sensor Calibration Equipment Sale Price by Automation Level (2021-2026)
2.6 Force Sensor Calibration Equipment Segment by Application
2.6.1 Metrology and Testing Services
2.6.2 Sensors and Instrumentation
2.6.3 Industrial Machinery and Automation
2.6.4 Automotive and Transportation
2.6.5 Aerospace and Defense
2.6.6 Research and Education
2.6.7 Others
2.6.8 Force Sensor Calibration Equipment Sales by Application
2.6.8.1 Global Force Sensor Calibration Equipment Sale Market Share by Application

+357 96 030922
info@marketpublishers.com

(2021-2026)
2.6.8.2 Global Force Sensor Calibration Equipment Revenue and Market Share by Application (2021-2026)
2.6.8.3 Global Force Sensor Calibration Equipment Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Force Sensor Calibration Equipment Breakdown Data by Company
3.1.1 Global Force Sensor Calibration Equipment Annual Sales by Company (2021-2026)
3.1.2 Global Force Sensor Calibration Equipment Sales Market Share by Company (2021-2026)
3.2 Global Force Sensor Calibration Equipment Annual Revenue by Company (2021-2026)
3.2.1 Global Force Sensor Calibration Equipment Revenue by Company (2021-2026)
3.2.2 Global Force Sensor Calibration Equipment Revenue Market Share by Company (2021-2026)
3.3 Global Force Sensor Calibration Equipment Sale Price by Company
3.4 Key Manufacturers Force Sensor Calibration Equipment Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers Force Sensor Calibration Equipment Product Location Distribution
3.4.2 Players Force Sensor Calibration Equipment Products Offered
3.5 Market Concentration Rate Analysis
3.5.1 Competition Landscape Analysis
3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
3.6 New Products and Potential Entrants
3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR FORCE SENSOR CALIBRATION EQUIPMENT BY GEOGRAPHIC REGION

4.1 World Historic Force Sensor Calibration Equipment Market Size by Geographic Region (2021-2026)
4.1.1 Global Force Sensor Calibration Equipment Annual Sales by Geographic Region (2021-2026)
4.1.2 Global Force Sensor Calibration Equipment Annual Revenue by Geographic Region (2021-2026)

+357 96 030922
info@marketpublishers.com

4.2 World Historic Force Sensor Calibration Equipment Market Size by Country/Region (2021-2026)
4.2.1 Global Force Sensor Calibration Equipment Annual Sales by Country/Region (2021-2026)
4.2.2 Global Force Sensor Calibration Equipment Annual Revenue by Country/Region (2021-2026)
4.3 Americas Force Sensor Calibration Equipment Sales Growth
4.4 APAC Force Sensor Calibration Equipment Sales Growth
4.5 Europe Force Sensor Calibration Equipment Sales Growth
4.6 Middle East & Africa Force Sensor Calibration Equipment Sales Growth

5 AMERICAS

5.1 Americas Force Sensor Calibration Equipment Sales by Country
5.1.1 Americas Force Sensor Calibration Equipment Sales by Country (2021-2026)
5.1.2 Americas Force Sensor Calibration Equipment Revenue by Country (2021-2026)
5.2 Americas Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026)
5.3 Americas Force Sensor Calibration Equipment Sales by Application (2021-2026)
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC Force Sensor Calibration Equipment Sales by Region
6.1.1 APAC Force Sensor Calibration Equipment Sales by Region (2021-2026)
6.1.2 APAC Force Sensor Calibration Equipment Revenue by Region (2021-2026)
6.2 APAC Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026)
6.3 APAC Force Sensor Calibration Equipment Sales by Application (2021-2026)
6.4 China
6.5 Japan
6.6 South Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 China Taiwan

+357 96 030922
info@marketpublishers.com

7 EUROPE

7.1 Europe Force Sensor Calibration Equipment by Country
  7.1.1 Europe Force Sensor Calibration Equipment Sales by Country (2021-2026)
  7.1.2 Europe Force Sensor Calibration Equipment Revenue by Country (2021-2026)
7.2 Europe Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026)
7.3 Europe Force Sensor Calibration Equipment Sales by Application (2021-2026)
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Force Sensor Calibration Equipment by Country
  8.1.1 Middle East & Africa Force Sensor Calibration Equipment Sales by Country (2021-2026)
  8.1.2 Middle East & Africa Force Sensor Calibration Equipment Revenue by Country (2021-2026)
8.2 Middle East & Africa Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026)
8.3 Middle East & Africa Force Sensor Calibration Equipment Sales by Application (2021-2026)
8.4 Egypt
8.5 South Africa
8.6 Israel
8.7 Turkey
8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

+357 96 030922
info@marketpublishers.com

10.1 Raw Material and Suppliers
10.2 Manufacturing Cost Structure Analysis of Force Sensor Calibration Equipment
10.3 Manufacturing Process Analysis of Force Sensor Calibration Equipment
10.4 Industry Chain Structure of Force Sensor Calibration Equipment

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
  11.1.1 Direct Channels
  11.1.2 Indirect Channels
11.2 Force Sensor Calibration Equipment Distributors
11.3 Force Sensor Calibration Equipment Customer

12 WORLD FORECAST REVIEW FOR FORCE SENSOR CALIBRATION EQUIPMENT BY GEOGRAPHIC REGION

12.1 Global Force Sensor Calibration Equipment Market Size Forecast by Region
  12.1.1 Global Force Sensor Calibration Equipment Forecast by Region (2027-2032)
  12.1.2 Global Force Sensor Calibration Equipment Annual Revenue Forecast by Region (2027-2032)
12.2 Americas Forecast by Country (2027-2032)
12.3 APAC Forecast by Region (2027-2032)
12.4 Europe Forecast by Country (2027-2032)
12.5 Middle East & Africa Forecast by Country (2027-2032)
12.6 Global Force Sensor Calibration Equipment Forecast by Maximum Force Capacity (2027-2032)
12.7 Global Force Sensor Calibration Equipment Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Morehouse Instrument
  13.1.1 Morehouse Instrument Company Information
  13.1.2 Morehouse Instrument Force Sensor Calibration Equipment Product Portfolios and Specifications
  13.1.3 Morehouse Instrument Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
  13.1.4 Morehouse Instrument Main Business Overview
  13.1.5 Morehouse Instrument Latest Developments

+357 96 030922
info@marketpublishers.com

13.2 GTM
13.2.1 GTM Company Information
13.2.2 GTM Force Sensor Calibration Equipment Product Portfolios and Specifications
13.2.3 GTM Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.2.4 GTM Main Business Overview
13.2.5 GTM Latest Developments
13.3 Tovey Engineering
13.3.1 Tovey Engineering Company Information
13.3.2 Tovey Engineering Force Sensor Calibration Equipment Product Portfolios and Specifications
13.3.3 Tovey Engineering Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.3.4 Tovey Engineering Main Business Overview
13.3.5 Tovey Engineering Latest Developments
13.4 Interface
13.4.1 Interface Company Information
13.4.2 Interface Force Sensor Calibration Equipment Product Portfolios and Specifications
13.4.3 Interface Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.4.4 Interface Main Business Overview
13.4.5 Interface Latest Developments
13.5 Mecmesin
13.5.1 Mecmesin Company Information
13.5.2 Mecmesin Force Sensor Calibration Equipment Product Portfolios and Specifications
13.5.3 Mecmesin Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.5.4 Mecmesin Main Business Overview
13.5.5 Mecmesin Latest Developments
13.6 Sushma Industries
13.6.1 Sushma Industries Company Information
13.6.2 Sushma Industries Force Sensor Calibration Equipment Product Portfolios and Specifications
13.6.3 Sushma Industries Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.6.4 Sushma Industries Main Business Overview
13.6.5 Sushma Industries Latest Developments

+357 96 030922
info@marketpublishers.com

13.7 Fine Manufacturing Industries
13.7.1 Fine Manufacturing Industries Company Information
13.7.2 Fine Manufacturing Industries Force Sensor Calibration Equipment Product Portfolios and Specifications
13.7.3 Fine Manufacturing Industries Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.7.4 Fine Manufacturing Industries Main Business Overview
13.7.5 Fine Manufacturing Industries Latest Developments
13.8 Shanghai Hualong Test Instruments
13.8.1 Shanghai Hualong Test Instruments Company Information
13.8.2 Shanghai Hualong Test Instruments Force Sensor Calibration Equipment Product Portfolios and Specifications
13.8.3 Shanghai Hualong Test Instruments Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.8.4 Shanghai Hualong Test Instruments Main Business Overview
13.8.5 Shanghai Hualong Test Instruments Latest Developments
13.9 Jinan Hensgrand Instrument
13.9.1 Jinan Hensgrand Instrument Company Information
13.9.2 Jinan Hensgrand Instrument Force Sensor Calibration Equipment Product Portfolios and Specifications
13.9.3 Jinan Hensgrand Instrument Force Sensor Calibration Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
13.9.4 Jinan Hensgrand Instrument Main Business Overview
13.9.5 Jinan Hensgrand Instrument Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Force Sensor Calibration Equipment Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & ($ millions)
Table 2. Force Sensor Calibration Equipment Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & ($ millions)
Table 3. Major Players of Up to 1 kN
Table 4. Major Players of Over 1 to 10 kN
Table 5. Major Players of Over 10 to 100 kN
Table 6. Major Players of Over 100 kN to 1 MN
Table 7. Major Players of Over 1 MN
Table 8. Global Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026) & (Units)
Table 9. Global Force Sensor Calibration Equipment Sales Market Share by Maximum Force Capacity (2021-2026)
Table 10. Global Force Sensor Calibration Equipment Revenue by Maximum Force Capacity (2021-2026) & ($ million)
Table 11. Global Force Sensor Calibration Equipment Revenue Market Share by Maximum Force Capacity (2021-2026)
Table 12. Global Force Sensor Calibration Equipment Sale Price by Maximum Force Capacity (2021-2026) & (US$/Unit)
Table 13. Major Players of Deadweight Systems
Table 14. Major Players of Hydraulic Amplification Systems
Table 15. Major Players of Lever Amplification Systems
Table 16. Major Players of Reference Transducer Systems
Table 17. Major Players of Other Systems
Table 18. Global Force Sensor Calibration Equipment Sales by Force Generation Method (2021-2026) & (Units)
Table 19. Global Force Sensor Calibration Equipment Sales Market Share by Force Generation Method (2021-2026)
Table 20. Global Force Sensor Calibration Equipment Revenue by Force Generation Method (2021-2026) & ($ million)
Table 21. Global Force Sensor Calibration Equipment Revenue Market Share by Force Generation Method (2021-2026)
Table 22. Global Force Sensor Calibration Equipment Sale Price by Force Generation Method (2021-2026) & (US$/Unit)
Table 23. Major Players of Stationary Systems

+357 96 030922
info@marketpublishers.com

Table 24. Major Players of Portable Systems
Table 25. Global Force Sensor Calibration Equipment Sales by System Configuration (2021-2026) & (Units)
Table 26. Global Force Sensor Calibration Equipment Sales Market Share by System Configuration (2021-2026)
Table 27. Global Force Sensor Calibration Equipment Revenue by System Configuration (2021-2026) & ($ million)
Table 28. Global Force Sensor Calibration Equipment Revenue Market Share by System Configuration (2021-2026)
Table 29. Global Force Sensor Calibration Equipment Sale Price by System Configuration (2021-2026) & (US$/Unit)
Table 30. Major Players of Manual Systems
Table 31. Major Players of Semi-Automatic Systems
Table 32. Major Players of Fully Automatic Systems
Table 33. Global Force Sensor Calibration Equipment Sales by Automation Level (2021-2026) & (Units)
Table 34. Global Force Sensor Calibration Equipment Sales Market Share by Automation Level (2021-2026)
Table 35. Global Force Sensor Calibration Equipment Revenue by Automation Level (2021-2026) & ($ million)
Table 36. Global Force Sensor Calibration Equipment Revenue Market Share by Automation Level (2021-2026)
Table 37. Global Force Sensor Calibration Equipment Sale Price by Automation Level (2021-2026) & (US$/Unit)
Table 38. Global Force Sensor Calibration Equipment Sale by Application (2021-2026) & (Units)
Table 39. Global Force Sensor Calibration Equipment Sale Market Share by Application (2021-2026)
Table 40. Global Force Sensor Calibration Equipment Revenue by Application (2021-2026) & ($ million)
Table 41. Global Force Sensor Calibration Equipment Revenue Market Share by Application (2021-2026)
Table 42. Global Force Sensor Calibration Equipment Sale Price by Application (2021-2026) & (US$/Unit)
Table 43. Global Force Sensor Calibration Equipment Sales by Company (2021-2026) & (Units)
Table 44. Global Force Sensor Calibration Equipment Sales Market Share by Company (2021-2026)
Table 45. Global Force Sensor Calibration Equipment Revenue by Company

+357 96 030922
info@marketpublishers.com

(2021-2026) & ($ millions)
Table 46. Global Force Sensor Calibration Equipment Revenue Market Share by Company (2021-2026)
Table 47. Global Force Sensor Calibration Equipment Sale Price by Company (2021-2026) & (US$/Unit)
Table 48. Key Manufacturers Force Sensor Calibration Equipment Producing Area Distribution and Sales Area
Table 49. Players Force Sensor Calibration Equipment Products Offered
Table 50. Force Sensor Calibration Equipment Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 51. New Products and Potential Entrants
Table 52. Market M&A Activity & Strategy
Table 53. Global Force Sensor Calibration Equipment Sales by Geographic Region (2021-2026) & (Units)
Table 54. Global Force Sensor Calibration Equipment Sales Market Share Geographic Region (2021-2026)
Table 55. Global Force Sensor Calibration Equipment Revenue by Geographic Region (2021-2026) & ($ millions)
Table 56. Global Force Sensor Calibration Equipment Revenue Market Share by Geographic Region (2021-2026)
Table 57. Global Force Sensor Calibration Equipment Sales by Country/Region (2021-2026) & (Units)
Table 58. Global Force Sensor Calibration Equipment Sales Market Share by Country/Region (2021-2026)
Table 59. Global Force Sensor Calibration Equipment Revenue by Country/Region (2021-2026) & ($ millions)
Table 60. Global Force Sensor Calibration Equipment Revenue Market Share by Country/Region (2021-2026)
Table 61. Americas Force Sensor Calibration Equipment Sales by Country (2021-2026) & (Units)
Table 62. Americas Force Sensor Calibration Equipment Sales Market Share by Country (2021-2026)
Table 63. Americas Force Sensor Calibration Equipment Revenue by Country (2021-2026) & ($ millions)
Table 64. Americas Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026) & (Units)
Table 65. Americas Force Sensor Calibration Equipment Sales by Application (2021-2026) & (Units)
Table 66. APAC Force Sensor Calibration Equipment Sales by Region (2021-2026) &

+357 96 030922
info@marketpublishers.com

(Units)
Table 67. APAC Force Sensor Calibration Equipment Sales Market Share by Region (2021-2026)
Table 68. APAC Force Sensor Calibration Equipment Revenue by Region (2021-2026) & ($ millions)
Table 69. APAC Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026) & (Units)
Table 70. APAC Force Sensor Calibration Equipment Sales by Application (2021-2026) & (Units)
Table 71. Europe Force Sensor Calibration Equipment Sales by Country (2021-2026) & (Units)
Table 72. Europe Force Sensor Calibration Equipment Revenue by Country (2021-2026) & ($ millions)
Table 73. Europe Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026) & (Units)
Table 74. Europe Force Sensor Calibration Equipment Sales by Application (2021-2026) & (Units)
Table 75. Middle East & Africa Force Sensor Calibration Equipment Sales by Country (2021-2026) & (Units)
Table 76. Middle East & Africa Force Sensor Calibration Equipment Revenue Market Share by Country (2021-2026)
Table 77. Middle East & Africa Force Sensor Calibration Equipment Sales by Maximum Force Capacity (2021-2026) & (Units)
Table 78. Middle East & Africa Force Sensor Calibration Equipment Sales by Application (2021-2026) & (Units)
Table 79. Key Market Drivers & Growth Opportunities of Force Sensor Calibration Equipment
Table 80. Key Market Challenges & Risks of Force Sensor Calibration Equipment
Table 81. Key Industry Trends of Force Sensor Calibration Equipment
Table 82. Force Sensor Calibration Equipment Raw Material
Table 83. Key Suppliers of Raw Materials
Table 84. Force Sensor Calibration Equipment Distributors List
Table 85. Force Sensor Calibration Equipment Customer List
Table 86. Global Force Sensor Calibration Equipment Sales Forecast by Region (2027-2032) & (Units)
Table 87. Global Force Sensor Calibration Equipment Revenue Forecast by Region (2027-2032) & ($ millions)
Table 88. Americas Force Sensor Calibration Equipment Sales Forecast by Country (2027-2032) & (Units)

+357 96 030922
info@marketpublishers.com

Table 89. Americas Force Sensor Calibration Equipment Annual Revenue Forecast by Country (2027-2032) & ($ millions)
Table 90. APAC Force Sensor Calibration Equipment Sales Forecast by Region (2027-2032) & (Units)
Table 91. APAC Force Sensor Calibration Equipment Annual Revenue Forecast by Region (2027-2032) & ($ millions)
Table 92. Europe Force Sensor Calibration Equipment Sales Forecast by Country (2027-2032) & (Units)
Table 93. Europe Force Sensor Calibration Equipment Revenue Forecast by Country (2027-2032) & ($ millions)
Table 94. Middle East & Africa Force Sensor Calibration Equipment Sales Forecast by Country (2027-2032) & (Units)
Table 95. Middle East & Africa Force Sensor Calibration Equipment Revenue Forecast by Country (2027-2032) & ($ millions)
Table 96. Global Force Sensor Calibration Equipment Sales Forecast by Maximum Force Capacity (2027-2032) & (Units)
Table 97. Global Force Sensor Calibration Equipment Revenue Forecast by Maximum Force Capacity (2027-2032) & ($ millions)
Table 98. Global Force Sensor Calibration Equipment Sales Forecast by Application (2027-2032) & (Units)
Table 99. Global Force Sensor Calibration Equipment Revenue Forecast by Application (2027-2032) & ($ millions)
Table 100. Morehouse Instrument Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 101. Morehouse Instrument Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 102. Morehouse Instrument Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 103. Morehouse Instrument Main Business
Table 104. Morehouse Instrument Latest Developments
Table 105. GTM Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 106. GTM Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 107. GTM Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 108. GTM Main Business
Table 109. GTM Latest Developments
Table 110. Tovey Engineering Basic Information, Force Sensor Calibration Equipment

+357 96 030922
info@marketpublishers.com

Manufacturing Base, Sales Area and Its Competitors
Table 111. Tovey Engineering Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 112. Tovey Engineering Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 113. Tovey Engineering Main Business
Table 114. Tovey Engineering Latest Developments
Table 115. Interface Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 116. Interface Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 117. Interface Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 118. Interface Main Business
Table 119. Interface Latest Developments
Table 120. Mecmesin Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 121. Mecmesin Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 122. Mecmesin Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 123. Mecmesin Main Business
Table 124. Mecmesin Latest Developments
Table 125. Sushma Industries Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 126. Sushma Industries Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 127. Sushma Industries Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 128. Sushma Industries Main Business
Table 129. Sushma Industries Latest Developments
Table 130. Fine Manufacturing Industries Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 131. Fine Manufacturing Industries Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 132. Fine Manufacturing Industries Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 133. Fine Manufacturing Industries Main Business
Table 134. Fine Manufacturing Industries Latest Developments

+357 96 030922
info@marketpublishers.com

Table 135. Shanghai Hualong Test Instruments Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 136. Shanghai Hualong Test Instruments Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 137. Shanghai Hualong Test Instruments Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 138. Shanghai Hualong Test Instruments Main Business
Table 139. Shanghai Hualong Test Instruments Latest Developments
Table 140. Jinan Hensgrand Instrument Basic Information, Force Sensor Calibration Equipment Manufacturing Base, Sales Area and Its Competitors
Table 141. Jinan Hensgrand Instrument Force Sensor Calibration Equipment Product Portfolios and Specifications
Table 142. Jinan Hensgrand Instrument Force Sensor Calibration Equipment Sales (Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 143. Jinan Hensgrand Instrument Main Business
Table 144. Jinan Hensgrand Instrument Latest Developments

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Force Sensor Calibration Equipment
Figure 2. Force Sensor Calibration Equipment Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global Force Sensor Calibration Equipment Sales Growth Rate 2021-2032 (Units)
Figure 7. Global Force Sensor Calibration Equipment Revenue Growth Rate 2021-2032 ($ millions)
Figure 8. Force Sensor Calibration Equipment Sales by Geographic Region (2021, 2025 & 2032) & ($ millions)
Figure 9. Force Sensor Calibration Equipment Sales Market Share by Country/Region (2025)
Figure 10. Force Sensor Calibration Equipment Sales Market Share by Country/Region (2021, 2025 & 2032)
Figure 11. Product Picture of Up to 1 kN
Figure 12. Product Picture of Over 1 to 10 kN
Figure 13. Product Picture of Over 10 to 100 kN
Figure 14. Product Picture of Over 100 kN to 1 MN
Figure 15. Product Picture of Over 1 MN
Figure 16. Global Force Sensor Calibration Equipment Sales Market Share by Maximum Force Capacity in 2026
Figure 17. Global Force Sensor Calibration Equipment Revenue Market Share by Maximum Force Capacity (2021-2026)
Figure 18. Product Picture of Deadweight Systems
Figure 19. Product Picture of Hydraulic Amplification Systems
Figure 20. Product Picture of Lever Amplification Systems
Figure 21. Product Picture of Reference Transducer Systems
Figure 22. Product Picture of Other Systems
Figure 23. Global Force Sensor Calibration Equipment Sales Market Share by Force Generation Method in 2026
Figure 24. Global Force Sensor Calibration Equipment Revenue Market Share by Force Generation Method (2021-2026)
Figure 25. Product Picture of Stationary Systems
Figure 26. Product Picture of Portable Systems

+357 96 030922
info@marketpublishers.com

Figure 27. Global Force Sensor Calibration Equipment Sales Market Share by System Configuration in 2026
Figure 28. Global Force Sensor Calibration Equipment Revenue Market Share by System Configuration (2021-2026)
Figure 29. Product Picture of Manual Systems
Figure 30. Product Picture of Semi-Automatic Systems
Figure 31. Product Picture of Fully Automatic Systems
Figure 32. Global Force Sensor Calibration Equipment Sales Market Share by Automation Level in 2026
Figure 33. Global Force Sensor Calibration Equipment Revenue Market Share by Automation Level (2021-2026)
Figure 34. Force Sensor Calibration Equipment Consumed in Metrology and Testing Services
Figure 35. Global Force Sensor Calibration Equipment Market: Metrology and Testing Services (2021-2026) & (Units)
Figure 36. Force Sensor Calibration Equipment Consumed in Sensors and Instrumentation
Figure 37. Global Force Sensor Calibration Equipment Market: Sensors and Instrumentation (2021-2026) & (Units)
Figure 38. Force Sensor Calibration Equipment Consumed in Industrial Machinery and Automation
Figure 39. Global Force Sensor Calibration Equipment Market: Industrial Machinery and Automation (2021-2026) & (Units)
Figure 40. Force Sensor Calibration Equipment Consumed in Automotive and Transportation
Figure 41. Global Force Sensor Calibration Equipment Market: Automotive and Transportation (2021-2026) & (Units)
Figure 42. Force Sensor Calibration Equipment Consumed in Aerospace and Defense
Figure 43. Global Force Sensor Calibration Equipment Market: Aerospace and Defense (2021-2026) & (Units)
Figure 44. Force Sensor Calibration Equipment Consumed in Research and Education
Figure 45. Global Force Sensor Calibration Equipment Market: Research and Education (2021-2026) & (Units)
Figure 46. Force Sensor Calibration Equipment Consumed in Others
Figure 47. Global Force Sensor Calibration Equipment Market: Others (2021-2026) & (Units)
Figure 48. Global Force Sensor Calibration Equipment Sale Market Share by Application (2025)
Figure 49. Global Force Sensor Calibration Equipment Revenue Market Share by

+357 96 030922
info@marketpublishers.com

Application in 2025
Figure 50. Force Sensor Calibration Equipment Sales by Company in 2025 (Units)
Figure 51. Global Force Sensor Calibration Equipment Sales Market Share by Company in 2025
Figure 52. Force Sensor Calibration Equipment Revenue by Company in 2025 ($ millions)
Figure 53. Global Force Sensor Calibration Equipment Revenue Market Share by Company in 2025
Figure 54. Global Force Sensor Calibration Equipment Sales Market Share by Geographic Region (2021-2026)
Figure 55. Global Force Sensor Calibration Equipment Revenue Market Share by Geographic Region in 2025
Figure 56. Americas Force Sensor Calibration Equipment Sales 2021-2026 (Units)
Figure 57. Americas Force Sensor Calibration Equipment Revenue 2021-2026 ($ millions)
Figure 58. APAC Force Sensor Calibration Equipment Sales 2021-2026 (Units)
Figure 59. APAC Force Sensor Calibration Equipment Revenue 2021-2026 ($ millions)
Figure 60. Europe Force Sensor Calibration Equipment Sales 2021-2026 (Units)
Figure 61. Europe Force Sensor Calibration Equipment Revenue 2021-2026 ($ millions)
Figure 62. Middle East & Africa Force Sensor Calibration Equipment Sales 2021-2026 (Units)
Figure 63. Middle East & Africa Force Sensor Calibration Equipment Revenue 2021-2026 ($ millions)
Figure 64. Americas Force Sensor Calibration Equipment Sales Market Share by Country in 2025
Figure 65. Americas Force Sensor Calibration Equipment Revenue Market Share by Country (2021-2026)
Figure 66. Americas Force Sensor Calibration Equipment Sales Market Share by Maximum Force Capacity (2021-2026)
Figure 67. Americas Force Sensor Calibration Equipment Sales Market Share by Application (2021-2026)
Figure 68. United States Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 69. Canada Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 70. Mexico Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 71. Brazil Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)

+357 96 030922
info@marketpublishers.com

Figure 72. APAC Force Sensor Calibration Equipment Sales Market Share by Region in 2025
Figure 73. APAC Force Sensor Calibration Equipment Revenue Market Share by Region (2021-2026)
Figure 74. APAC Force Sensor Calibration Equipment Sales Market Share by Maximum Force Capacity (2021-2026)
Figure 75. APAC Force Sensor Calibration Equipment Sales Market Share by Application (2021-2026)
Figure 76. China Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 77. Japan Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 78. South Korea Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 79. Southeast Asia Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 80. India Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 81. Australia Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 82. China Taiwan Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 83. Europe Force Sensor Calibration Equipment Sales Market Share by Country in 2025
Figure 84. Europe Force Sensor Calibration Equipment Revenue Market Share by Country (2021-2026)
Figure 85. Europe Force Sensor Calibration Equipment Sales Market Share by Maximum Force Capacity (2021-2026)
Figure 86. Europe Force Sensor Calibration Equipment Sales Market Share by Application (2021-2026)
Figure 87. Germany Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 88. France Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 89. UK Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 90. Italy Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 91. Russia Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($

+357 96 030922
info@marketpublishers.com

millions)
Figure 92. Middle East & Africa Force Sensor Calibration Equipment Sales Market Share by Country (2021-2026)
Figure 93. Middle East & Africa Force Sensor Calibration Equipment Sales Market Share by Maximum Force Capacity (2021-2026)
Figure 94. Middle East & Africa Force Sensor Calibration Equipment Sales Market Share by Application (2021-2026)
Figure 95. Egypt Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 96. South Africa Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 97. Israel Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 98. Turkey Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 99. GCC Countries Force Sensor Calibration Equipment Revenue Growth 2021-2026 ($ millions)
Figure 100. Manufacturing Cost Structure Analysis of Force Sensor Calibration Equipment in 2026
Figure 101. Manufacturing Process Analysis of Force Sensor Calibration Equipment
Figure 102. Industry Chain Structure of Force Sensor Calibration Equipment
Figure 103. Channels of Distribution
Figure 104. Global Force Sensor Calibration Equipment Sales Market Forecast by Region (2027-2032)
Figure 105. Global Force Sensor Calibration Equipment Revenue Market Share Forecast by Region (2027-2032)
Figure 106. Global Force Sensor Calibration Equipment Sales Market Share Forecast by Maximum Force Capacity (2027-2032)
Figure 107. Global Force Sensor Calibration Equipment Revenue Market Share Forecast by Maximum Force Capacity (2027-2032)
Figure 108. Global Force Sensor Calibration Equipment Sales Market Share Forecast by Application (2027-2032)
Figure 109. Global Force Sensor Calibration Equipment Revenue Market Share Forecast by Application (2027-2032)

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Force Sensor Calibration Equipment Market Growth 2026-2032
Product link: https://marketpublishers.com/r/GF9229A1F4ACEN.html
Price: US$ 3,660.00 (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/GF9229A1F4ACEN.html