

Global Multi-axis Force Torque Sensor Market Research Report 2024(Status and Outlook)

https://marketpublishers.com/r/G0832C3823FAEN.html

Date: January 2024 Pages: 139 Price: US\$ 3,200.00 (Single User License) ID: G0832C3823FAEN

Abstracts

Report Overview

an electronic device that is designed to monitor, detect, record and regulate linear and rotational forces

This report provides a deep insight into the global Multi-axis Force Torque Sensor market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Multi-axis Force Torque Sensor Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Multi-axis Force Torque Sensor market in any manner.

Global Multi-axis Force Torque Sensor Market: Market Segmentation Analysis



The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

ATI Industrial Automation, Inc.

OnRobot

FANUC America Corporation

Universal Robots

Nordbo Robotics A/S

Althen

HBK

Metromatics

Kistler Group

A-TECH INSTRUMENTS LTD.

Minebea Mitsumi Inc.

GTM Testing and Metrology GmbH

ABB

Crane Electronics

FUTEK Advanced Sensor Technology

Global Multi-axis Force Torque Sensor Market Research Report 2024(Status and Outlook)



Applied Measurements

Market Segmentation (by Type)

3 Axis

6 Axis

Market Segmentation (by Application)

Machinery

Industria

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments



Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Multi-axis Force Torque Sensor Market

Overview of the regional outlook of the Multi-axis Force Torque Sensor Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled



Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Multi-axis Force Torque Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.



Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.



Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Multi-axis Force Torque Sensor
- 1.2 Key Market Segments
- 1.2.1 Multi-axis Force Torque Sensor Segment by Type
- 1.2.2 Multi-axis Force Torque Sensor Segment by Application
- 1.3 Methodology & Sources of Information
- 1.3.1 Research Methodology
- 1.3.2 Research Process
- 1.3.3 Market Breakdown and Data Triangulation
- 1.3.4 Base Year
- 1.3.5 Report Assumptions & Caveats

2 MULTI-AXIS FORCE TORQUE SENSOR MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Multi-axis Force Torque Sensor Market Size (M USD) Estimates and Forecasts (2019-2030)

2.1.2 Global Multi-axis Force Torque Sensor Sales Estimates and Forecasts (2019-2030)

- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 MULTI-AXIS FORCE TORQUE SENSOR MARKET COMPETITIVE LANDSCAPE

3.1 Global Multi-axis Force Torque Sensor Sales by Manufacturers (2019-2024)

3.2 Global Multi-axis Force Torque Sensor Revenue Market Share by Manufacturers (2019-2024)

3.3 Multi-axis Force Torque Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global Multi-axis Force Torque Sensor Average Price by Manufacturers (2019-2024)

3.5 Manufacturers Multi-axis Force Torque Sensor Sales Sites, Area Served, Product Type

3.6 Multi-axis Force Torque Sensor Market Competitive Situation and Trends

- 3.6.1 Multi-axis Force Torque Sensor Market Concentration Rate
- 3.6.2 Global 5 and 10 Largest Multi-axis Force Torque Sensor Players Market Share



by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 MULTI-AXIS FORCE TORQUE SENSOR INDUSTRY CHAIN ANALYSIS

- 4.1 Multi-axis Force Torque Sensor Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF MULTI-AXIS FORCE TORQUE SENSOR MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
 - 5.5.2 Mergers & Acquisitions
 - 5.5.3 Expansions
- 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 MULTI-AXIS FORCE TORQUE SENSOR MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Multi-axis Force Torque Sensor Sales Market Share by Type (2019-2024)

6.3 Global Multi-axis Force Torque Sensor Market Size Market Share by Type (2019-2024)

6.4 Global Multi-axis Force Torque Sensor Price by Type (2019-2024)

7 MULTI-AXIS FORCE TORQUE SENSOR MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)
7.2 Global Multi-axis Force Torque Sensor Market Sales by Application (2019-2024)
7.3 Global Multi-axis Force Torque Sensor Market Size (M USD) by Application
(2019-2024)



7.4 Global Multi-axis Force Torque Sensor Sales Growth Rate by Application (2019-2024)

8 MULTI-AXIS FORCE TORQUE SENSOR MARKET SEGMENTATION BY REGION

- 8.1 Global Multi-axis Force Torque Sensor Sales by Region
- 8.1.1 Global Multi-axis Force Torque Sensor Sales by Region
- 8.1.2 Global Multi-axis Force Torque Sensor Sales Market Share by Region
- 8.2 North America
 - 8.2.1 North America Multi-axis Force Torque Sensor Sales by Country
 - 8.2.2 U.S.
 - 8.2.3 Canada
 - 8.2.4 Mexico
- 8.3 Europe
 - 8.3.1 Europe Multi-axis Force Torque Sensor Sales by Country
 - 8.3.2 Germany
 - 8.3.3 France
 - 8.3.4 U.K.
 - 8.3.5 Italy
 - 8.3.6 Russia
- 8.4 Asia Pacific
 - 8.4.1 Asia Pacific Multi-axis Force Torque Sensor Sales by Region
 - 8.4.2 China
 - 8.4.3 Japan
 - 8.4.4 South Korea
 - 8.4.5 India
 - 8.4.6 Southeast Asia
- 8.5 South America
 - 8.5.1 South America Multi-axis Force Torque Sensor Sales by Country
 - 8.5.2 Brazil
 - 8.5.3 Argentina
- 8.5.4 Columbia
- 8.6 Middle East and Africa
 - 8.6.1 Middle East and Africa Multi-axis Force Torque Sensor Sales by Region
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE
 - 8.6.4 Egypt
 - 8.6.5 Nigeria
 - 8.6.6 South Africa



9 KEY COMPANIES PROFILE

- 9.1 ATI Industrial Automation, Inc.
- 9.1.1 ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor Basic Information
- 9.1.2 ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor Product Overview
- 9.1.3 ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor Product Market Performance
- 9.1.4 ATI Industrial Automation, Inc. Business Overview
- 9.1.5 ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor SWOT Analysis
- 9.1.6 ATI Industrial Automation, Inc. Recent Developments

9.2 OnRobot

- 9.2.1 OnRobot Multi-axis Force Torque Sensor Basic Information
- 9.2.2 OnRobot Multi-axis Force Torque Sensor Product Overview
- 9.2.3 OnRobot Multi-axis Force Torque Sensor Product Market Performance
- 9.2.4 OnRobot Business Overview
- 9.2.5 OnRobot Multi-axis Force Torque Sensor SWOT Analysis
- 9.2.6 OnRobot Recent Developments

9.3 FANUC America Corporation

- 9.3.1 FANUC America Corporation Multi-axis Force Torque Sensor Basic Information
- 9.3.2 FANUC America Corporation Multi-axis Force Torque Sensor Product Overview

9.3.3 FANUC America Corporation Multi-axis Force Torque Sensor Product Market Performance

9.3.4 FANUC America Corporation Multi-axis Force Torque Sensor SWOT Analysis

- 9.3.5 FANUC America Corporation Business Overview
- 9.3.6 FANUC America Corporation Recent Developments

9.4 Universal Robots

- 9.4.1 Universal Robots Multi-axis Force Torque Sensor Basic Information
- 9.4.2 Universal Robots Multi-axis Force Torque Sensor Product Overview
- 9.4.3 Universal Robots Multi-axis Force Torque Sensor Product Market Performance
- 9.4.4 Universal Robots Business Overview
- 9.4.5 Universal Robots Recent Developments
- 9.5 Nordbo Robotics A/S
 - 9.5.1 Nordbo Robotics A/S Multi-axis Force Torque Sensor Basic Information
 - 9.5.2 Nordbo Robotics A/S Multi-axis Force Torque Sensor Product Overview

9.5.3 Nordbo Robotics A/S Multi-axis Force Torque Sensor Product Market Performance

- 9.5.4 Nordbo Robotics A/S Business Overview
- 9.5.5 Nordbo Robotics A/S Recent Developments



9.6 Althen

- 9.6.1 Althen Multi-axis Force Torque Sensor Basic Information
- 9.6.2 Althen Multi-axis Force Torque Sensor Product Overview
- 9.6.3 Althen Multi-axis Force Torque Sensor Product Market Performance
- 9.6.4 Althen Business Overview
- 9.6.5 Althen Recent Developments

9.7 HBK

- 9.7.1 HBK Multi-axis Force Torque Sensor Basic Information
- 9.7.2 HBK Multi-axis Force Torque Sensor Product Overview
- 9.7.3 HBK Multi-axis Force Torque Sensor Product Market Performance
- 9.7.4 HBK Business Overview
- 9.7.5 HBK Recent Developments

9.8 Metromatics

- 9.8.1 Metromatics Multi-axis Force Torque Sensor Basic Information
- 9.8.2 Metromatics Multi-axis Force Torque Sensor Product Overview
- 9.8.3 Metromatics Multi-axis Force Torque Sensor Product Market Performance
- 9.8.4 Metromatics Business Overview
- 9.8.5 Metromatics Recent Developments

9.9 Kistler Group

- 9.9.1 Kistler Group Multi-axis Force Torque Sensor Basic Information
- 9.9.2 Kistler Group Multi-axis Force Torque Sensor Product Overview
- 9.9.3 Kistler Group Multi-axis Force Torque Sensor Product Market Performance
- 9.9.4 Kistler Group Business Overview
- 9.9.5 Kistler Group Recent Developments

9.10 A-TECH INSTRUMENTS LTD.

9.10.1 A-TECH INSTRUMENTS LTD. Multi-axis Force Torque Sensor Basic Information

9.10.2 A-TECH INSTRUMENTS LTD. Multi-axis Force Torque Sensor Product Overview

9.10.3 A-TECH INSTRUMENTS LTD. Multi-axis Force Torque Sensor Product Market Performance

9.10.4 A-TECH INSTRUMENTS LTD. Business Overview

9.10.5 A-TECH INSTRUMENTS LTD. Recent Developments

9.11 Minebea Mitsumi Inc.

- 9.11.1 Minebea Mitsumi Inc. Multi-axis Force Torque Sensor Basic Information
- 9.11.2 Minebea Mitsumi Inc. Multi-axis Force Torque Sensor Product Overview

9.11.3 Minebea Mitsumi Inc. Multi-axis Force Torque Sensor Product Market Performance

9.11.4 Minebea Mitsumi Inc. Business Overview



9.11.5 Minebea Mitsumi Inc. Recent Developments

9.12 GTM Testing and Metrology GmbH

9.12.1 GTM Testing and Metrology GmbH Multi-axis Force Torque Sensor Basic Information

9.12.2 GTM Testing and Metrology GmbH Multi-axis Force Torque Sensor Product Overview

9.12.3 GTM Testing and Metrology GmbH Multi-axis Force Torque Sensor Product Market Performance

- 9.12.4 GTM Testing and Metrology GmbH Business Overview
- 9.12.5 GTM Testing and Metrology GmbH Recent Developments

9.13 ABB

- 9.13.1 ABB Multi-axis Force Torque Sensor Basic Information
- 9.13.2 ABB Multi-axis Force Torque Sensor Product Overview
- 9.13.3 ABB Multi-axis Force Torque Sensor Product Market Performance
- 9.13.4 ABB Business Overview

9.13.5 ABB Recent Developments

9.14 Crane Electronics

- 9.14.1 Crane Electronics Multi-axis Force Torque Sensor Basic Information
- 9.14.2 Crane Electronics Multi-axis Force Torque Sensor Product Overview
- 9.14.3 Crane Electronics Multi-axis Force Torque Sensor Product Market Performance
- 9.14.4 Crane Electronics Business Overview
- 9.14.5 Crane Electronics Recent Developments

9.15 FUTEK Advanced Sensor Technology

9.15.1 FUTEK Advanced Sensor Technology Multi-axis Force Torque Sensor Basic Information

9.15.2 FUTEK Advanced Sensor Technology Multi-axis Force Torque Sensor Product Overview

9.15.3 FUTEK Advanced Sensor Technology Multi-axis Force Torque Sensor Product Market Performance

9.15.4 FUTEK Advanced Sensor Technology Business Overview

9.15.5 FUTEK Advanced Sensor Technology Recent Developments

9.16 Applied Measurements

- 9.16.1 Applied Measurements Multi-axis Force Torque Sensor Basic Information
- 9.16.2 Applied Measurements Multi-axis Force Torque Sensor Product Overview

9.16.3 Applied Measurements Multi-axis Force Torque Sensor Product Market Performance

9.16.4 Applied Measurements Business Overview

9.16.5 Applied Measurements Recent Developments



10 MULTI-AXIS FORCE TORQUE SENSOR MARKET FORECAST BY REGION

10.1 Global Multi-axis Force Torque Sensor Market Size Forecast

10.2 Global Multi-axis Force Torque Sensor Market Forecast by Region

10.2.1 North America Market Size Forecast by Country

10.2.2 Europe Multi-axis Force Torque Sensor Market Size Forecast by Country

10.2.3 Asia Pacific Multi-axis Force Torque Sensor Market Size Forecast by Region

10.2.4 South America Multi-axis Force Torque Sensor Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of Multi-axis Force Torque Sensor by Country

11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)

11.1 Global Multi-axis Force Torque Sensor Market Forecast by Type (2025-2030)

11.1.1 Global Forecasted Sales of Multi-axis Force Torque Sensor by Type (2025-2030)

11.1.2 Global Multi-axis Force Torque Sensor Market Size Forecast by Type (2025-2030)

11.1.3 Global Forecasted Price of Multi-axis Force Torque Sensor by Type (2025-2030)

11.2 Global Multi-axis Force Torque Sensor Market Forecast by Application (2025-2030)

11.2.1 Global Multi-axis Force Torque Sensor Sales (K Units) Forecast by Application

11.2.2 Global Multi-axis Force Torque Sensor Market Size (M USD) Forecast by Application (2025-2030)

12 CONCLUSION AND KEY FINDINGS



List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Multi-axis Force Torque Sensor Market Size Comparison by Region (M USD)

Table 5. Global Multi-axis Force Torque Sensor Sales (K Units) by Manufacturers (2019-2024)

Table 6. Global Multi-axis Force Torque Sensor Sales Market Share by Manufacturers (2019-2024)

Table 7. Global Multi-axis Force Torque Sensor Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global Multi-axis Force Torque Sensor Revenue Share by Manufacturers (2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Multiaxis Force Torque Sensor as of 2022)

Table 10. Global Market Multi-axis Force Torque Sensor Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 11. Manufacturers Multi-axis Force Torque Sensor Sales Sites and Area Served

Table 12. Manufacturers Multi-axis Force Torque Sensor Product Type

Table 13. Global Multi-axis Force Torque Sensor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of Multi-axis Force Torque Sensor

- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Multi-axis Force Torque Sensor Market Challenges

Table 22. Global Multi-axis Force Torque Sensor Sales by Type (K Units)

Table 23. Global Multi-axis Force Torque Sensor Market Size by Type (M USD)

Table 24. Global Multi-axis Force Torque Sensor Sales (K Units) by Type (2019-2024)

Table 25. Global Multi-axis Force Torque Sensor Sales Market Share by Type (2019-2024)

Table 26. Global Multi-axis Force Torque Sensor Market Size (M USD) by Type (2019-2024)



Table 27. Global Multi-axis Force Torque Sensor Market Size Share by Type (2019-2024)Table 28. Global Multi-axis Force Torque Sensor Price (USD/Unit) by Type (2019-2024) Table 29. Global Multi-axis Force Torque Sensor Sales (K Units) by Application Table 30. Global Multi-axis Force Torque Sensor Market Size by Application Table 31. Global Multi-axis Force Torque Sensor Sales by Application (2019-2024) & (K Units) Table 32. Global Multi-axis Force Torque Sensor Sales Market Share by Application (2019-2024)Table 33. Global Multi-axis Force Torque Sensor Sales by Application (2019-2024) & (M USD) Table 34. Global Multi-axis Force Torque Sensor Market Share by Application (2019-2024)Table 35. Global Multi-axis Force Torque Sensor Sales Growth Rate by Application (2019-2024)Table 36. Global Multi-axis Force Torque Sensor Sales by Region (2019-2024) & (K Units) Table 37. Global Multi-axis Force Torque Sensor Sales Market Share by Region (2019-2024)Table 38. North America Multi-axis Force Torque Sensor Sales by Country (2019-2024) & (K Units) Table 39. Europe Multi-axis Force Torque Sensor Sales by Country (2019-2024) & (K Units) Table 40. Asia Pacific Multi-axis Force Torque Sensor Sales by Region (2019-2024) & (K Units) Table 41. South America Multi-axis Force Torque Sensor Sales by Country (2019-2024) & (K Units) Table 42. Middle East and Africa Multi-axis Force Torque Sensor Sales by Region (2019-2024) & (K Units) Table 43. ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor Basic Information Table 44. ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor Product Overview Table 45. ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024) Table 46. ATI Industrial Automation, Inc. Business Overview Table 47. ATI Industrial Automation, Inc. Multi-axis Force Torque Sensor SWOT Analysis Table 48. ATI Industrial Automation, Inc. Recent Developments



 Table 49. OnRobot Multi-axis Force Torque Sensor Basic Information

Table 50. OnRobot Multi-axis Force Torque Sensor Product Overview

Table 51. OnRobot Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2019-2024)

Table 52. OnRobot Business Overview

Table 53. OnRobot Multi-axis Force Torque Sensor SWOT Analysis

Table 54. OnRobot Recent Developments

Table 55. FANUC America Corporation Multi-axis Force Torque Sensor Basic Information

Table 56. FANUC America Corporation Multi-axis Force Torque Sensor Product Overview

Table 57. FANUC America Corporation Multi-axis Force Torque Sensor Sales (K Units),

Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 58. FANUC America Corporation Multi-axis Force Torque Sensor SWOT Analysis

 Table 59. FANUC America Corporation Business Overview

Table 60. FANUC America Corporation Recent Developments

Table 61. Universal Robots Multi-axis Force Torque Sensor Basic Information

Table 62. Universal Robots Multi-axis Force Torque Sensor Product Overview

Table 63. Universal Robots Multi-axis Force Torque Sensor Sales (K Units), Revenue

(M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 64. Universal Robots Business Overview

 Table 65. Universal Robots Recent Developments

Table 66. Nordbo Robotics A/S Multi-axis Force Torque Sensor Basic Information

Table 67. Nordbo Robotics A/S Multi-axis Force Torque Sensor Product Overview

Table 68. Nordbo Robotics A/S Multi-axis Force Torque Sensor Sales (K Units),

Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 69. Nordbo Robotics A/S Business Overview

Table 70. Nordbo Robotics A/S Recent Developments

Table 71. Althen Multi-axis Force Torque Sensor Basic Information

Table 72. Althen Multi-axis Force Torque Sensor Product Overview

Table 73. Althen Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2019-2024)

- Table 74. Althen Business Overview
- Table 75. Althen Recent Developments

Table 76. HBK Multi-axis Force Torque Sensor Basic Information

Table 77. HBK Multi-axis Force Torque Sensor Product Overview

Table 78. HBK Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2019-2024)

Table 79. HBK Business Overview



Table 80. HBK Recent Developments

Table 81. Metromatics Multi-axis Force Torque Sensor Basic Information

Table 82. Metromatics Multi-axis Force Torque Sensor Product Overview

Table 83. Metromatics Multi-axis Force Torque Sensor Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 84. Metromatics Business Overview

Table 85. Metromatics Recent Developments

Table 86. Kistler Group Multi-axis Force Torque Sensor Basic Information

Table 87. Kistler Group Multi-axis Force Torque Sensor Product Overview

Table 88. Kistler Group Multi-axis Force Torque Sensor Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 89. Kistler Group Business Overview

Table 90. Kistler Group Recent Developments

Table 91. A-TECH INSTRUMENTS LTD. Multi-axis Force Torque Sensor Basic Information

Table 92. A-TECH INSTRUMENTS LTD. Multi-axis Force Torque Sensor Product Overview

Table 93. A-TECH INSTRUMENTS LTD. Multi-axis Force Torque Sensor Sales (K

Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 94. A-TECH INSTRUMENTS LTD. Business Overview

Table 95. A-TECH INSTRUMENTS LTD. Recent Developments

Table 96. Minebea Mitsumi Inc. Multi-axis Force Torque Sensor Basic Information

Table 97. Minebea Mitsumi Inc. Multi-axis Force Torque Sensor Product Overview

Table 98. Minebea Mitsumi Inc. Multi-axis Force Torque Sensor Sales (K Units),

Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 99. Minebea Mitsumi Inc. Business Overview

Table 100. Minebea Mitsumi Inc. Recent Developments

Table 101. GTM Testing and Metrology GmbH Multi-axis Force Torque Sensor Basic Information

Table 102. GTM Testing and Metrology GmbH Multi-axis Force Torque Sensor Product Overview

Table 103. GTM Testing and Metrology GmbH Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 104. GTM Testing and Metrology GmbH Business Overview

Table 105. GTM Testing and Metrology GmbH Recent Developments

Table 106. ABB Multi-axis Force Torque Sensor Basic Information

Table 107. ABB Multi-axis Force Torque Sensor Product Overview

Table 108. ABB Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)



Table 109, ABB Business Overview Table 110. ABB Recent Developments Table 111. Crane Electronics Multi-axis Force Torque Sensor Basic Information Table 112. Crane Electronics Multi-axis Force Torque Sensor Product Overview Table 113. Crane Electronics Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024) Table 114. Crane Electronics Business Overview Table 115. Crane Electronics Recent Developments Table 116. FUTEK Advanced Sensor Technology Multi-axis Force Torque Sensor Basic Information Table 117. FUTEK Advanced Sensor Technology Multi-axis Force Torque Sensor Product Overview Table 118. FUTEK Advanced Sensor Technology Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024) Table 119. FUTEK Advanced Sensor Technology Business Overview Table 120. FUTEK Advanced Sensor Technology Recent Developments Table 121. Applied Measurements Multi-axis Force Torque Sensor Basic Information Table 122. Applied Measurements Multi-axis Force Torque Sensor Product Overview Table 123. Applied Measurements Multi-axis Force Torque Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024) Table 124. Applied Measurements Business Overview Table 125. Applied Measurements Recent Developments Table 126. Global Multi-axis Force Torque Sensor Sales Forecast by Region (2025-2030) & (K Units) Table 127. Global Multi-axis Force Torque Sensor Market Size Forecast by Region (2025-2030) & (M USD) Table 128. North America Multi-axis Force Torque Sensor Sales Forecast by Country (2025-2030) & (K Units) Table 129. North America Multi-axis Force Torque Sensor Market Size Forecast by Country (2025-2030) & (M USD) Table 130. Europe Multi-axis Force Torque Sensor Sales Forecast by Country (2025-2030) & (K Units) Table 131. Europe Multi-axis Force Torque Sensor Market Size Forecast by Country (2025-2030) & (M USD) Table 132. Asia Pacific Multi-axis Force Torque Sensor Sales Forecast by Region (2025-2030) & (K Units) Table 133. Asia Pacific Multi-axis Force Torque Sensor Market Size Forecast by Region (2025-2030) & (M USD)

Table 134. South America Multi-axis Force Torque Sensor Sales Forecast by Country



(2025-2030) & (K Units)

Table 135. South America Multi-axis Force Torque Sensor Market Size Forecast by Country (2025-2030) & (M USD)

Table 136. Middle East and Africa Multi-axis Force Torque Sensor Consumption Forecast by Country (2025-2030) & (Units)

Table 137. Middle East and Africa Multi-axis Force Torque Sensor Market Size Forecast by Country (2025-2030) & (M USD)

Table 138. Global Multi-axis Force Torque Sensor Sales Forecast by Type (2025-2030) & (K Units)

Table 139. Global Multi-axis Force Torque Sensor Market Size Forecast by Type (2025-2030) & (M USD)

Table 140. Global Multi-axis Force Torque Sensor Price Forecast by Type (2025-2030) & (USD/Unit)

Table 141. Global Multi-axis Force Torque Sensor Sales (K Units) Forecast by Application (2025-2030)

Table 142. Global Multi-axis Force Torque Sensor Market Size Forecast by Application (2025-2030) & (M USD)



List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of Multi-axis Force Torque Sensor

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Multi-axis Force Torque Sensor Market Size (M USD), 2019-2030

Figure 5. Global Multi-axis Force Torque Sensor Market Size (M USD) (2019-2030)

Figure 6. Global Multi-axis Force Torque Sensor Sales (K Units) & (2019-2030)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Multi-axis Force Torque Sensor Market Size by Country (M USD)

Figure 11. Multi-axis Force Torque Sensor Sales Share by Manufacturers in 2023

Figure 12. Global Multi-axis Force Torque Sensor Revenue Share by Manufacturers in 2023

Figure 13. Multi-axis Force Torque Sensor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market Multi-axis Force Torque Sensor Average Price (USD/Unit) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by Multi-axis Force Torque Sensor Revenue in 2023

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global Multi-axis Force Torque Sensor Market Share by Type

Figure 18. Sales Market Share of Multi-axis Force Torque Sensor by Type (2019-2024)

Figure 19. Sales Market Share of Multi-axis Force Torque Sensor by Type in 2023

Figure 20. Market Size Share of Multi-axis Force Torque Sensor by Type (2019-2024)

Figure 21. Market Size Market Share of Multi-axis Force Torque Sensor by Type in 2023

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Multi-axis Force Torque Sensor Market Share by Application

Figure 24. Global Multi-axis Force Torque Sensor Sales Market Share by Application (2019-2024)

Figure 25. Global Multi-axis Force Torque Sensor Sales Market Share by Application in 2023

Figure 26. Global Multi-axis Force Torque Sensor Market Share by Application (2019-2024)

Figure 27. Global Multi-axis Force Torque Sensor Market Share by Application in 2023



Figure 28. Global Multi-axis Force Torque Sensor Sales Growth Rate by Application (2019-2024)

Figure 29. Global Multi-axis Force Torque Sensor Sales Market Share by Region (2019-2024)

Figure 30. North America Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America Multi-axis Force Torque Sensor Sales Market Share by Country in 2023

Figure 32. U.S. Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Multi-axis Force Torque Sensor Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Multi-axis Force Torque Sensor Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Multi-axis Force Torque Sensor Sales Market Share by Country in 2023

Figure 37. Germany Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Multi-axis Force Torque Sensor Sales and Growth Rate (K Units) Figure 43. Asia Pacific Multi-axis Force Torque Sensor Sales Market Share by Region in 2023

Figure 44. China Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)



Figure 48. Southeast Asia Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America Multi-axis Force Torque Sensor Sales and Growth Rate (K Units)

Figure 50. South America Multi-axis Force Torque Sensor Sales Market Share by Country in 2023

Figure 51. Brazil Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa Multi-axis Force Torque Sensor Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Multi-axis Force Torque Sensor Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Multi-axis Force Torque Sensor Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Multi-axis Force Torque Sensor Sales Forecast by Volume (2019-2030) & (K Units)

Figure 62. Global Multi-axis Force Torque Sensor Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global Multi-axis Force Torque Sensor Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global Multi-axis Force Torque Sensor Market Share Forecast by Type (2025-2030)

Figure 65. Global Multi-axis Force Torque Sensor Sales Forecast by Application (2025-2030)

Figure 66. Global Multi-axis Force Torque Sensor Market Share Forecast by Application (2025-2030)



I would like to order

Product name: Global Multi-axis Force Torque Sensor Market Research Report 2024(Status and Outlook)

Product link: https://marketpublishers.com/r/G0832C3823FAEN.html

Price: US\$ 3,200.00 (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/G0832C3823FAEN.html