

Global Force Torque Sensors Market Growth 2023-2029

<https://marketpublishers.com/r/GD01959F0300EN.html>

Date: March 2023

Pages: 120

Price: US\$ 3,660.00 (Single User License)

ID: GD01959F0300EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Force Torque Sensors market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Force Torque Sensors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Force Torque Sensors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Force Torque Sensors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Force Torque Sensors players cover ABB, Crane Electronics, FUTEK Advanced Sensor Technology, Applied Measurements, Honeywell International, Kistler Holding, Sensor Technology, Hottinger Baldwin Messtechnik and Norbar Torque Tools, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

LPI (LP Information)' newest research report, the "Force Torque Sensors Industry Forecast" looks at past sales and reviews total world Force Torque Sensors sales in 2022, providing a comprehensive analysis by region and market sector of projected Force Torque Sensors sales for 2023 through 2029. With Force Torque Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Force Torque Sensors industry.

This Insight Report provides a comprehensive analysis of the global Force Torque Sensors 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 Torque Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Force Torque Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Force Torque Sensors and breaks down the forecast by type, 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 Torque Sensors.

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

Market Segmentation:

Segmentation by type

Strain Gauge Sensor

Capacitive Sensor

Optical Sensor

Segmentation by application

Welding Robots

Material Handling Robots

Palletizing Robot

Painting Robot

Assembly Robot

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

ABB

Crane Electronics

FUTEK Advanced Sensor Technology

Applied Measurements

Honeywell International

Kistler Holding

Sensor Technology

Hottinger Baldwin Messtechnik

Norbar Torque Tools

Infineon Technologies

ATI Industrial Automation

OptoForce

Robotiq

OnRobot

HBM

Jiangsu Lanmec Electromechanical Technology Co., Ltd

Schunk

Olympus Technologies

Unbox Industry

Nordbo Robotics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Force Torque Sensors market?

What factors are driving Force Torque Sensors market growth, globally and by region?

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

How do Force Torque Sensors market opportunities vary by end market size?

How does Force Torque Sensors break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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 Torque Sensors Annual Sales 2018-2029
 - 2.1.2 World Current & Future Analysis for Force Torque Sensors by Geographic Region, 2018, 2022 & 2029
 - 2.1.3 World Current & Future Analysis for Force Torque Sensors by Country/Region, 2018, 2022 & 2029
- 2.2 Force Torque Sensors Segment by Type
 - 2.2.1 Strain Gauge Sensor
 - 2.2.2 Capacitive Sensor
 - 2.2.3 Optical Sensor
- 2.3 Force Torque Sensors Sales by Type
 - 2.3.1 Global Force Torque Sensors Sales Market Share by Type (2018-2023)
 - 2.3.2 Global Force Torque Sensors Revenue and Market Share by Type (2018-2023)
 - 2.3.3 Global Force Torque Sensors Sale Price by Type (2018-2023)
- 2.4 Force Torque Sensors Segment by Application
 - 2.4.1 Welding Robots
 - 2.4.2 Material Handling Robots
 - 2.4.3 Palletizing Robot
 - 2.4.4 Painting Robot
 - 2.4.5 Assembly Robot
 - 2.4.6 Others
- 2.5 Force Torque Sensors Sales by Application
 - 2.5.1 Global Force Torque Sensors Sale Market Share by Application (2018-2023)
 - 2.5.2 Global Force Torque Sensors Revenue and Market Share by Application

(2018-2023)

2.5.3 Global Force Torque Sensors Sale Price by Application (2018-2023)

3 GLOBAL FORCE TORQUE SENSORS BY COMPANY

3.1 Global Force Torque Sensors Breakdown Data by Company

3.1.1 Global Force Torque Sensors Annual Sales by Company (2018-2023)

3.1.2 Global Force Torque Sensors Sales Market Share by Company (2018-2023)

3.2 Global Force Torque Sensors Annual Revenue by Company (2018-2023)

3.2.1 Global Force Torque Sensors Revenue by Company (2018-2023)

3.2.2 Global Force Torque Sensors Revenue Market Share by Company (2018-2023)

3.3 Global Force Torque Sensors Sale Price by Company

3.4 Key Manufacturers Force Torque Sensors Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Force Torque Sensors Product Location Distribution

3.4.2 Players Force Torque Sensors Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR FORCE TORQUE SENSORS BY GEOGRAPHIC REGION

4.1 World Historic Force Torque Sensors Market Size by Geographic Region (2018-2023)

4.1.1 Global Force Torque Sensors Annual Sales by Geographic Region (2018-2023)

4.1.2 Global Force Torque Sensors Annual Revenue by Geographic Region (2018-2023)

4.2 World Historic Force Torque Sensors Market Size by Country/Region (2018-2023)

4.2.1 Global Force Torque Sensors Annual Sales by Country/Region (2018-2023)

4.2.2 Global Force Torque Sensors Annual Revenue by Country/Region (2018-2023)

4.3 Americas Force Torque Sensors Sales Growth

4.4 APAC Force Torque Sensors Sales Growth

4.5 Europe Force Torque Sensors Sales Growth

4.6 Middle East & Africa Force Torque Sensors Sales Growth

5 AMERICAS

5.1 Americas Force Torque Sensors Sales by Country

5.1.1 Americas Force Torque Sensors Sales by Country (2018-2023)

5.1.2 Americas Force Torque Sensors Revenue by Country (2018-2023)

5.2 Americas Force Torque Sensors Sales by Type

5.3 Americas Force Torque Sensors Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Force Torque Sensors Sales by Region

6.1.1 APAC Force Torque Sensors Sales by Region (2018-2023)

6.1.2 APAC Force Torque Sensors Revenue by Region (2018-2023)

6.2 APAC Force Torque Sensors Sales by Type

6.3 APAC Force Torque Sensors Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Force Torque Sensors by Country

7.1.1 Europe Force Torque Sensors Sales by Country (2018-2023)

7.1.2 Europe Force Torque Sensors Revenue by Country (2018-2023)

7.2 Europe Force Torque Sensors Sales by Type

7.3 Europe Force Torque Sensors Sales by Application

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 Torque Sensors by Country

8.1.1 Middle East & Africa Force Torque Sensors Sales by Country (2018-2023)

8.1.2 Middle East & Africa Force Torque Sensors Revenue by Country (2018-2023)

8.2 Middle East & Africa Force Torque Sensors Sales by Type

8.3 Middle East & Africa Force Torque Sensors Sales by Application

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

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Force Torque Sensors

10.3 Manufacturing Process Analysis of Force Torque Sensors

10.4 Industry Chain Structure of Force Torque Sensors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Force Torque Sensors Distributors

11.3 Force Torque Sensors Customer

12 WORLD FORECAST REVIEW FOR FORCE TORQUE SENSORS BY GEOGRAPHIC REGION

12.1 Global Force Torque Sensors Market Size Forecast by Region

12.1.1 Global Force Torque Sensors Forecast by Region (2024-2029)

12.1.2 Global Force Torque Sensors Annual Revenue Forecast by Region
(2024-2029)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Force Torque Sensors Forecast by Type

12.7 Global Force Torque Sensors Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 ABB

13.1.1 ABB Company Information

13.1.2 ABB Force Torque Sensors Product Portfolios and Specifications

13.1.3 ABB Force Torque Sensors Sales, Revenue, Price and Gross Margin
(2018-2023)

13.1.4 ABB Main Business Overview

13.1.5 ABB Latest Developments

13.2 Crane Electronics

13.2.1 Crane Electronics Company Information

13.2.2 Crane Electronics Force Torque Sensors Product Portfolios and Specifications

13.2.3 Crane Electronics Force Torque Sensors Sales, Revenue, Price and Gross
Margin (2018-2023)

13.2.4 Crane Electronics Main Business Overview

13.2.5 Crane Electronics Latest Developments

13.3 FUTEK Advanced Sensor Technology

13.3.1 FUTEK Advanced Sensor Technology Company Information

13.3.2 FUTEK Advanced Sensor Technology Force Torque Sensors Product Portfolios
and Specifications

13.3.3 FUTEK Advanced Sensor Technology Force Torque Sensors Sales, Revenue,
Price and Gross Margin (2018-2023)

13.3.4 FUTEK Advanced Sensor Technology Main Business Overview

13.3.5 FUTEK Advanced Sensor Technology Latest Developments

13.4 Applied Measurements

13.4.1 Applied Measurements Company Information

13.4.2 Applied Measurements Force Torque Sensors Product Portfolios and
Specifications

13.4.3 Applied Measurements Force Torque Sensors Sales, Revenue, Price and
Gross Margin (2018-2023)

- 13.4.4 Applied Measurements Main Business Overview
- 13.4.5 Applied Measurements Latest Developments
- 13.5 Honeywell International
 - 13.5.1 Honeywell International Company Information
 - 13.5.2 Honeywell International Force Torque Sensors Product Portfolios and Specifications
 - 13.5.3 Honeywell International Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.5.4 Honeywell International Main Business Overview
 - 13.5.5 Honeywell International Latest Developments
- 13.6 Kistler Holding
 - 13.6.1 Kistler Holding Company Information
 - 13.6.2 Kistler Holding Force Torque Sensors Product Portfolios and Specifications
 - 13.6.3 Kistler Holding Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.6.4 Kistler Holding Main Business Overview
 - 13.6.5 Kistler Holding Latest Developments
- 13.7 Sensor Technology
 - 13.7.1 Sensor Technology Company Information
 - 13.7.2 Sensor Technology Force Torque Sensors Product Portfolios and Specifications
 - 13.7.3 Sensor Technology Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.7.4 Sensor Technology Main Business Overview
 - 13.7.5 Sensor Technology Latest Developments
- 13.8 Hottinger Baldwin Messtechnik
 - 13.8.1 Hottinger Baldwin Messtechnik Company Information
 - 13.8.2 Hottinger Baldwin Messtechnik Force Torque Sensors Product Portfolios and Specifications
 - 13.8.3 Hottinger Baldwin Messtechnik Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.8.4 Hottinger Baldwin Messtechnik Main Business Overview
 - 13.8.5 Hottinger Baldwin Messtechnik Latest Developments
- 13.9 Norbar Torque Tools
 - 13.9.1 Norbar Torque Tools Company Information
 - 13.9.2 Norbar Torque Tools Force Torque Sensors Product Portfolios and Specifications
 - 13.9.3 Norbar Torque Tools Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)

- 13.9.4 Norbar Torque Tools Main Business Overview
- 13.9.5 Norbar Torque Tools Latest Developments
- 13.10 Infineon Technologies
 - 13.10.1 Infineon Technologies Company Information
 - 13.10.2 Infineon Technologies Force Torque Sensors Product Portfolios and Specifications
 - 13.10.3 Infineon Technologies Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.10.4 Infineon Technologies Main Business Overview
 - 13.10.5 Infineon Technologies Latest Developments
- 13.11 ATI Industrial Automation
 - 13.11.1 ATI Industrial Automation Company Information
 - 13.11.2 ATI Industrial Automation Force Torque Sensors Product Portfolios and Specifications
 - 13.11.3 ATI Industrial Automation Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.11.4 ATI Industrial Automation Main Business Overview
 - 13.11.5 ATI Industrial Automation Latest Developments
- 13.12 OptoForce
 - 13.12.1 OptoForce Company Information
 - 13.12.2 OptoForce Force Torque Sensors Product Portfolios and Specifications
 - 13.12.3 OptoForce Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.12.4 OptoForce Main Business Overview
 - 13.12.5 OptoForce Latest Developments
- 13.13 Robotiq
 - 13.13.1 Robotiq Company Information
 - 13.13.2 Robotiq Force Torque Sensors Product Portfolios and Specifications
 - 13.13.3 Robotiq Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.13.4 Robotiq Main Business Overview
 - 13.13.5 Robotiq Latest Developments
- 13.14 OnRobot
 - 13.14.1 OnRobot Company Information
 - 13.14.2 OnRobot Force Torque Sensors Product Portfolios and Specifications
 - 13.14.3 OnRobot Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.14.4 OnRobot Main Business Overview
 - 13.14.5 OnRobot Latest Developments

13.15 HBM

13.15.1 HBM Company Information

13.15.2 HBM Force Torque Sensors Product Portfolios and Specifications

13.15.3 HBM Force Torque Sensors Sales, Revenue, Price and Gross Margin
(2018-2023)

13.15.4 HBM Main Business Overview

13.15.5 HBM Latest Developments

13.16 Jiangsu Lanmec Electromechanical Technology Co., Ltd

13.16.1 Jiangsu Lanmec Electromechanical Technology Co., Ltd Company Information

13.16.2 Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque
Sensors Product Portfolios and Specifications

13.16.3 Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque
Sensors Sales, Revenue, Price and Gross Margin (2018-2023)

13.16.4 Jiangsu Lanmec Electromechanical Technology Co., Ltd Main Business
Overview

13.16.5 Jiangsu Lanmec Electromechanical Technology Co., Ltd Latest Developments

13.17 Schunk

13.17.1 Schunk Company Information

13.17.2 Schunk Force Torque Sensors Product Portfolios and Specifications

13.17.3 Schunk Force Torque Sensors Sales, Revenue, Price and Gross Margin
(2018-2023)

13.17.4 Schunk Main Business Overview

13.17.5 Schunk Latest Developments

13.18 Olympus Technologies

13.18.1 Olympus Technologies Company Information

13.18.2 Olympus Technologies Force Torque Sensors Product Portfolios and
Specifications

13.18.3 Olympus Technologies Force Torque Sensors Sales, Revenue, Price and
Gross Margin (2018-2023)

13.18.4 Olympus Technologies Main Business Overview

13.18.5 Olympus Technologies Latest Developments

13.19 Unbox Industry

13.19.1 Unbox Industry Company Information

13.19.2 Unbox Industry Force Torque Sensors Product Portfolios and Specifications

13.19.3 Unbox Industry Force Torque Sensors Sales, Revenue, Price and Gross
Margin (2018-2023)

13.19.4 Unbox Industry Main Business Overview

13.19.5 Unbox Industry Latest Developments

13.20 Nordbo Robotics

13.20.1 Nordbo Robotics Company Information

13.20.2 Nordbo Robotics Force Torque Sensors Product Portfolios and Specifications

13.20.3 Nordbo Robotics Force Torque Sensors Sales, Revenue, Price and Gross Margin (2018-2023)

13.20.4 Nordbo Robotics Main Business Overview

13.20.5 Nordbo Robotics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Force Torque Sensors Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. Force Torque Sensors Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Strain Gauge Sensor

Table 4. Major Players of Capacitive Sensor

Table 5. Major Players of Optical Sensor

Table 6. Global Force Torque Sensors Sales by Type (2018-2023) & (K Units)

Table 7. Global Force Torque Sensors Sales Market Share by Type (2018-2023)

Table 8. Global Force Torque Sensors Revenue by Type (2018-2023) & (\$ million)

Table 9. Global Force Torque Sensors Revenue Market Share by Type (2018-2023)

Table 10. Global Force Torque Sensors Sale Price by Type (2018-2023) & (US\$/Unit)

Table 11. Global Force Torque Sensors Sales by Application (2018-2023) & (K Units)

Table 12. Global Force Torque Sensors Sales Market Share by Application (2018-2023)

Table 13. Global Force Torque Sensors Revenue by Application (2018-2023)

Table 14. Global Force Torque Sensors Revenue Market Share by Application (2018-2023)

Table 15. Global Force Torque Sensors Sale Price by Application (2018-2023) & (US\$/Unit)

Table 16. Global Force Torque Sensors Sales by Company (2018-2023) & (K Units)

Table 17. Global Force Torque Sensors Sales Market Share by Company (2018-2023)

Table 18. Global Force Torque Sensors Revenue by Company (2018-2023) (\$ Millions)

Table 19. Global Force Torque Sensors Revenue Market Share by Company (2018-2023)

Table 20. Global Force Torque Sensors Sale Price by Company (2018-2023) & (US\$/Unit)

Table 21. Key Manufacturers Force Torque Sensors Producing Area Distribution and Sales Area

Table 22. Players Force Torque Sensors Products Offered

Table 23. Force Torque Sensors Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Force Torque Sensors Sales by Geographic Region (2018-2023) & (K Units)

Table 27. Global Force Torque Sensors Sales Market Share Geographic Region (2018-2023)

Table 28. Global Force Torque Sensors Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 29. Global Force Torque Sensors Revenue Market Share by Geographic Region (2018-2023)

Table 30. Global Force Torque Sensors Sales by Country/Region (2018-2023) & (K Units)

Table 31. Global Force Torque Sensors Sales Market Share by Country/Region (2018-2023)

Table 32. Global Force Torque Sensors Revenue by Country/Region (2018-2023) & (\$ millions)

Table 33. Global Force Torque Sensors Revenue Market Share by Country/Region (2018-2023)

Table 34. Americas Force Torque Sensors Sales by Country (2018-2023) & (K Units)

Table 35. Americas Force Torque Sensors Sales Market Share by Country (2018-2023)

Table 36. Americas Force Torque Sensors Revenue by Country (2018-2023) & (\$ Millions)

Table 37. Americas Force Torque Sensors Revenue Market Share by Country (2018-2023)

Table 38. Americas Force Torque Sensors Sales by Type (2018-2023) & (K Units)

Table 39. Americas Force Torque Sensors Sales by Application (2018-2023) & (K Units)

Table 40. APAC Force Torque Sensors Sales by Region (2018-2023) & (K Units)

Table 41. APAC Force Torque Sensors Sales Market Share by Region (2018-2023)

Table 42. APAC Force Torque Sensors Revenue by Region (2018-2023) & (\$ Millions)

Table 43. APAC Force Torque Sensors Revenue Market Share by Region (2018-2023)

Table 44. APAC Force Torque Sensors Sales by Type (2018-2023) & (K Units)

Table 45. APAC Force Torque Sensors Sales by Application (2018-2023) & (K Units)

Table 46. Europe Force Torque Sensors Sales by Country (2018-2023) & (K Units)

Table 47. Europe Force Torque Sensors Sales Market Share by Country (2018-2023)

Table 48. Europe Force Torque Sensors Revenue by Country (2018-2023) & (\$ Millions)

Table 49. Europe Force Torque Sensors Revenue Market Share by Country (2018-2023)

Table 50. Europe Force Torque Sensors Sales by Type (2018-2023) & (K Units)

Table 51. Europe Force Torque Sensors Sales by Application (2018-2023) & (K Units)

Table 52. Middle East & Africa Force Torque Sensors Sales by Country (2018-2023) & (K Units)

Table 53. Middle East & Africa Force Torque Sensors Sales Market Share by Country

(2018-2023)

Table 54. Middle East & Africa Force Torque Sensors Revenue by Country (2018-2023) & (\$ Millions)

Table 55. Middle East & Africa Force Torque Sensors Revenue Market Share by Country (2018-2023)

Table 56. Middle East & Africa Force Torque Sensors Sales by Type (2018-2023) & (K Units)

Table 57. Middle East & Africa Force Torque Sensors Sales by Application (2018-2023) & (K Units)

Table 58. Key Market Drivers & Growth Opportunities of Force Torque Sensors

Table 59. Key Market Challenges & Risks of Force Torque Sensors

Table 60. Key Industry Trends of Force Torque Sensors

Table 61. Force Torque Sensors Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. Force Torque Sensors Distributors List

Table 64. Force Torque Sensors Customer List

Table 65. Global Force Torque Sensors Sales Forecast by Region (2024-2029) & (K Units)

Table 66. Global Force Torque Sensors Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 67. Americas Force Torque Sensors Sales Forecast by Country (2024-2029) & (K Units)

Table 68. Americas Force Torque Sensors Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 69. APAC Force Torque Sensors Sales Forecast by Region (2024-2029) & (K Units)

Table 70. APAC Force Torque Sensors Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 71. Europe Force Torque Sensors Sales Forecast by Country (2024-2029) & (K Units)

Table 72. Europe Force Torque Sensors Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 73. Middle East & Africa Force Torque Sensors Sales Forecast by Country (2024-2029) & (K Units)

Table 74. Middle East & Africa Force Torque Sensors Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 75. Global Force Torque Sensors Sales Forecast by Type (2024-2029) & (K Units)

Table 76. Global Force Torque Sensors Revenue Forecast by Type (2024-2029) & (\$

Millions)

Table 77. Global Force Torque Sensors Sales Forecast by Application (2024-2029) & (K Units)

Table 78. Global Force Torque Sensors Revenue Forecast by Application (2024-2029) & (\$ Millions)

Table 79. ABB Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 80. ABB Force Torque Sensors Product Portfolios and Specifications

Table 81. ABB Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 82. ABB Main Business

Table 83. ABB Latest Developments

Table 84. Crane Electronics Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 85. Crane Electronics Force Torque Sensors Product Portfolios and Specifications

Table 86. Crane Electronics Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 87. Crane Electronics Main Business

Table 88. Crane Electronics Latest Developments

Table 89. FUTEK Advanced Sensor Technology Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 90. FUTEK Advanced Sensor Technology Force Torque Sensors Product Portfolios and Specifications

Table 91. FUTEK Advanced Sensor Technology Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 92. FUTEK Advanced Sensor Technology Main Business

Table 93. FUTEK Advanced Sensor Technology Latest Developments

Table 94. Applied Measurements Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 95. Applied Measurements Force Torque Sensors Product Portfolios and Specifications

Table 96. Applied Measurements Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 97. Applied Measurements Main Business

Table 98. Applied Measurements Latest Developments

Table 99. Honeywell International Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 100. Honeywell International Force Torque Sensors Product Portfolios and

Specifications

Table 101. Honeywell International Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 102. Honeywell International Main Business

Table 103. Honeywell International Latest Developments

Table 104. Kistler Holding Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 105. Kistler Holding Force Torque Sensors Product Portfolios and Specifications

Table 106. Kistler Holding Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 107. Kistler Holding Main Business

Table 108. Kistler Holding Latest Developments

Table 109. Sensor Technology Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 110. Sensor Technology Force Torque Sensors Product Portfolios and Specifications

Table 111. Sensor Technology Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 112. Sensor Technology Main Business

Table 113. Sensor Technology Latest Developments

Table 114. Hottinger Baldwin Messtechnik Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 115. Hottinger Baldwin Messtechnik Force Torque Sensors Product Portfolios and Specifications

Table 116. Hottinger Baldwin Messtechnik Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 117. Hottinger Baldwin Messtechnik Main Business

Table 118. Hottinger Baldwin Messtechnik Latest Developments

Table 119. Norbar Torque Tools Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 120. Norbar Torque Tools Force Torque Sensors Product Portfolios and Specifications

Table 121. Norbar Torque Tools Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 122. Norbar Torque Tools Main Business

Table 123. Norbar Torque Tools Latest Developments

Table 124. Infineon Technologies Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 125. Infineon Technologies Force Torque Sensors Product Portfolios and

Specifications

Table 126. Infineon Technologies Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 127. Infineon Technologies Main Business

Table 128. Infineon Technologies Latest Developments

Table 129. ATI Industrial Automation Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 130. ATI Industrial Automation Force Torque Sensors Product Portfolios and Specifications

Table 131. ATI Industrial Automation Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 132. ATI Industrial Automation Main Business

Table 133. ATI Industrial Automation Latest Developments

Table 134. OptoForce Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 135. OptoForce Force Torque Sensors Product Portfolios and Specifications

Table 136. OptoForce Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 137. OptoForce Main Business

Table 138. OptoForce Latest Developments

Table 139. Robotiq Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 140. Robotiq Force Torque Sensors Product Portfolios and Specifications

Table 141. Robotiq Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 142. Robotiq Main Business

Table 143. Robotiq Latest Developments

Table 144. OnRobot Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 145. OnRobot Force Torque Sensors Product Portfolios and Specifications

Table 146. OnRobot Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 147. OnRobot Main Business

Table 148. OnRobot Latest Developments

Table 149. HBM Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 150. HBM Force Torque Sensors Product Portfolios and Specifications

Table 151. HBM Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 152. HBM Main Business

Table 153. HBM Latest Developments

Table 154. Jiangsu Lanmec Electromechanical Technology Co., Ltd Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 155. Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque Sensors Product Portfolios and Specifications

Table 156. Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 157. Jiangsu Lanmec Electromechanical Technology Co., Ltd Main Business

Table 158. Jiangsu Lanmec Electromechanical Technology Co., Ltd Latest Developments

Table 159. Schunk Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 160. Schunk Force Torque Sensors Product Portfolios and Specifications

Table 161. Schunk Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 162. Schunk Main Business

Table 163. Schunk Latest Developments

Table 164. Olympus Technologies Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 165. Olympus Technologies Force Torque Sensors Product Portfolios and Specifications

Table 166. Olympus Technologies Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 167. Olympus Technologies Main Business

Table 168. Olympus Technologies Latest Developments

Table 169. Unbox Industry Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 170. Unbox Industry Force Torque Sensors Product Portfolios and Specifications

Table 171. Unbox Industry Force Torque Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 172. Unbox Industry Main Business

Table 173. Unbox Industry Latest Developments

Table 174. Nordbo Robotics Basic Information, Force Torque Sensors Manufacturing Base, Sales Area and Its Competitors

Table 175. Nordbo Robotics Force Torque Sensors Product Portfolios and Specifications

Table 176. Nordbo Robotics Force Torque Sensors Sales (K Units), Revenue (\$

Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 177. Nordbo Robotics Main Business

Table 178. Nordbo Robotics Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Force Torque Sensors
- Figure 2. Force Torque Sensors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Force Torque Sensors Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global Force Torque Sensors Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Force Torque Sensors Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Strain Gauge Sensor
- Figure 10. Product Picture of Capacitive Sensor
- Figure 11. Product Picture of Optical Sensor
- Figure 12. Global Force Torque Sensors Sales Market Share by Type in 2022
- Figure 13. Global Force Torque Sensors Revenue Market Share by Type (2018-2023)
- Figure 14. Force Torque Sensors Consumed in Welding Robots
- Figure 15. Global Force Torque Sensors Market: Welding Robots (2018-2023) & (K Units)
- Figure 16. Force Torque Sensors Consumed in Material Handling Robots
- Figure 17. Global Force Torque Sensors Market: Material Handling Robots (2018-2023) & (K Units)
- Figure 18. Force Torque Sensors Consumed in Palletizing Robot
- Figure 19. Global Force Torque Sensors Market: Palletizing Robot (2018-2023) & (K Units)
- Figure 20. Force Torque Sensors Consumed in Painting Robot
- Figure 21. Global Force Torque Sensors Market: Painting Robot (2018-2023) & (K Units)
- Figure 22. Force Torque Sensors Consumed in Assembly Robot
- Figure 23. Global Force Torque Sensors Market: Assembly Robot (2018-2023) & (K Units)
- Figure 24. Force Torque Sensors Consumed in Others
- Figure 25. Global Force Torque Sensors Market: Others (2018-2023) & (K Units)
- Figure 26. Global Force Torque Sensors Sales Market Share by Application (2022)
- Figure 27. Global Force Torque Sensors Revenue Market Share by Application in 2022
- Figure 28. Force Torque Sensors Sales Market by Company in 2022 (K Units)
- Figure 29. Global Force Torque Sensors Sales Market Share by Company in 2022
- Figure 30. Force Torque Sensors Revenue Market by Company in 2022 (\$ Million)

Figure 31. Global Force Torque Sensors Revenue Market Share by Company in 2022

Figure 32. Global Force Torque Sensors Sales Market Share by Geographic Region (2018-2023)

Figure 33. Global Force Torque Sensors Revenue Market Share by Geographic Region in 2022

Figure 34. Americas Force Torque Sensors Sales 2018-2023 (K Units)

Figure 35. Americas Force Torque Sensors Revenue 2018-2023 (\$ Millions)

Figure 36. APAC Force Torque Sensors Sales 2018-2023 (K Units)

Figure 37. APAC Force Torque Sensors Revenue 2018-2023 (\$ Millions)

Figure 38. Europe Force Torque Sensors Sales 2018-2023 (K Units)

Figure 39. Europe Force Torque Sensors Revenue 2018-2023 (\$ Millions)

Figure 40. Middle East & Africa Force Torque Sensors Sales 2018-2023 (K Units)

Figure 41. Middle East & Africa Force Torque Sensors Revenue 2018-2023 (\$ Millions)

Figure 42. Americas Force Torque Sensors Sales Market Share by Country in 2022

Figure 43. Americas Force Torque Sensors Revenue Market Share by Country in 2022

Figure 44. Americas Force Torque Sensors Sales Market Share by Type (2018-2023)

Figure 45. Americas Force Torque Sensors Sales Market Share by Application (2018-2023)

Figure 46. United States Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 47. Canada Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 48. Mexico Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 49. Brazil Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 50. APAC Force Torque Sensors Sales Market Share by Region in 2022

Figure 51. APAC Force Torque Sensors Revenue Market Share by Regions in 2022

Figure 52. APAC Force Torque Sensors Sales Market Share by Type (2018-2023)

Figure 53. APAC Force Torque Sensors Sales Market Share by Application (2018-2023)

Figure 54. China Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 55. Japan Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 56. South Korea Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 57. Southeast Asia Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 58. India Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 59. Australia Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 60. China Taiwan Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 61. Europe Force Torque Sensors Sales Market Share by Country in 2022

Figure 62. Europe Force Torque Sensors Revenue Market Share by Country in 2022

Figure 63. Europe Force Torque Sensors Sales Market Share by Type (2018-2023)

- Figure 64. Europe Force Torque Sensors Sales Market Share by Application (2018-2023)
- Figure 65. Germany Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 66. France Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 67. UK Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 68. Italy Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 69. Russia Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 70. Middle East & Africa Force Torque Sensors Sales Market Share by Country in 2022
- Figure 71. Middle East & Africa Force Torque Sensors Revenue Market Share by Country in 2022
- Figure 72. Middle East & Africa Force Torque Sensors Sales Market Share by Type (2018-2023)
- Figure 73. Middle East & Africa Force Torque Sensors Sales Market Share by Application (2018-2023)
- Figure 74. Egypt Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 75. South Africa Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 76. Israel Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 77. Turkey Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 78. GCC Country Force Torque Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 79. Manufacturing Cost Structure Analysis of Force Torque Sensors in 2022
- Figure 80. Manufacturing Process Analysis of Force Torque Sensors
- Figure 81. Industry Chain Structure of Force Torque Sensors
- Figure 82. Channels of Distribution
- Figure 83. Global Force Torque Sensors Sales Market Forecast by Region (2024-2029)
- Figure 84. Global Force Torque Sensors Revenue Market Share Forecast by Region (2024-2029)
- Figure 85. Global Force Torque Sensors Sales Market Share Forecast by Type (2024-2029)
- Figure 86. Global Force Torque Sensors Revenue Market Share Forecast by Type (2024-2029)
- Figure 87. Global Force Torque Sensors Sales Market Share Forecast by Application (2024-2029)
- Figure 88. Global Force Torque Sensors Revenue Market Share Forecast by Application (2024-2029)

I would like to order

Product name: Global Force Torque Sensors Market Growth 2023-2029

Product link: <https://marketpublishers.com/r/GD01959F0300EN.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/GD01959F0300EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970