

Global Force Torque Sensors Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/G6DBB2EB0B1EEN.html

Date: March 2023

Pages: 127

Price: US\$ 4,480.00 (Single User License)

ID: G6DBB2EB0B1EEN

Abstracts

The global Force Torque Sensors market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

This report studies the global Force Torque Sensors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Force Torque Sensors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Force Torque Sensors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Force Torque Sensors total production and demand, 2018-2029, (K Units)

Global Force Torque Sensors total production value, 2018-2029, (USD Million)

Global Force Torque Sensors production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Force Torque Sensors consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Force Torque Sensors domestic production, consumption, key domestic manufacturers and share



Global Force Torque Sensors production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Force Torque Sensors production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Force Torque Sensors production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Force Torque Sensors market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, Crane Electronics, FUTEK Advanced Sensor Technology, Applied Measurements, Honeywell International, Kistler Holding, Sensor Technology, Hottinger Baldwin Messtechnik and Norbar Torque Tools, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Force Torque Sensors market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Force Torque Sensors Market, By Region:

United States

China

Europe



Japan	
South Korea	
ASEAN	
India	
Rest of World	
Global Force Torque Sensors Market, Segmentation by Type	
Strain Gauge Sensor	
Capacitive Sensor	
Optical Sensor	
Global Force Torque Sensors Market, Segmentation by Application	
Welding Robots	
Material Handling Robots	
Palletizing Robot	
Painting Robot	
Assembly Robot	
Others	
Companies Profiled:	
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 Answered

- 1. How big is the global Force Torque Sensors market?
- 2. What is the demand of the global Force Torque Sensors market?
- 3. What is the year over year growth of the global Force Torque Sensors market?
- 4. What is the production and production value of the global Force Torque Sensors market?
- 5. Who are the key producers in the global Force Torque Sensors market?
- 6. What are the growth factors driving the market demand?



Contents

1 SUPPLY SUMMARY

- 1.1 Force Torque Sensors Introduction
- 1.2 World Force Torque Sensors Supply & Forecast
- 1.2.1 World Force Torque Sensors Production Value (2018 & 2022 & 2029)
- 1.2.2 World Force Torque Sensors Production (2018-2029)
- 1.2.3 World Force Torque Sensors Pricing Trends (2018-2029)
- 1.3 World Force Torque Sensors Production by Region (Based on Production Site)
 - 1.3.1 World Force Torque Sensors Production Value by Region (2018-2029)
 - 1.3.2 World Force Torque Sensors Production by Region (2018-2029)
 - 1.3.3 World Force Torque Sensors Average Price by Region (2018-2029)
 - 1.3.4 North America Force Torque Sensors Production (2018-2029)
 - 1.3.5 Europe Force Torque Sensors Production (2018-2029)
 - 1.3.6 China Force Torque Sensors Production (2018-2029)
 - 1.3.7 Japan Force Torque Sensors Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Force Torque Sensors Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Force Torque Sensors Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Force Torque Sensors Demand (2018-2029)
- 2.2 World Force Torque Sensors Consumption by Region
- 2.2.1 World Force Torque Sensors Consumption by Region (2018-2023)
- 2.2.2 World Force Torque Sensors Consumption Forecast by Region (2024-2029)
- 2.3 United States Force Torque Sensors Consumption (2018-2029)
- 2.4 China Force Torque Sensors Consumption (2018-2029)
- 2.5 Europe Force Torque Sensors Consumption (2018-2029)
- 2.6 Japan Force Torque Sensors Consumption (2018-2029)
- 2.7 South Korea Force Torque Sensors Consumption (2018-2029)
- 2.8 ASEAN Force Torque Sensors Consumption (2018-2029)
- 2.9 India Force Torque Sensors Consumption (2018-2029)



3 WORLD FORCE TORQUE SENSORS MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Force Torque Sensors Production Value by Manufacturer (2018-2023)
- 3.2 World Force Torque Sensors Production by Manufacturer (2018-2023)
- 3.3 World Force Torque Sensors Average Price by Manufacturer (2018-2023)
- 3.4 Force Torque Sensors Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Force Torque Sensors Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Force Torque Sensors in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Force Torque Sensors in 2022
- 3.6 Force Torque Sensors Market: Overall Company Footprint Analysis
 - 3.6.1 Force Torque Sensors Market: Region Footprint
 - 3.6.2 Force Torque Sensors Market: Company Product Type Footprint
- 3.6.3 Force Torque Sensors Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Force Torque Sensors Production Value Comparison
- 4.1.1 United States VS China: Force Torque Sensors Production Value Comparison (2018 & 2022 & 2029)
- 4.1.2 United States VS China: Force Torque Sensors Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Force Torque Sensors Production Comparison
- 4.2.1 United States VS China: Force Torque Sensors Production Comparison (2018 & 2022 & 2029)
- 4.2.2 United States VS China: Force Torque Sensors Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Force Torque Sensors Consumption Comparison
- 4.3.1 United States VS China: Force Torque Sensors Consumption Comparison (2018 & 2022 & 2029)
- 4.3.2 United States VS China: Force Torque Sensors Consumption Market Share Comparison (2018 & 2022 & 2029)



- 4.4 United States Based Force Torque Sensors Manufacturers and Market Share, 2018-2023
- 4.4.1 United States Based Force Torque Sensors Manufacturers, Headquarters and Production Site (States, Country)
- 4.4.2 United States Based Manufacturers Force Torque Sensors Production Value (2018-2023)
- 4.4.3 United States Based Manufacturers Force Torque Sensors Production (2018-2023)
- 4.5 China Based Force Torque Sensors Manufacturers and Market Share
- 4.5.1 China Based Force Torque Sensors Manufacturers, Headquarters and Production Site (Province, Country)
- 4.5.2 China Based Manufacturers Force Torque Sensors Production Value (2018-2023)
- 4.5.3 China Based Manufacturers Force Torque Sensors Production (2018-2023)
- 4.6 Rest of World Based Force Torque Sensors Manufacturers and Market Share, 2018-2023
- 4.6.1 Rest of World Based Force Torque Sensors Manufacturers, Headquarters and Production Site (State, Country)
- 4.6.2 Rest of World Based Manufacturers Force Torque Sensors Production Value (2018-2023)
- 4.6.3 Rest of World Based Manufacturers Force Torque Sensors Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

- 5.1 World Force Torque Sensors Market Size Overview by Type: 2018 VS 2022 VS 2029
- 5.2 Segment Introduction by Type
 - 5.2.1 Strain Gauge Sensor
 - 5.2.2 Capacitive Sensor
 - 5.2.3 Optical Sensor
- 5.3 Market Segment by Type
 - 5.3.1 World Force Torque Sensors Production by Type (2018-2029)
 - 5.3.2 World Force Torque Sensors Production Value by Type (2018-2029)
 - 5.3.3 World Force Torque Sensors Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Force Torque Sensors Market Size Overview by Application: 2018 VS 2022



VS 2029

- 6.2 Segment Introduction by Application
 - 6.2.1 Welding Robots
 - 6.2.2 Material Handling Robots
 - 6.2.3 Palletizing Robot
 - 6.2.4 Painting Robot
 - 6.2.5 Assembly Robot
 - 6.2.6 Others
- 6.3 Market Segment by Application
 - 6.3.1 World Force Torque Sensors Production by Application (2018-2029)
 - 6.3.2 World Force Torque Sensors Production Value by Application (2018-2029)
 - 6.3.3 World Force Torque Sensors Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 ABB

- 7.1.1 ABB Details
- 7.1.2 ABB Major Business
- 7.1.3 ABB Force Torque Sensors Product and Services
- 7.1.4 ABB Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.1.5 ABB Recent Developments/Updates
- 7.1.6 ABB Competitive Strengths & Weaknesses
- 7.2 Crane Electronics
 - 7.2.1 Crane Electronics Details
 - 7.2.2 Crane Electronics Major Business
 - 7.2.3 Crane Electronics Force Torque Sensors Product and Services
- 7.2.4 Crane Electronics Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.2.5 Crane Electronics Recent Developments/Updates
 - 7.2.6 Crane Electronics Competitive Strengths & Weaknesses
- 7.3 FUTEK Advanced Sensor Technology
 - 7.3.1 FUTEK Advanced Sensor Technology Details
 - 7.3.2 FUTEK Advanced Sensor Technology Major Business
- 7.3.3 FUTEK Advanced Sensor Technology Force Torque Sensors Product and Services
- 7.3.4 FUTEK Advanced Sensor Technology Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.3.5 FUTEK Advanced Sensor Technology Recent Developments/Updates



- 7.3.6 FUTEK Advanced Sensor Technology Competitive Strengths & Weaknesses
- 7.4 Applied Measurements
 - 7.4.1 Applied Measurements Details
 - 7.4.2 Applied Measurements Major Business
 - 7.4.3 Applied Measurements Force Torque Sensors Product and Services
- 7.4.4 Applied Measurements Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.4.5 Applied Measurements Recent Developments/Updates
- 7.4.6 Applied Measurements Competitive Strengths & Weaknesses
- 7.5 Honeywell International
- 7.5.1 Honeywell International Details
- 7.5.2 Honeywell International Major Business
- 7.5.3 Honeywell International Force Torque Sensors Product and Services
- 7.5.4 Honeywell International Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Honeywell International Recent Developments/Updates
 - 7.5.6 Honeywell International Competitive Strengths & Weaknesses
- 7.6 Kistler Holding
 - 7.6.1 Kistler Holding Details
 - 7.6.2 Kistler Holding Major Business
 - 7.6.3 Kistler Holding Force Torque Sensors Product and Services
- 7.6.4 Kistler Holding Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Kistler Holding Recent Developments/Updates
 - 7.6.6 Kistler Holding Competitive Strengths & Weaknesses
- 7.7 Sensor Technology
 - 7.7.1 Sensor Technology Details
 - 7.7.2 Sensor Technology Major Business
 - 7.7.3 Sensor Technology Force Torque Sensors Product and Services
- 7.7.4 Sensor Technology Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Sensor Technology Recent Developments/Updates
- 7.7.6 Sensor Technology Competitive Strengths & Weaknesses
- 7.8 Hottinger Baldwin Messtechnik
- 7.8.1 Hottinger Baldwin Messtechnik Details
- 7.8.2 Hottinger Baldwin Messtechnik Major Business
- 7.8.3 Hottinger Baldwin Messtechnik Force Torque Sensors Product and Services
- 7.8.4 Hottinger Baldwin Messtechnik Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)



- 7.8.5 Hottinger Baldwin Messtechnik Recent Developments/Updates
- 7.8.6 Hottinger Baldwin Messtechnik Competitive Strengths & Weaknesses
- 7.9 Norbar Torque Tools
 - 7.9.1 Norbar Torque Tools Details
 - 7.9.2 Norbar Torque Tools Major Business
 - 7.9.3 Norbar Torque Tools Force Torque Sensors Product and Services
- 7.9.4 Norbar Torque Tools Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.9.5 Norbar Torque Tools Recent Developments/Updates
 - 7.9.6 Norbar Torque Tools Competitive Strengths & Weaknesses
- 7.10 Infineon Technologies
 - 7.10.1 Infineon Technologies Details
 - 7.10.2 Infineon Technologies Major Business
 - 7.10.3 Infineon Technologies Force Torque Sensors Product and Services
- 7.10.4 Infineon Technologies Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.10.5 Infineon Technologies Recent Developments/Updates
 - 7.10.6 Infineon Technologies Competitive Strengths & Weaknesses
- 7.11 ATI Industrial Automation
 - 7.11.1 ATI Industrial Automation Details
 - 7.11.2 ATI Industrial Automation Major Business
 - 7.11.3 ATI Industrial Automation Force Torque Sensors Product and Services
 - 7.11.4 ATI Industrial Automation Force Torque Sensors Production, Price, Value,

Gross Margin and Market Share (2018-2023)

- 7.11.5 ATI Industrial Automation Recent Developments/Updates
- 7.11.6 ATI Industrial Automation Competitive Strengths & Weaknesses
- 7.12 OptoForce
 - 7.12.1 OptoForce Details
 - 7.12.2 OptoForce Major Business
 - 7.12.3 OptoForce Force Torque Sensors Product and Services
- 7.12.4 OptoForce Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.12.5 OptoForce Recent Developments/Updates
 - 7.12.6 OptoForce Competitive Strengths & Weaknesses
- 7.13 Robotiq
 - 7.13.1 Robotiq Details
 - 7.13.2 Robotiq Major Business
 - 7.13.3 Robotiq Force Torque Sensors Product and Services
- 7.13.4 Robotiq Force Torque Sensors Production, Price, Value, Gross Margin and



Market Share (2018-2023)

- 7.13.5 Robotiq Recent Developments/Updates
- 7.13.6 Robotiq Competitive Strengths & Weaknesses
- 7.14 OnRobot
 - 7.14.1 OnRobot Details
 - 7.14.2 OnRobot Major Business
 - 7.14.3 OnRobot Force Torque Sensors Product and Services
- 7.14.4 OnRobot Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.14.5 OnRobot Recent Developments/Updates
 - 7.14.6 OnRobot Competitive Strengths & Weaknesses
- 7.15 HBM
 - 7.15.1 HBM Details
 - 7.15.2 HBM Major Business
 - 7.15.3 HBM Force Torque Sensors Product and Services
- 7.15.4 HBM Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.15.5 HBM Recent Developments/Updates
- 7.15.6 HBM Competitive Strengths & Weaknesses
- 7.16 Jiangsu Lanmec Electromechanical Technology Co., Ltd
 - 7.16.1 Jiangsu Lanmec Electromechanical Technology Co., Ltd Details
 - 7.16.2 Jiangsu Lanmec Electromechanical Technology Co., Ltd Major Business
- 7.16.3 Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque Sensors Product and Services
- 7.16.4 Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.16.5 Jiangsu Lanmec Electromechanical Technology Co., Ltd Recent

Developments/Updates

- 7.16.6 Jiangsu Lanmec Electromechanical Technology Co., Ltd Competitive Strengths & Weaknesses
- 7.17 Schunk
 - 7.17.1 Schunk Details
 - 7.17.2 Schunk Major Business
 - 7.17.3 Schunk Force Torque Sensors Product and Services
- 7.17.4 Schunk Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.17.5 Schunk Recent Developments/Updates
 - 7.17.6 Schunk Competitive Strengths & Weaknesses
- 7.18 Olympus Technologies



- 7.18.1 Olympus Technologies Details
- 7.18.2 Olympus Technologies Major Business
- 7.18.3 Olympus Technologies Force Torque Sensors Product and Services
- 7.18.4 Olympus Technologies Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.18.5 Olympus Technologies Recent Developments/Updates
- 7.18.6 Olympus Technologies Competitive Strengths & Weaknesses
- 7.19 Unbox Industry
 - 7.19.1 Unbox Industry Details
 - 7.19.2 Unbox Industry Major Business
 - 7.19.3 Unbox Industry Force Torque Sensors Product and Services
- 7.19.4 Unbox Industry Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.19.5 Unbox Industry Recent Developments/Updates
 - 7.19.6 Unbox Industry Competitive Strengths & Weaknesses
- 7.20 Nordbo Robotics
 - 7.20.1 Nordbo Robotics Details
 - 7.20.2 Nordbo Robotics Major Business
 - 7.20.3 Nordbo Robotics Force Torque Sensors Product and Services
- 7.20.4 Nordbo Robotics Force Torque Sensors Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.20.5 Nordbo Robotics Recent Developments/Updates
 - 7.20.6 Nordbo Robotics Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Force Torque Sensors Industry Chain
- 8.2 Force Torque Sensors Upstream Analysis
 - 8.2.1 Force Torque Sensors Core Raw Materials
 - 8.2.2 Main Manufacturers of Force Torque Sensors Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Force Torque Sensors Production Mode
- 8.6 Force Torque Sensors Procurement Model
- 8.7 Force Torque Sensors Industry Sales Model and Sales Channels
 - 8.7.1 Force Torque Sensors Sales Model
 - 8.7.2 Force Torque Sensors Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION



10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer



List Of Tables

LIST OF TABLES

- Table 1. World Force Torque Sensors Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World Force Torque Sensors Production Value by Region (2018-2023) & (USD Million)
- Table 3. World Force Torque Sensors Production Value by Region (2024-2029) & (USD Million)
- Table 4. World Force Torque Sensors Production Value Market Share by Region (2018-2023)
- Table 5. World Force Torque Sensors Production Value Market Share by Region (2024-2029)
- Table 6. World Force Torque Sensors Production by Region (2018-2023) & (K Units)
- Table 7. World Force Torque Sensors Production by Region (2024-2029) & (K Units)
- Table 8. World Force Torque Sensors Production Market Share by Region (2018-2023)
- Table 9. World Force Torque Sensors Production Market Share by Region (2024-2029)
- Table 10. World Force Torque Sensors Average Price by Region (2018-2023) & (US\$/Unit)
- Table 11. World Force Torque Sensors Average Price by Region (2024-2029) & (US\$/Unit)
- Table 12. Force Torque Sensors Major Market Trends
- Table 13. World Force Torque Sensors Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)
- Table 14. World Force Torque Sensors Consumption by Region (2018-2023) & (K Units)
- Table 15. World Force Torque Sensors Consumption Forecast by Region (2024-2029) & (K Units)
- Table 16. World Force Torque Sensors Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key Force Torque Sensors Producers in 2022
- Table 18. World Force Torque Sensors Production by Manufacturer (2018-2023) & (K Units)
- Table 19. Production Market Share of Key Force Torque Sensors Producers in 2022
- Table 20. World Force Torque Sensors Average Price by Manufacturer (2018-2023) & (US\$/Unit)
- Table 21. Global Force Torque Sensors Company Evaluation Quadrant



- Table 22. World Force Torque Sensors Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and Force Torque Sensors Production Site of Key Manufacturer
- Table 24. Force Torque Sensors Market: Company Product Type Footprint
- Table 25. Force Torque Sensors Market: Company Product Application Footprint
- Table 26. Force Torque Sensors Competitive Factors
- Table 27. Force Torque Sensors New Entrant and Capacity Expansion Plans
- Table 28. Force Torque Sensors Mergers & Acquisitions Activity
- Table 29. United States VS China Force Torque Sensors Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China Force Torque Sensors Production Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 31. United States VS China Force Torque Sensors Consumption Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 32. United States Based Force Torque Sensors Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Force Torque Sensors Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers Force Torque Sensors Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers Force Torque Sensors Production (2018-2023) & (K Units)
- Table 36. United States Based Manufacturers Force Torque Sensors Production Market Share (2018-2023)
- Table 37. China Based Force Torque Sensors Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Force Torque Sensors Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers Force Torque Sensors Production Value Market Share (2018-2023)
- Table 40. China Based Manufacturers Force Torque Sensors Production (2018-2023) & (K Units)
- Table 41. China Based Manufacturers Force Torque Sensors Production Market Share (2018-2023)
- Table 42. Rest of World Based Force Torque Sensors Manufacturers, Headquarters and Production Site (States, Country)
- Table 43. Rest of World Based Manufacturers Force Torque Sensors Production Value, (2018-2023) & (USD Million)
- Table 44. Rest of World Based Manufacturers Force Torque Sensors Production Value



Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Force Torque Sensors Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Force Torque Sensors Production Market Share (2018-2023)

Table 47. World Force Torque Sensors Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Force Torque Sensors Production by Type (2018-2023) & (K Units)

Table 49. World Force Torque Sensors Production by Type (2024-2029) & (K Units)

Table 50. World Force Torque Sensors Production Value by Type (2018-2023) & (USD Million)

Table 51. World Force Torque Sensors Production Value by Type (2024-2029) & (USD Million)

Table 52. World Force Torque Sensors Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Force Torque Sensors Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Force Torque Sensors Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Force Torque Sensors Production by Application (2018-2023) & (K Units)

Table 56. World Force Torque Sensors Production by Application (2024-2029) & (K Units)

Table 57. World Force Torque Sensors Production Value by Application (2018-2023) & (USD Million)

Table 58. World Force Torque Sensors Production Value by Application (2024-2029) & (USD Million)

Table 59. World Force Torque Sensors Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Force Torque Sensors Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. ABB Basic Information, Manufacturing Base and Competitors

Table 62. ABB Major Business

Table 63. ABB Force Torque Sensors Product and Services

Table 64. ABB Force Torque Sensors Production (K Units), Price (US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. ABB Recent Developments/Updates

Table 66. ABB Competitive Strengths & Weaknesses

Table 67. Crane Electronics Basic Information, Manufacturing Base and Competitors



- Table 68. Crane Electronics Major Business
- Table 69. Crane Electronics Force Torque Sensors Product and Services
- Table 70. Crane Electronics Force Torque Sensors Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. Crane Electronics Recent Developments/Updates
- Table 72. Crane Electronics Competitive Strengths & Weaknesses
- Table 73. FUTEK Advanced Sensor Technology Basic Information, Manufacturing Base and Competitors
- Table 74. FUTEK Advanced Sensor Technology Major Business
- Table 75. FUTEK Advanced Sensor Technology Force Torque Sensors Product and Services
- Table 76. FUTEK Advanced Sensor Technology Force Torque Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. FUTEK Advanced Sensor Technology Recent Developments/Updates
- Table 78. FUTEK Advanced Sensor Technology Competitive Strengths & Weaknesses
- Table 79. Applied Measurements Basic Information, Manufacturing Base and Competitors
- Table 80. Applied Measurements Major Business
- Table 81. Applied Measurements Force Torque Sensors Product and Services
- Table 82. Applied Measurements Force Torque Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Applied Measurements Recent Developments/Updates
- Table 84. Applied Measurements Competitive Strengths & Weaknesses
- Table 85. Honeywell International Basic Information, Manufacturing Base and Competitors
- Table 86. Honeywell International Major Business
- Table 87. Honeywell International Force Torque Sensors Product and Services
- Table 88. Honeywell International Force Torque Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Honeywell International Recent Developments/Updates
- Table 90. Honeywell International Competitive Strengths & Weaknesses
- Table 91. Kistler Holding Basic Information, Manufacturing Base and Competitors
- Table 92. Kistler Holding Major Business
- Table 93. Kistler Holding Force Torque Sensors Product and Services
- Table 94. Kistler Holding Force Torque Sensors Production (K Units), Price (US\$/Unit),



- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 95. Kistler Holding Recent Developments/Updates
- Table 96. Kistler Holding Competitive Strengths & Weaknesses
- Table 97. Sensor Technology Basic Information, Manufacturing Base and Competitors
- Table 98. Sensor Technology Major Business
- Table 99. Sensor Technology Force Torque Sensors Product and Services
- Table 100. Sensor Technology Force Torque Sensors Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Sensor Technology Recent Developments/Updates
- Table 102. Sensor Technology Competitive Strengths & Weaknesses
- Table 103. Hottinger Baldwin Messtechnik Basic Information, Manufacturing Base and Competitors
- Table 104. Hottinger Baldwin Messtechnik Major Business
- Table 105. Hottinger Baldwin Messtechnik Force Torque Sensors Product and Services
- Table 106. Hottinger Baldwin Messtechnik Force Torque Sensors Production (K Units),
- Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. Hottinger Baldwin Messtechnik Recent Developments/Updates
- Table 108. Hottinger Baldwin Messtechnik Competitive Strengths & Weaknesses
- Table 109. Norbar Torque Tools Basic Information, Manufacturing Base and Competitors
- Table 110. Norbar Torque Tools Major Business
- Table 111. Norbar Torque Tools Force Torque Sensors Product and Services
- Table 112. Norbar Torque Tools Force Torque Sensors Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Norbar Torque Tools Recent Developments/Updates
- Table 114. Norbar Torque Tools Competitive Strengths & Weaknesses
- Table 115. Infineon Technologies Basic Information, Manufacturing Base and Competitors
- Table 116. Infineon Technologies Major Business
- Table 117. Infineon Technologies Force Torque Sensors Product and Services
- Table 118. Infineon Technologies Force Torque Sensors Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. Infineon Technologies Recent Developments/Updates
- Table 120. Infineon Technologies Competitive Strengths & Weaknesses
- Table 121. ATI Industrial Automation Basic Information, Manufacturing Base and



Competitors

- Table 122. ATI Industrial Automation Major Business
- Table 123. ATI Industrial Automation Force Torque Sensors Product and Services
- Table 124. ATI Industrial Automation Force Torque Sensors Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. ATI Industrial Automation Recent Developments/Updates
- Table 126. ATI Industrial Automation Competitive Strengths & Weaknesses
- Table 127. OptoForce Basic Information, Manufacturing Base and Competitors
- Table 128. OptoForce Major Business
- Table 129. OptoForce Force Torque Sensors Product and Services
- Table 130. OptoForce Force Torque Sensors Production (K Units), Price (US\$/Unit),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. OptoForce Recent Developments/Updates
- Table 132. OptoForce Competitive Strengths & Weaknesses
- Table 133. Robotiq Basic Information, Manufacturing Base and Competitors
- Table 134. Robotiq Major Business
- Table 135. Robotiq Force Torque Sensors Product and Services
- Table 136. Robotiq Force Torque Sensors Production (K Units), Price (US\$/Unit),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Robotiq Recent Developments/Updates
- Table 138. Robotiq Competitive Strengths & Weaknesses
- Table 139. OnRobot Basic Information, Manufacturing Base and Competitors
- Table 140. OnRobot Major Business
- Table 141. OnRobot Force Torque Sensors Product and Services
- Table 142. OnRobot Force Torque Sensors Production (K Units), Price (US\$/Unit),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. OnRobot Recent Developments/Updates
- Table 144. OnRobot Competitive Strengths & Weaknesses
- Table 145. HBM Basic Information, Manufacturing Base and Competitors
- Table 146. HBM Major Business
- Table 147. HBM Force Torque Sensors Product and Services
- Table 148. HBM Force Torque Sensors Production (K Units), Price (US\$/Unit),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 149. HBM Recent Developments/Updates
- Table 150. HBM Competitive Strengths & Weaknesses
- Table 151. Jiangsu Lanmec Electromechanical Technology Co., Ltd Basic Information,
- Manufacturing Base and Competitors
- Table 152. Jiangsu Lanmec Electromechanical Technology Co., Ltd Major Business



Table 153. Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque Sensors Product and Services

Table 154. Jiangsu Lanmec Electromechanical Technology Co., Ltd Force Torque Sensors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Jiangsu Lanmec Electromechanical Technology Co., Ltd Recent Developments/Updates

Table 156. Jiangsu Lanmec Electromechanical Technology Co., Ltd Competitive Strengths & Weaknesses

Table 157. Schunk Basic Information, Manufacturing Base and Competitors

Table 158. Schunk Major Business

Table 159. Schunk Force Torque Sensors Product and Services

Table 160. Schunk Force Torque Sensors Production (K Units), Price (US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 161. Schunk Recent Developments/Updates

Table 162. Schunk Competitive Strengths & Weaknesses

Table 163. Olympus Technologies Basic Information, Manufacturing Base and Competitors

Table 164. Olympus Technologies Major Business

Table 165. Olympus Technologies Force Torque Sensors Product and Services

Table 166. Olympus Technologies Force Torque Sensors Production (K Units), Price

(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 167. Olympus Technologies Recent Developments/Updates

Table 168. Olympus Technologies Competitive Strengths & Weaknesses

Table 169. Unbox Industry Basic Information, Manufacturing Base and Competitors

Table 170. Unbox Industry Major Business

Table 171. Unbox Industry Force Torque Sensors Product and Services

Table 172. Unbox Industry Force Torque Sensors Production (K Units), Price

(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 173. Unbox Industry Recent Developments/Updates

Table 174. Nordbo Robotics Basic Information, Manufacturing Base and Competitors

Table 175. Nordbo Robotics Major Business

Table 176. Nordbo Robotics Force Torque Sensors Product and Services

Table 177. Nordbo Robotics Force Torque Sensors Production (K Units), Price

(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 178. Global Key Players of Force Torque Sensors Upstream (Raw Materials)



Table 179. Force Torque Sensors Typical Customers Table 180. Force Torque Sensors Typical Distributors



List Of Figures

LIST OF FIGURES

- Figure 1. Force Torque Sensors Picture
- Figure 2. World Force Torque Sensors Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World Force Torque Sensors Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World Force Torque Sensors Production (2018-2029) & (K Units)
- Figure 5. World Force Torque Sensors Average Price (2018-2029) & (US\$/Unit)
- Figure 6. World Force Torque Sensors Production Value Market Share by Region (2018-2029)
- Figure 7. World Force Torque Sensors Production Market Share by Region (2018-2029)
- Figure 8. North America Force Torque Sensors Production (2018-2029) & (K Units)
- Figure 9. Europe Force Torque Sensors Production (2018-2029) & (K Units)
- Figure 10. China Force Torque Sensors Production (2018-2029) & (K Units)
- Figure 11. Japan Force Torque Sensors Production (2018-2029) & (K Units)
- Figure 12. Force Torque Sensors Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 15. World Force Torque Sensors Consumption Market Share by Region (2018-2029)
- Figure 16. United States Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 17. China Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 18. Europe Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 19. Japan Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 20. South Korea Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 21. ASEAN Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 22. India Force Torque Sensors Consumption (2018-2029) & (K Units)
- Figure 23. Producer Shipments of Force Torque Sensors by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 24. Global Four-firm Concentration Ratios (CR4) for Force Torque Sensors Markets in 2022
- Figure 25. Global Four-firm Concentration Ratios (CR8) for Force Torque Sensors Markets in 2022
- Figure 26. United States VS China: Force Torque Sensors Production Value Market Share Comparison (2018 & 2022 & 2029)
- Figure 27. United States VS China: Force Torque Sensors Production Market Share



Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Force Torque Sensors Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Force Torque Sensors Production Market Share 2022

Figure 30. China Based Manufacturers Force Torque Sensors Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Force Torque Sensors Production Market Share 2022

Figure 32. World Force Torque Sensors Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Force Torque Sensors Production Value Market Share by Type in 2022

Figure 34. Strain Gauge Sensor

Figure 35. Capacitive Sensor

Figure 36. Optical Sensor

Figure 37. World Force Torque Sensors Production Market Share by Type (2018-2029)

Figure 38. World Force Torque Sensors Production Value Market Share by Type (2018-2029)

Figure 39. World Force Torque Sensors Average Price by Type (2018-2029) & (US\$/Unit)

Figure 40. World Force Torque Sensors Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Force Torque Sensors Production Value Market Share by Application in 2022

Figure 42. Welding Robots

Figure 43. Material Handling Robots

Figure 44. Palletizing Robot

Figure 45. Painting Robot

Figure 46. Assembly Robot

Figure 47. Others

Figure 48. World Force Torque Sensors Production Market Share by Application (2018-2029)

Figure 49. World Force Torque Sensors Production Value Market Share by Application (2018-2029)

Figure 50. World Force Torque Sensors Average Price by Application (2018-2029) & (US\$/Unit)

Figure 51. Force Torque Sensors Industry Chain

Figure 52. Force Torque Sensors Procurement Model



Figure 53. Force Torque Sensors Sales Model

Figure 54. Force Torque Sensors Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source



I would like to order

Product name: Global Force Torque Sensors Supply, Demand and Key Producers, 2023-2029

Product link: https://marketpublishers.com/r/G6DBB2EB0B1EEN.html

Price: US\$ 4,480.00 (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/G6DBB2EB0B1EEN.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
	Custumer 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