

Global 6-Axis Force Torque Sensor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G44DCEC0F719EN.html>

Date: February 2023

Pages: 106

Price: US\$ 3,480.00 (Single User License)

ID: G44DCEC0F719EN

Abstracts

A 6-Axis Force Torque Sensor is a device that is used to ensure precision in robotic applications. The sensor is designed for robotic joint and it is commonly fitted onto the wrist of the robot arm to provide accurate force measurements for all three geometrical coordinates ($\pm F_x$, $\pm F_y$, $\pm F_z$) and the moments or torques around them ($\pm M_x$, $\pm M_y$, $\pm M_z$).

According to our (Global Info Research) latest study, the global 6-Axis Force Torque Sensor market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global 6-Axis Force Torque Sensor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global 6-Axis Force Torque Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global 6-Axis Force Torque Sensor market size and forecasts by region and country, in

consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global 6-Axis Force Torque Sensor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global 6-Axis Force Torque Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for 6-Axis Force Torque Sensor

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global 6-Axis Force Torque Sensor 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 OnRobot, ATI Industrial Automation, Inc., Kistler, ME-measurement systems GmbH and Bota Systems AG, etc.

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

Market Segmentation

6-Axis Force Torque Sensor market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Dynamic

Static State

Market segment by Application

Motor

Automobile

Aerospace

Medical

Manufacturing

Other

Major players covered

OnRobot

ATI Industrial Automation, Inc.

Kistler

ME-measurement systems GmbH

Bota Systems AG

Hypersen

Sunrise Instruments?SRI?

Minebea

ROBOTOUS

BCM SENSOR TECHNOLOGIES

PM Instrumentation

Zhimin

Nordbo Robotics

AIDIN ROBOTICS

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe 6-Axis Force Torque Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 6-Axis Force Torque Sensor, with price, sales, revenue and global market share of 6-Axis Force Torque Sensor from 2018 to 2023.

Chapter 3, the 6-Axis Force Torque Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 6-Axis Force Torque Sensor breakdown data are shown at the regional

level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and 6-Axis Force Torque Sensor market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of 6-Axis Force Torque Sensor.

Chapter 14 and 15, to describe 6-Axis Force Torque Sensor sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of 6-Axis Force Torque Sensor
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global 6-Axis Force Torque Sensor Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 Dynamic
 - 1.3.3 Static State
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global 6-Axis Force Torque Sensor Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Motor
 - 1.4.3 Automobile
 - 1.4.4 Aerospace
 - 1.4.5 Medical
 - 1.4.6 Manufacturing
 - 1.4.7 Other
- 1.5 Global 6-Axis Force Torque Sensor Market Size & Forecast
 - 1.5.1 Global 6-Axis Force Torque Sensor Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global 6-Axis Force Torque Sensor Sales Quantity (2018-2029)
 - 1.5.3 Global 6-Axis Force Torque Sensor Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 OnRobot
 - 2.1.1 OnRobot Details
 - 2.1.2 OnRobot Major Business
 - 2.1.3 OnRobot 6-Axis Force Torque Sensor Product and Services
 - 2.1.4 OnRobot 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 OnRobot Recent Developments/Updates
- 2.2 ATI Industrial Automation, Inc.
 - 2.2.1 ATI Industrial Automation, Inc. Details
 - 2.2.2 ATI Industrial Automation, Inc. Major Business
 - 2.2.3 ATI Industrial Automation, Inc. 6-Axis Force Torque Sensor Product and Services

2.2.4 ATI Industrial Automation, Inc. 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.2.5 ATI Industrial Automation, Inc. Recent Developments/Updates

2.3 Kistler

2.3.1 Kistler Details

2.3.2 Kistler Major Business

2.3.3 Kistler 6-Axis Force Torque Sensor Product and Services

2.3.4 Kistler 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 Kistler Recent Developments/Updates

2.4 ME-measurement systems GmbH

2.4.1 ME-measurement systems GmbH Details

2.4.2 ME-measurement systems GmbH Major Business

2.4.3 ME-measurement systems GmbH 6-Axis Force Torque Sensor Product and Services

2.4.4 ME-measurement systems GmbH 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 ME-measurement systems GmbH Recent Developments/Updates

2.5 Bota Systems AG

2.5.1 Bota Systems AG Details

2.5.2 Bota Systems AG Major Business

2.5.3 Bota Systems AG 6-Axis Force Torque Sensor Product and Services

2.5.4 Bota Systems AG 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 Bota Systems AG Recent Developments/Updates

2.6 Hypersen

2.6.1 Hypersen Details

2.6.2 Hypersen Major Business

2.6.3 Hypersen 6-Axis Force Torque Sensor Product and Services

2.6.4 Hypersen 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 Hypersen Recent Developments/Updates

2.7 Sunrise Instruments?SRI?

2.7.1 Sunrise Instruments?SRI? Details

2.7.2 Sunrise Instruments?SRI? Major Business

2.7.3 Sunrise Instruments?SRI? 6-Axis Force Torque Sensor Product and Services

2.7.4 Sunrise Instruments?SRI? 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Sunrise Instruments?SRI? Recent Developments/Updates

2.8 Minebea

2.8.1 Minebea Details

2.8.2 Minebea Major Business

2.8.3 Minebea 6-Axis Force Torque Sensor Product and Services

2.8.4 Minebea 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Minebea Recent Developments/Updates

2.9 ROBOTOUS

2.9.1 ROBOTOUS Details

2.9.2 ROBOTOUS Major Business

2.9.3 ROBOTOUS 6-Axis Force Torque Sensor Product and Services

2.9.4 ROBOTOUS 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 ROBOTOUS Recent Developments/Updates

2.10 BCM SENSOR TECHNOLOGIES

2.10.1 BCM SENSOR TECHNOLOGIES Details

2.10.2 BCM SENSOR TECHNOLOGIES Major Business

2.10.3 BCM SENSOR TECHNOLOGIES 6-Axis Force Torque Sensor Product and Services

2.10.4 BCM SENSOR TECHNOLOGIES 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 BCM SENSOR TECHNOLOGIES Recent Developments/Updates

2.11 PM Instrumentation

2.11.1 PM Instrumentation Details

2.11.2 PM Instrumentation Major Business

2.11.3 PM Instrumentation 6-Axis Force Torque Sensor Product and Services

2.11.4 PM Instrumentation 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 PM Instrumentation Recent Developments/Updates

2.12 Zhimin

2.12.1 Zhimin Details

2.12.2 Zhimin Major Business

2.12.3 Zhimin 6-Axis Force Torque Sensor Product and Services

2.12.4 Zhimin 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 Zhimin Recent Developments/Updates

2.13 Nordbo Robotics

2.13.1 Nordbo Robotics Details

2.13.2 Nordbo Robotics Major Business

- 2.13.3 Nordbo Robotics 6-Axis Force Torque Sensor Product and Services
- 2.13.4 Nordbo Robotics 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.13.5 Nordbo Robotics Recent Developments/Updates
- 2.14 AIDIN ROBOTICS
 - 2.14.1 AIDIN ROBOTICS Details
 - 2.14.2 AIDIN ROBOTICS Major Business
 - 2.14.3 AIDIN ROBOTICS 6-Axis Force Torque Sensor Product and Services
 - 2.14.4 AIDIN ROBOTICS 6-Axis Force Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.14.5 AIDIN ROBOTICS Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: 6-AXIS FORCE TORQUE SENSOR BY MANUFACTURER

- 3.1 Global 6-Axis Force Torque Sensor Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global 6-Axis Force Torque Sensor Revenue by Manufacturer (2018-2023)
- 3.3 Global 6-Axis Force Torque Sensor Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
 - 3.4.1 Producer Shipments of 6-Axis Force Torque Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2022
 - 3.4.2 Top 3 6-Axis Force Torque Sensor Manufacturer Market Share in 2022
 - 3.4.2 Top 6 6-Axis Force Torque Sensor Manufacturer Market Share in 2022
- 3.5 6-Axis Force Torque Sensor Market: Overall Company Footprint Analysis
 - 3.5.1 6-Axis Force Torque Sensor Market: Region Footprint
 - 3.5.2 6-Axis Force Torque Sensor Market: Company Product Type Footprint
 - 3.5.3 6-Axis Force Torque Sensor Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global 6-Axis Force Torque Sensor Market Size by Region
 - 4.1.1 Global 6-Axis Force Torque Sensor Sales Quantity by Region (2018-2029)
 - 4.1.2 Global 6-Axis Force Torque Sensor Consumption Value by Region (2018-2029)
 - 4.1.3 Global 6-Axis Force Torque Sensor Average Price by Region (2018-2029)
- 4.2 North America 6-Axis Force Torque Sensor Consumption Value (2018-2029)
- 4.3 Europe 6-Axis Force Torque Sensor Consumption Value (2018-2029)
- 4.4 Asia-Pacific 6-Axis Force Torque Sensor Consumption Value (2018-2029)

- 4.5 South America 6-Axis Force Torque Sensor Consumption Value (2018-2029)
- 4.6 Middle East and Africa 6-Axis Force Torque Sensor Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2029)
- 5.2 Global 6-Axis Force Torque Sensor Consumption Value by Type (2018-2029)
- 5.3 Global 6-Axis Force Torque Sensor Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2029)
- 6.2 Global 6-Axis Force Torque Sensor Consumption Value by Application (2018-2029)
- 6.3 Global 6-Axis Force Torque Sensor Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2029)
- 7.2 North America 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2029)
- 7.3 North America 6-Axis Force Torque Sensor Market Size by Country
 - 7.3.1 North America 6-Axis Force Torque Sensor Sales Quantity by Country (2018-2029)
 - 7.3.2 North America 6-Axis Force Torque Sensor Consumption Value by Country (2018-2029)
 - 7.3.3 United States Market Size and Forecast (2018-2029)
 - 7.3.4 Canada Market Size and Forecast (2018-2029)
 - 7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

- 8.1 Europe 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2029)
- 8.2 Europe 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2029)
- 8.3 Europe 6-Axis Force Torque Sensor Market Size by Country
 - 8.3.1 Europe 6-Axis Force Torque Sensor Sales Quantity by Country (2018-2029)
 - 8.3.2 Europe 6-Axis Force Torque Sensor Consumption Value by Country (2018-2029)
 - 8.3.3 Germany Market Size and Forecast (2018-2029)
 - 8.3.4 France Market Size and Forecast (2018-2029)

- 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
- 8.3.6 Russia Market Size and Forecast (2018-2029)
- 8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific 6-Axis Force Torque Sensor Market Size by Region
 - 9.3.1 Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Region (2018-2029)
 - 9.3.2 Asia-Pacific 6-Axis Force Torque Sensor Consumption Value by Region (2018-2029)
 - 9.3.3 China Market Size and Forecast (2018-2029)
 - 9.3.4 Japan Market Size and Forecast (2018-2029)
 - 9.3.5 Korea Market Size and Forecast (2018-2029)
 - 9.3.6 India Market Size and Forecast (2018-2029)
 - 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
 - 9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

- 10.1 South America 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2029)
- 10.2 South America 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2029)
- 10.3 South America 6-Axis Force Torque Sensor Market Size by Country
 - 10.3.1 South America 6-Axis Force Torque Sensor Sales Quantity by Country (2018-2029)
 - 10.3.2 South America 6-Axis Force Torque Sensor Consumption Value by Country (2018-2029)
 - 10.3.3 Brazil Market Size and Forecast (2018-2029)
 - 10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa 6-Axis Force Torque Sensor Market Size by Country

11.3.1 Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa 6-Axis Force Torque Sensor Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 6-Axis Force Torque Sensor Market Drivers

12.2 6-Axis Force Torque Sensor Market Restraints

12.3 6-Axis Force Torque Sensor Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of 6-Axis Force Torque Sensor and Key Manufacturers

13.2 Manufacturing Costs Percentage of 6-Axis Force Torque Sensor

13.3 6-Axis Force Torque Sensor Production Process

13.4 6-Axis Force Torque Sensor Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 6-Axis Force Torque Sensor Typical Distributors

14.3 6-Axis Force Torque Sensor Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global 6-Axis Force Torque Sensor Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 2. Global 6-Axis Force Torque Sensor Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. OnRobot Basic Information, Manufacturing Base and Competitors
- Table 4. OnRobot Major Business
- Table 5. OnRobot 6-Axis Force Torque Sensor Product and Services
- Table 6. OnRobot 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. OnRobot Recent Developments/Updates
- Table 8. ATI Industrial Automation, Inc. Basic Information, Manufacturing Base and Competitors
- Table 9. ATI Industrial Automation, Inc. Major Business
- Table 10. ATI Industrial Automation, Inc. 6-Axis Force Torque Sensor Product and Services
- Table 11. ATI Industrial Automation, Inc. 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 12. ATI Industrial Automation, Inc. Recent Developments/Updates
- Table 13. Kistler Basic Information, Manufacturing Base and Competitors
- Table 14. Kistler Major Business
- Table 15. Kistler 6-Axis Force Torque Sensor Product and Services
- Table 16. Kistler 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. Kistler Recent Developments/Updates
- Table 18. ME-measurement systems GmbH Basic Information, Manufacturing Base and Competitors
- Table 19. ME-measurement systems GmbH Major Business
- Table 20. ME-measurement systems GmbH 6-Axis Force Torque Sensor Product and Services
- Table 21. ME-measurement systems GmbH 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 22. ME-measurement systems GmbH Recent Developments/Updates
- Table 23. Bota Systems AG Basic Information, Manufacturing Base and Competitors

Table 24. Bota Systems AG Major Business

Table 25. Bota Systems AG 6-Axis Force Torque Sensor Product and Services

Table 26. Bota Systems AG 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Bota Systems AG Recent Developments/Updates

Table 28. Hypersen Basic Information, Manufacturing Base and Competitors

Table 29. Hypersen Major Business

Table 30. Hypersen 6-Axis Force Torque Sensor Product and Services

Table 31. Hypersen 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Hypersen Recent Developments/Updates

Table 33. Sunrise Instruments?SRI? Basic Information, Manufacturing Base and Competitors

Table 34. Sunrise Instruments?SRI? Major Business

Table 35. Sunrise Instruments?SRI? 6-Axis Force Torque Sensor Product and Services

Table 36. Sunrise Instruments?SRI? 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Sunrise Instruments?SRI? Recent Developments/Updates

Table 38. Minebea Basic Information, Manufacturing Base and Competitors

Table 39. Minebea Major Business

Table 40. Minebea 6-Axis Force Torque Sensor Product and Services

Table 41. Minebea 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Minebea Recent Developments/Updates

Table 43. ROBOTOUS Basic Information, Manufacturing Base and Competitors

Table 44. ROBOTOUS Major Business

Table 45. ROBOTOUS 6-Axis Force Torque Sensor Product and Services

Table 46. ROBOTOUS 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. ROBOTOUS Recent Developments/Updates

Table 48. BCM SENSOR TECHNOLOGIES Basic Information, Manufacturing Base and Competitors

Table 49. BCM SENSOR TECHNOLOGIES Major Business

Table 50. BCM SENSOR TECHNOLOGIES 6-Axis Force Torque Sensor Product and Services

Table 51. BCM SENSOR TECHNOLOGIES 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market

Share (2018-2023)

Table 52. BCM SENSOR TECHNOLOGIES Recent Developments/Updates

Table 53. PM Instrumentation Basic Information, Manufacturing Base and Competitors

Table 54. PM Instrumentation Major Business

Table 55. PM Instrumentation 6-Axis Force Torque Sensor Product and Services

Table 56. PM Instrumentation 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. PM Instrumentation Recent Developments/Updates

Table 58. Zhimin Basic Information, Manufacturing Base and Competitors

Table 59. Zhimin Major Business

Table 60. Zhimin 6-Axis Force Torque Sensor Product and Services

Table 61. Zhimin 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Zhimin Recent Developments/Updates

Table 63. Nordbo Robotics Basic Information, Manufacturing Base and Competitors

Table 64. Nordbo Robotics Major Business

Table 65. Nordbo Robotics 6-Axis Force Torque Sensor Product and Services

Table 66. Nordbo Robotics 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Nordbo Robotics Recent Developments/Updates

Table 68. AIDIN ROBOTICS Basic Information, Manufacturing Base and Competitors

Table 69. AIDIN ROBOTICS Major Business

Table 70. AIDIN ROBOTICS 6-Axis Force Torque Sensor Product and Services

Table 71. AIDIN ROBOTICS 6-Axis Force Torque Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. AIDIN ROBOTICS Recent Developments/Updates

Table 73. Global 6-Axis Force Torque Sensor Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 74. Global 6-Axis Force Torque Sensor Revenue by Manufacturer (2018-2023) & (USD Million)

Table 75. Global 6-Axis Force Torque Sensor Average Price by Manufacturer (2018-2023) & (USD/Unit)

Table 76. Market Position of Manufacturers in 6-Axis Force Torque Sensor, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 77. Head Office and 6-Axis Force Torque Sensor Production Site of Key Manufacturer

Table 78. 6-Axis Force Torque Sensor Market: Company Product Type Footprint

Table 79. 6-Axis Force Torque Sensor Market: Company Product Application Footprint

Table 80. 6-Axis Force Torque Sensor New Market Entrants and Barriers to Market Entry

Table 81. 6-Axis Force Torque Sensor Mergers, Acquisition, Agreements, and Collaborations

Table 82. Global 6-Axis Force Torque Sensor Sales Quantity by Region (2018-2023) & (K Units)

Table 83. Global 6-Axis Force Torque Sensor Sales Quantity by Region (2024-2029) & (K Units)

Table 84. Global 6-Axis Force Torque Sensor Consumption Value by Region (2018-2023) & (USD Million)

Table 85. Global 6-Axis Force Torque Sensor Consumption Value by Region (2024-2029) & (USD Million)

Table 86. Global 6-Axis Force Torque Sensor Average Price by Region (2018-2023) & (USD/Unit)

Table 87. Global 6-Axis Force Torque Sensor Average Price by Region (2024-2029) & (USD/Unit)

Table 88. Global 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 89. Global 6-Axis Force Torque Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 90. Global 6-Axis Force Torque Sensor Consumption Value by Type (2018-2023) & (USD Million)

Table 91. Global 6-Axis Force Torque Sensor Consumption Value by Type (2024-2029) & (USD Million)

Table 92. Global 6-Axis Force Torque Sensor Average Price by Type (2018-2023) & (USD/Unit)

Table 93. Global 6-Axis Force Torque Sensor Average Price by Type (2024-2029) & (USD/Unit)

Table 94. Global 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 95. Global 6-Axis Force Torque Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 96. Global 6-Axis Force Torque Sensor Consumption Value by Application (2018-2023) & (USD Million)

Table 97. Global 6-Axis Force Torque Sensor Consumption Value by Application (2024-2029) & (USD Million)

Table 98. Global 6-Axis Force Torque Sensor Average Price by Application (2018-2023)

& (USD/Unit)

Table 99. Global 6-Axis Force Torque Sensor Average Price by Application (2024-2029)

& (USD/Unit)

Table 100. North America 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 101. North America 6-Axis Force Torque Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 102. North America 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 103. North America 6-Axis Force Torque Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 104. North America 6-Axis Force Torque Sensor Sales Quantity by Country (2018-2023) & (K Units)

Table 105. North America 6-Axis Force Torque Sensor Sales Quantity by Country (2024-2029) & (K Units)

Table 106. North America 6-Axis Force Torque Sensor Consumption Value by Country (2018-2023) & (USD Million)

Table 107. North America 6-Axis Force Torque Sensor Consumption Value by Country (2024-2029) & (USD Million)

Table 108. Europe 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 109. Europe 6-Axis Force Torque Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 110. Europe 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 111. Europe 6-Axis Force Torque Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 112. Europe 6-Axis Force Torque Sensor Sales Quantity by Country (2018-2023) & (K Units)

Table 113. Europe 6-Axis Force Torque Sensor Sales Quantity by Country (2024-2029) & (K Units)

Table 114. Europe 6-Axis Force Torque Sensor Consumption Value by Country (2018-2023) & (USD Million)

Table 115. Europe 6-Axis Force Torque Sensor Consumption Value by Country (2024-2029) & (USD Million)

Table 116. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 117. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 118. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 119. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 120. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Region (2018-2023) & (K Units)

Table 121. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity by Region (2024-2029) & (K Units)

Table 122. Asia-Pacific 6-Axis Force Torque Sensor Consumption Value by Region (2018-2023) & (USD Million)

Table 123. Asia-Pacific 6-Axis Force Torque Sensor Consumption Value by Region (2024-2029) & (USD Million)

Table 124. South America 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 125. South America 6-Axis Force Torque Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 126. South America 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 127. South America 6-Axis Force Torque Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 128. South America 6-Axis Force Torque Sensor Sales Quantity by Country (2018-2023) & (K Units)

Table 129. South America 6-Axis Force Torque Sensor Sales Quantity by Country (2024-2029) & (K Units)

Table 130. South America 6-Axis Force Torque Sensor Consumption Value by Country (2018-2023) & (USD Million)

Table 131. South America 6-Axis Force Torque Sensor Consumption Value by Country (2024-2029) & (USD Million)

Table 132. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 133. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 134. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 135. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 136. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Region (2018-2023) & (K Units)

Table 137. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity by Region

(2024-2029) & (K Units)

Table 138. Middle East & Africa 6-Axis Force Torque Sensor Consumption Value by Region (2018-2023) & (USD Million)

Table 139. Middle East & Africa 6-Axis Force Torque Sensor Consumption Value by Region (2024-2029) & (USD Million)

Table 140. 6-Axis Force Torque Sensor Raw Material

Table 141. Key Manufacturers of 6-Axis Force Torque Sensor Raw Materials

Table 142. 6-Axis Force Torque Sensor Typical Distributors

Table 143. 6-Axis Force Torque Sensor Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. 6-Axis Force Torque Sensor Picture

Figure 2. Global 6-Axis Force Torque Sensor Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global 6-Axis Force Torque Sensor Consumption Value Market Share by Type in 2022

Figure 4. Dynamic Examples

Figure 5. Static State Examples

Figure 6. Global 6-Axis Force Torque Sensor Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global 6-Axis Force Torque Sensor Consumption Value Market Share by Application in 2022

Figure 8. Motor Examples

Figure 9. Automobile Examples

Figure 10. Aerospace Examples

Figure 11. Medical Examples

Figure 12. Manufacturing Examples

Figure 13. Other Examples

Figure 14. Global 6-Axis Force Torque Sensor Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 15. Global 6-Axis Force Torque Sensor Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 16. Global 6-Axis Force Torque Sensor Sales Quantity (2018-2029) & (K Units)

Figure 17. Global 6-Axis Force Torque Sensor Average Price (2018-2029) & (USD/Unit)

Figure 18. Global 6-Axis Force Torque Sensor Sales Quantity Market Share by Manufacturer in 2022

Figure 19. Global 6-Axis Force Torque Sensor Consumption Value Market Share by Manufacturer in 2022

Figure 20. Producer Shipments of 6-Axis Force Torque Sensor by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 21. Top 3 6-Axis Force Torque Sensor Manufacturer (Consumption Value) Market Share in 2022

Figure 22. Top 6 6-Axis Force Torque Sensor Manufacturer (Consumption Value) Market Share in 2022

Figure 23. Global 6-Axis Force Torque Sensor Sales Quantity Market Share by Region (2018-2029)

Figure 24. Global 6-Axis Force Torque Sensor Consumption Value Market Share by Region (2018-2029)

Figure 25. North America 6-Axis Force Torque Sensor Consumption Value (2018-2029) & (USD Million)

Figure 26. Europe 6-Axis Force Torque Sensor Consumption Value (2018-2029) & (USD Million)

Figure 27. Asia-Pacific 6-Axis Force Torque Sensor Consumption Value (2018-2029) & (USD Million)

Figure 28. South America 6-Axis Force Torque Sensor Consumption Value (2018-2029) & (USD Million)

Figure 29. Middle East & Africa 6-Axis Force Torque Sensor Consumption Value (2018-2029) & (USD Million)

Figure 30. Global 6-Axis Force Torque Sensor Sales Quantity Market Share by Type (2018-2029)

Figure 31. Global 6-Axis Force Torque Sensor Consumption Value Market Share by Type (2018-2029)

Figure 32. Global 6-Axis Force Torque Sensor Average Price by Type (2018-2029) & (USD/Unit)

Figure 33. Global 6-Axis Force Torque Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 34. Global 6-Axis Force Torque Sensor Consumption Value Market Share by Application (2018-2029)

Figure 35. Global 6-Axis Force Torque Sensor Average Price by Application (2018-2029) & (USD/Unit)

Figure 36. North America 6-Axis Force Torque Sensor Sales Quantity Market Share by Type (2018-2029)

Figure 37. North America 6-Axis Force Torque Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 38. North America 6-Axis Force Torque Sensor Sales Quantity Market Share by Country (2018-2029)

Figure 39. North America 6-Axis Force Torque Sensor Consumption Value Market Share by Country (2018-2029)

Figure 40. United States 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Canada 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Mexico 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 43. Europe 6-Axis Force Torque Sensor Sales Quantity Market Share by Type

(2018-2029)

Figure 44. Europe 6-Axis Force Torque Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 45. Europe 6-Axis Force Torque Sensor Sales Quantity Market Share by Country (2018-2029)

Figure 46. Europe 6-Axis Force Torque Sensor Consumption Value Market Share by Country (2018-2029)

Figure 47. Germany 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. France 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. United Kingdom 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Russia 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Italy 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity Market Share by Type (2018-2029)

Figure 53. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 54. Asia-Pacific 6-Axis Force Torque Sensor Sales Quantity Market Share by Region (2018-2029)

Figure 55. Asia-Pacific 6-Axis Force Torque Sensor Consumption Value Market Share by Region (2018-2029)

Figure 56. China 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Japan 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Korea 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. India 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Southeast Asia 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Australia 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. South America 6-Axis Force Torque Sensor Sales Quantity Market Share by Type (2018-2029)

- Figure 63. South America 6-Axis Force Torque Sensor Sales Quantity Market Share by Application (2018-2029)
- Figure 64. South America 6-Axis Force Torque Sensor Sales Quantity Market Share by Country (2018-2029)
- Figure 65. South America 6-Axis Force Torque Sensor Consumption Value Market Share by Country (2018-2029)
- Figure 66. Brazil 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 67. Argentina 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 68. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity Market Share by Type (2018-2029)
- Figure 69. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity Market Share by Application (2018-2029)
- Figure 70. Middle East & Africa 6-Axis Force Torque Sensor Sales Quantity Market Share by Region (2018-2029)
- Figure 71. Middle East & Africa 6-Axis Force Torque Sensor Consumption Value Market Share by Region (2018-2029)
- Figure 72. Turkey 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 73. Egypt 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 74. Saudi Arabia 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 75. South Africa 6-Axis Force Torque Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 76. 6-Axis Force Torque Sensor Market Drivers
- Figure 77. 6-Axis Force Torque Sensor Market Restraints
- Figure 78. 6-Axis Force Torque Sensor Market Trends
- Figure 79. Porters Five Forces Analysis
- Figure 80. Manufacturing Cost Structure Analysis of 6-Axis Force Torque Sensor in 2022
- Figure 81. Manufacturing Process Analysis of 6-Axis Force Torque Sensor
- Figure 82. 6-Axis Force Torque Sensor Industrial Chain
- Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 84. Direct Channel Pros & Cons
- Figure 85. Indirect Channel Pros & Cons
- Figure 86. Methodology
- Figure 87. Research Process and Data Source

I would like to order

Product name: Global 6-Axis Force Torque Sensor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/G44DCEC0F719EN.html>

Price: US\$ 3,480.00 (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/G44DCEC0F719EN.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

