

# Global Robot Force Sensors Market Growth 2023-2029

https://marketpublishers.com/r/GDC57B5F1DB7EN.html

Date: March 2023

Pages: 104

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

ID: GDC57B5F1DB7EN

## **Abstracts**

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

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Robot Force 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 Robot Force Sensors.

The global Robot Force 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 Robot Force 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 Robot Force 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 Robot Force 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 Robot Force Sensors players cover FANUC, OnRobot, Robotiq, Epson, Bota Systems, Mitsubishi Electric, ATI Industrial Automation, Nordbo Robotics and ME Systeme, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

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

Market Segmentation:

Segmentation by type

Six-Axis Force Sensors

2-4 Axis Force Sensor

Others

Segmentation by application

Precise Insertion & Assembly

Deburr Rough Castings

Polishing & Grinding

Sanding & Contouring

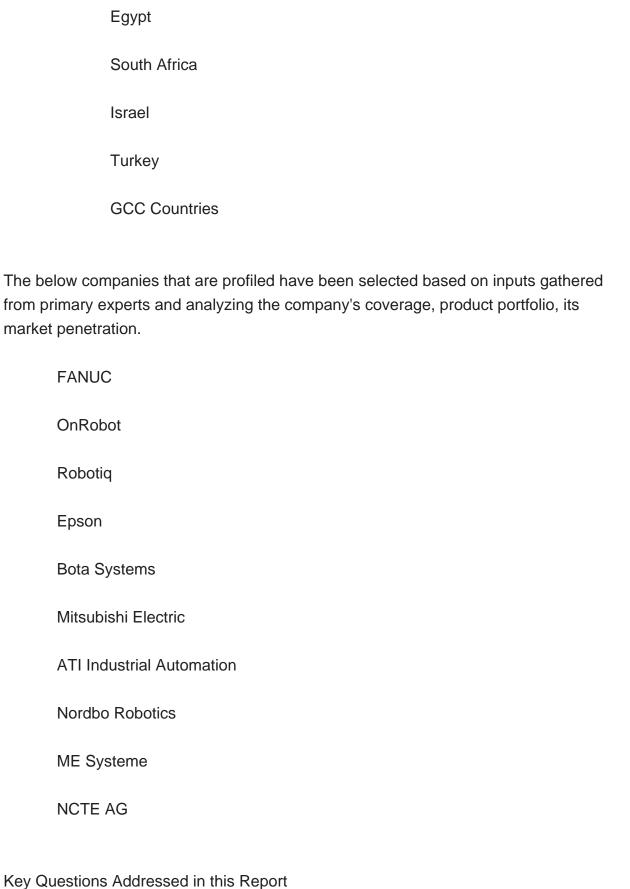


# This report also splits the market by region:

Americas		
	United States	
	Canada	
	Mexico	
	Brazil	
APAC		
	China	
	Japan	
	Korea	
	Southeast Asia	
	India	
	Australia	
Europe		
	Germany	
	France	
	UK	
	Italy	
	Russia	

Middle East & Africa





Global Robot Force Sensors Market Growth 2023-2029



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

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

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

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

How does Robot Force 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 Robot Force Sensors Annual Sales 2018-2029
- 2.1.2 World Current & Future Analysis for Robot Force Sensors by Geographic Region, 2018, 2022 & 2029
- 2.1.3 World Current & Future Analysis for Robot Force Sensors by Country/Region, 2018, 2022 & 2029
- 2.2 Robot Force Sensors Segment by Type
  - 2.2.1 Six-Axis Force Sensors
  - 2.2.2 2-4 Axis Force Sensor
  - 2.2.3 Others
- 2.3 Robot Force Sensors Sales by Type
  - 2.3.1 Global Robot Force Sensors Sales Market Share by Type (2018-2023)
  - 2.3.2 Global Robot Force Sensors Revenue and Market Share by Type (2018-2023)
  - 2.3.3 Global Robot Force Sensors Sale Price by Type (2018-2023)
- 2.4 Robot Force Sensors Segment by Application
  - 2.4.1 Precise Insertion & Assembly
  - 2.4.2 Deburr Rough Castings
  - 2.4.3 Polishing & Grinding
  - 2.4.4 Sanding & Contouring
- 2.5 Robot Force Sensors Sales by Application
- 2.5.1 Global Robot Force Sensors Sale Market Share by Application (2018-2023)
- 2.5.2 Global Robot Force Sensors Revenue and Market Share by Application (2018-2023)
  - 2.5.3 Global Robot Force Sensors Sale Price by Application (2018-2023)



#### 3 GLOBAL ROBOT FORCE SENSORS BY COMPANY

- 3.1 Global Robot Force Sensors Breakdown Data by Company
  - 3.1.1 Global Robot Force Sensors Annual Sales by Company (2018-2023)
  - 3.1.2 Global Robot Force Sensors Sales Market Share by Company (2018-2023)
- 3.2 Global Robot Force Sensors Annual Revenue by Company (2018-2023)
- 3.2.1 Global Robot Force Sensors Revenue by Company (2018-2023)
- 3.2.2 Global Robot Force Sensors Revenue Market Share by Company (2018-2023)
- 3.3 Global Robot Force Sensors Sale Price by Company
- 3.4 Key Manufacturers Robot Force Sensors Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Robot Force Sensors Product Location Distribution
  - 3.4.2 Players Robot Force 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 ROBOT FORCE SENSORS BY GEOGRAPHIC REGION

- 4.1 World Historic Robot Force Sensors Market Size by Geographic Region (2018-2023)
  - 4.1.1 Global Robot Force Sensors Annual Sales by Geographic Region (2018-2023)
- 4.1.2 Global Robot Force Sensors Annual Revenue by Geographic Region (2018-2023)
- 4.2 World Historic Robot Force Sensors Market Size by Country/Region (2018-2023)
  - 4.2.1 Global Robot Force Sensors Annual Sales by Country/Region (2018-2023)
- 4.2.2 Global Robot Force Sensors Annual Revenue by Country/Region (2018-2023)
- 4.3 Americas Robot Force Sensors Sales Growth
- 4.4 APAC Robot Force Sensors Sales Growth
- 4.5 Europe Robot Force Sensors Sales Growth
- 4.6 Middle East & Africa Robot Force Sensors Sales Growth

## **5 AMERICAS**

5.1 Americas Robot Force Sensors Sales by Country



- 5.1.1 Americas Robot Force Sensors Sales by Country (2018-2023)
- 5.1.2 Americas Robot Force Sensors Revenue by Country (2018-2023)
- 5.2 Americas Robot Force Sensors Sales by Type
- 5.3 Americas Robot Force Sensors Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

#### 6 APAC

- 6.1 APAC Robot Force Sensors Sales by Region
  - 6.1.1 APAC Robot Force Sensors Sales by Region (2018-2023)
  - 6.1.2 APAC Robot Force Sensors Revenue by Region (2018-2023)
- 6.2 APAC Robot Force Sensors Sales by Type
- 6.3 APAC Robot Force 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 Robot Force Sensors by Country
  - 7.1.1 Europe Robot Force Sensors Sales by Country (2018-2023)
  - 7.1.2 Europe Robot Force Sensors Revenue by Country (2018-2023)
- 7.2 Europe Robot Force Sensors Sales by Type
- 7.3 Europe Robot Force 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 Robot Force Sensors by Country
  - 8.1.1 Middle East & Africa Robot Force Sensors Sales by Country (2018-2023)
  - 8.1.2 Middle East & Africa Robot Force Sensors Revenue by Country (2018-2023)
- 8.2 Middle East & Africa Robot Force Sensors Sales by Type
- 8.3 Middle East & Africa Robot Force 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 Robot Force Sensors
- 10.3 Manufacturing Process Analysis of Robot Force Sensors
- 10.4 Industry Chain Structure of Robot Force Sensors

## 11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Robot Force Sensors Distributors
- 11.3 Robot Force Sensors Customer

# 12 WORLD FORECAST REVIEW FOR ROBOT FORCE SENSORS BY GEOGRAPHIC REGION

- 12.1 Global Robot Force Sensors Market Size Forecast by Region
  - 12.1.1 Global Robot Force Sensors Forecast by Region (2024-2029)
  - 12.1.2 Global Robot Force 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 Robot Force Sensors Forecast by Type
- 12.7 Global Robot Force Sensors Forecast by Application

#### 13 KEY PLAYERS ANALYSIS

- **13.1 FANUC** 
  - 13.1.1 FANUC Company Information
  - 13.1.2 FANUC Robot Force Sensors Product Portfolios and Specifications
- 13.1.3 FANUC Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.1.4 FANUC Main Business Overview
  - 13.1.5 FANUC Latest Developments
- 13.2 OnRobot
  - 13.2.1 OnRobot Company Information
  - 13.2.2 OnRobot Robot Force Sensors Product Portfolios and Specifications
- 13.2.3 OnRobot Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.2.4 OnRobot Main Business Overview
  - 13.2.5 OnRobot Latest Developments
- 13.3 Robotiq
  - 13.3.1 Robotiq Company Information
  - 13.3.2 Robotiq Robot Force Sensors Product Portfolios and Specifications
- 13.3.3 Robotiq Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.3.4 Robotiq Main Business Overview
  - 13.3.5 Robotiq Latest Developments
- 13.4 Epson
  - 13.4.1 Epson Company Information
  - 13.4.2 Epson Robot Force Sensors Product Portfolios and Specifications
- 13.4.3 Epson Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.4.4 Epson Main Business Overview
  - 13.4.5 Epson Latest Developments
- 13.5 Bota Systems
- 13.5.1 Bota Systems Company Information
- 13.5.2 Bota Systems Robot Force Sensors Product Portfolios and Specifications



- 13.5.3 Bota Systems Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.5.4 Bota Systems Main Business Overview
  - 13.5.5 Bota Systems Latest Developments
- 13.6 Mitsubishi Electric
  - 13.6.1 Mitsubishi Electric Company Information
  - 13.6.2 Mitsubishi Electric Robot Force Sensors Product Portfolios and Specifications
- 13.6.3 Mitsubishi Electric Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.6.4 Mitsubishi Electric Main Business Overview
  - 13.6.5 Mitsubishi Electric Latest Developments
- 13.7 ATI Industrial Automation
- 13.7.1 ATI Industrial Automation Company Information
- 13.7.2 ATI Industrial Automation Robot Force Sensors Product Portfolios and Specifications
- 13.7.3 ATI Industrial Automation Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.7.4 ATI Industrial Automation Main Business Overview
  - 13.7.5 ATI Industrial Automation Latest Developments
- 13.8 Nordbo Robotics
  - 13.8.1 Nordbo Robotics Company Information
  - 13.8.2 Nordbo Robotics Robot Force Sensors Product Portfolios and Specifications
- 13.8.3 Nordbo Robotics Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.8.4 Nordbo Robotics Main Business Overview
  - 13.8.5 Nordbo Robotics Latest Developments
- 13.9 ME Systeme
  - 13.9.1 ME Systeme Company Information
  - 13.9.2 ME Systeme Robot Force Sensors Product Portfolios and Specifications
- 13.9.3 ME Systeme Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.9.4 ME Systeme Main Business Overview
  - 13.9.5 ME Systeme Latest Developments
- 13.10 NCTE AG
  - 13.10.1 NCTE AG Company Information
  - 13.10.2 NCTE AG Robot Force Sensors Product Portfolios and Specifications
- 13.10.3 NCTE AG Robot Force Sensors Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.10.4 NCTE AG Main Business Overview



# 13.10.5 NCTE AG Latest Developments

# 14 RESEARCH FINDINGS AND CONCLUSION



# **List Of Tables**

#### LIST OF TABLES

- Table 1. Robot Force Sensors Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)
- Table 2. Robot Force Sensors Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)
- Table 3. Major Players of Six-Axis Force Sensors
- Table 4. Major Players of 2-4 Axis Force Sensor
- Table 5. Major Players of Others
- Table 6. Global Robot Force Sensors Sales by Type (2018-2023) & (Units)
- Table 7. Global Robot Force Sensors Sales Market Share by Type (2018-2023)
- Table 8. Global Robot Force Sensors Revenue by Type (2018-2023) & (\$ million)
- Table 9. Global Robot Force Sensors Revenue Market Share by Type (2018-2023)
- Table 10. Global Robot Force Sensors Sale Price by Type (2018-2023) & (US\$/Unit)
- Table 11. Global Robot Force Sensors Sales by Application (2018-2023) & (Units)
- Table 12. Global Robot Force Sensors Sales Market Share by Application (2018-2023)
- Table 13. Global Robot Force Sensors Revenue by Application (2018-2023)
- Table 14. Global Robot Force Sensors Revenue Market Share by Application (2018-2023)
- Table 15. Global Robot Force Sensors Sale Price by Application (2018-2023) & (US\$/Unit)
- Table 16. Global Robot Force Sensors Sales by Company (2018-2023) & (Units)
- Table 17. Global Robot Force Sensors Sales Market Share by Company (2018-2023)
- Table 18. Global Robot Force Sensors Revenue by Company (2018-2023) (\$ Millions)
- Table 19. Global Robot Force Sensors Revenue Market Share by Company (2018-2023)
- Table 20. Global Robot Force Sensors Sale Price by Company (2018-2023) & (US\$/Unit)
- Table 21. Key Manufacturers Robot Force Sensors Producing Area Distribution and Sales Area
- Table 22. Players Robot Force Sensors Products Offered
- Table 23. Robot Force Sensors Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- Table 24. New Products and Potential Entrants
- Table 25. Mergers & Acquisitions, Expansion
- Table 26. Global Robot Force Sensors Sales by Geographic Region (2018-2023) & (Units)



- Table 27. Global Robot Force Sensors Sales Market Share Geographic Region (2018-2023)
- Table 28. Global Robot Force Sensors Revenue by Geographic Region (2018-2023) & (\$ millions)
- Table 29. Global Robot Force Sensors Revenue Market Share by Geographic Region (2018-2023)
- Table 30. Global Robot Force Sensors Sales by Country/Region (2018-2023) & (Units)
- Table 31. Global Robot Force Sensors Sales Market Share by Country/Region (2018-2023)
- Table 32. Global Robot Force Sensors Revenue by Country/Region (2018-2023) & (\$ millions)
- Table 33. Global Robot Force Sensors Revenue Market Share by Country/Region (2018-2023)
- Table 34. Americas Robot Force Sensors Sales by Country (2018-2023) & (Units)
- Table 35. Americas Robot Force Sensors Sales Market Share by Country (2018-2023)
- Table 36. Americas Robot Force Sensors Revenue by Country (2018-2023) & (\$ Millions)
- Table 37. Americas Robot Force Sensors Revenue Market Share by Country (2018-2023)
- Table 38. Americas Robot Force Sensors Sales by Type (2018-2023) & (Units)
- Table 39. Americas Robot Force Sensors Sales by Application (2018-2023) & (Units)
- Table 40. APAC Robot Force Sensors Sales by Region (2018-2023) & (Units)
- Table 41. APAC Robot Force Sensors Sales Market Share by Region (2018-2023)
- Table 42. APAC Robot Force Sensors Revenue by Region (2018-2023) & (\$ Millions)
- Table 43. APAC Robot Force Sensors Revenue Market Share by Region (2018-2023)
- Table 44. APAC Robot Force Sensors Sales by Type (2018-2023) & (Units)
- Table 45. APAC Robot Force Sensors Sales by Application (2018-2023) & (Units)
- Table 46. Europe Robot Force Sensors Sales by Country (2018-2023) & (Units)
- Table 47. Europe Robot Force Sensors Sales Market Share by Country (2018-2023)
- Table 48. Europe Robot Force Sensors Revenue by Country (2018-2023) & (\$ Millions)
- Table 49. Europe Robot Force Sensors Revenue Market Share by Country (2018-2023)
- Table 50. Europe Robot Force Sensors Sales by Type (2018-2023) & (Units)
- Table 51. Europe Robot Force Sensors Sales by Application (2018-2023) & (Units)
- Table 52. Middle East & Africa Robot Force Sensors Sales by Country (2018-2023) & (Units)
- Table 53. Middle East & Africa Robot Force Sensors Sales Market Share by Country (2018-2023)
- Table 54. Middle East & Africa Robot Force Sensors Revenue by Country (2018-2023) & (\$ Millions)



- Table 55. Middle East & Africa Robot Force Sensors Revenue Market Share by Country (2018-2023)
- Table 56. Middle East & Africa Robot Force Sensors Sales by Type (2018-2023) & (Units)
- Table 57. Middle East & Africa Robot Force Sensors Sales by Application (2018-2023) & (Units)
- Table 58. Key Market Drivers & Growth Opportunities of Robot Force Sensors
- Table 59. Key Market Challenges & Risks of Robot Force Sensors
- Table 60. Key Industry Trends of Robot Force Sensors
- Table 61. Robot Force Sensors Raw Material
- Table 62. Key Suppliers of Raw Materials
- Table 63. Robot Force Sensors Distributors List
- Table 64. Robot Force Sensors Customer List
- Table 65. Global Robot Force Sensors Sales Forecast by Region (2024-2029) & (Units)
- Table 66. Global Robot Force Sensors Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 67. Americas Robot Force Sensors Sales Forecast by Country (2024-2029) & (Units)
- Table 68. Americas Robot Force Sensors Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 69. APAC Robot Force Sensors Sales Forecast by Region (2024-2029) & (Units)
- Table 70. APAC Robot Force Sensors Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 71. Europe Robot Force Sensors Sales Forecast by Country (2024-2029) & (Units)
- Table 72. Europe Robot Force Sensors Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 73. Middle East & Africa Robot Force Sensors Sales Forecast by Country (2024-2029) & (Units)
- Table 74. Middle East & Africa Robot Force Sensors Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 75. Global Robot Force Sensors Sales Forecast by Type (2024-2029) & (Units)
- Table 76. Global Robot Force Sensors Revenue Forecast by Type (2024-2029) & (\$ Millions)
- Table 77. Global Robot Force Sensors Sales Forecast by Application (2024-2029) & (Units)
- Table 78. Global Robot Force Sensors Revenue Forecast by Application (2024-2029) & (\$ Millions)
- Table 79. FANUC Basic Information, Robot Force Sensors Manufacturing Base, Sales



Area and Its Competitors

Table 80. FANUC Robot Force Sensors Product Portfolios and Specifications

Table 81. FANUC Robot Force Sensors Sales (Units), Revenue (\$ Million), Price

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

Table 82. FANUC Main Business

Table 83. FANUC Latest Developments

Table 84. OnRobot Basic Information, Robot Force Sensors Manufacturing Base, Sales

Area and Its Competitors

Table 85. OnRobot Robot Force Sensors Product Portfolios and Specifications

Table 86. OnRobot Robot Force Sensors Sales (Units), Revenue (\$ Million), Price

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

Table 87. OnRobot Main Business

Table 88. OnRobot Latest Developments

Table 89. Robotiq Basic Information, Robot Force Sensors Manufacturing Base, Sales

Area and Its Competitors

Table 90. Robotiq Robot Force Sensors Product Portfolios and Specifications

Table 91. Robotiq Robot Force Sensors Sales (Units), Revenue (\$ Million), Price

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

Table 92. Robotiq Main Business

Table 93. Robotiq Latest Developments

Table 94. Epson Basic Information, Robot Force Sensors Manufacturing Base, Sales

Area and Its Competitors

Table 95. Epson Robot Force Sensors Product Portfolios and Specifications

Table 96. Epson Robot Force Sensors Sales (Units), Revenue (\$ Million), Price

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

Table 97. Epson Main Business

Table 98. Epson Latest Developments

Table 99. Bota Systems Basic Information, Robot Force Sensors Manufacturing Base,

Sales Area and Its Competitors

Table 100. Bota Systems Robot Force Sensors Product Portfolios and Specifications

Table 101. Bota Systems Robot Force Sensors Sales (Units), Revenue (\$ Million), Price

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

Table 102. Bota Systems Main Business

Table 103. Bota Systems Latest Developments

Table 104. Mitsubishi Electric Basic Information, Robot Force Sensors Manufacturing

Base, Sales Area and Its Competitors

Table 105. Mitsubishi Electric Robot Force Sensors Product Portfolios and

**Specifications** 

Table 106. Mitsubishi Electric Robot Force Sensors Sales (Units), Revenue (\$ Million),



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

Table 107. Mitsubishi Electric Main Business

Table 108. Mitsubishi Electric Latest Developments

Table 109. ATI Industrial Automation Basic Information, Robot Force Sensors

Manufacturing Base, Sales Area and Its Competitors

Table 110. ATI Industrial Automation Robot Force Sensors Product Portfolios and Specifications

Table 111. ATI Industrial Automation Robot Force Sensors Sales (Units), Revenue (\$

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

Table 112. ATI Industrial Automation Main Business

Table 113. ATI Industrial Automation Latest Developments

Table 114. Nordbo Robotics Basic Information, Robot Force Sensors Manufacturing

Base, Sales Area and Its Competitors

Table 115. Nordbo Robotics Robot Force Sensors Product Portfolios and Specifications

Table 116. Nordbo Robotics Robot Force Sensors Sales (Units), Revenue (\$ Million),

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

Table 117. Nordbo Robotics Main Business

Table 118. Nordbo Robotics Latest Developments

Table 119. ME Systeme Basic Information, Robot Force Sensors Manufacturing Base,

Sales Area and Its Competitors

Table 120. ME Systeme Robot Force Sensors Product Portfolios and Specifications

Table 121. ME Systeme Robot Force Sensors Sales (Units), Revenue (\$ Million), Price

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

Table 122. ME Systeme Main Business

Table 123. ME Systeme Latest Developments

Table 124. NCTE AG Basic Information, Robot Force Sensors Manufacturing Base,

Sales Area and Its Competitors

Table 125. NCTE AG Robot Force Sensors Product Portfolios and Specifications

Table 126. NCTE AG Robot Force Sensors Sales (Units), Revenue (\$ Million), Price

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

Table 127. NCTE AG Main Business

Table 128. NCTE AG Latest Developments



# **List Of Figures**

#### LIST OF FIGURES

- Figure 1. Picture of Robot Force Sensors
- Figure 2. Robot Force Sensors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Robot Force Sensors Sales Growth Rate 2018-2029 (Units)
- Figure 7. Global Robot Force Sensors Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Robot Force Sensors Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Six-Axis Force Sensors
- Figure 10. Product Picture of 2-4 Axis Force Sensor
- Figure 11. Product Picture of Others
- Figure 12. Global Robot Force Sensors Sales Market Share by Type in 2022
- Figure 13. Global Robot Force Sensors Revenue Market Share by Type (2018-2023)
- Figure 14. Robot Force Sensors Consumed in Precise Insertion & Assembly
- Figure 15. Global Robot Force Sensors Market: Precise Insertion & Assembly (2018-2023) & (Units)
- Figure 16. Robot Force Sensors Consumed in Deburr Rough Castings
- Figure 17. Global Robot Force Sensors Market: Deburr Rough Castings (2018-2023) & (Units)
- Figure 18. Robot Force Sensors Consumed in Polishing & Grinding
- Figure 19. Global Robot Force Sensors Market: Polishing & Grinding (2018-2023) & (Units)
- Figure 20. Robot Force Sensors Consumed in Sanding & Contouring
- Figure 21. Global Robot Force Sensors Market: Sanding & Contouring (2018-2023) & (Units)
- Figure 22. Global Robot Force Sensors Sales Market Share by Application (2022)
- Figure 23. Global Robot Force Sensors Revenue Market Share by Application in 2022
- Figure 24. Robot Force Sensors Sales Market by Company in 2022 (Units)
- Figure 25. Global Robot Force Sensors Sales Market Share by Company in 2022
- Figure 26. Robot Force Sensors Revenue Market by Company in 2022 (\$ Million)
- Figure 27. Global Robot Force Sensors Revenue Market Share by Company in 2022
- Figure 28. Global Robot Force Sensors Sales Market Share by Geographic Region (2018-2023)
- Figure 29. Global Robot Force Sensors Revenue Market Share by Geographic Region in 2022



- Figure 30. Americas Robot Force Sensors Sales 2018-2023 (Units)
- Figure 31. Americas Robot Force Sensors Revenue 2018-2023 (\$ Millions)
- Figure 32. APAC Robot Force Sensors Sales 2018-2023 (Units)
- Figure 33. APAC Robot Force Sensors Revenue 2018-2023 (\$ Millions)
- Figure 34. Europe Robot Force Sensors Sales 2018-2023 (Units)
- Figure 35. Europe Robot Force Sensors Revenue 2018-2023 (\$ Millions)
- Figure 36. Middle East & Africa Robot Force Sensors Sales 2018-2023 (Units)
- Figure 37. Middle East & Africa Robot Force Sensors Revenue 2018-2023 (\$ Millions)
- Figure 38. Americas Robot Force Sensors Sales Market Share by Country in 2022
- Figure 39. Americas Robot Force Sensors Revenue Market Share by Country in 2022
- Figure 40. Americas Robot Force Sensors Sales Market Share by Type (2018-2023)
- Figure 41. Americas Robot Force Sensors Sales Market Share by Application (2018-2023)
- Figure 42. United States Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 43. Canada Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 44. Mexico Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 45. Brazil Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 46. APAC Robot Force Sensors Sales Market Share by Region in 2022
- Figure 47. APAC Robot Force Sensors Revenue Market Share by Regions in 2022
- Figure 48. APAC Robot Force Sensors Sales Market Share by Type (2018-2023)
- Figure 49. APAC Robot Force Sensors Sales Market Share by Application (2018-2023)
- Figure 50. China Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 51. Japan Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 52. South Korea Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 53. Southeast Asia Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 54. India Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 55. Australia Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 56. China Taiwan Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 57. Europe Robot Force Sensors Sales Market Share by Country in 2022
- Figure 58. Europe Robot Force Sensors Revenue Market Share by Country in 2022
- Figure 59. Europe Robot Force Sensors Sales Market Share by Type (2018-2023)
- Figure 60. Europe Robot Force Sensors Sales Market Share by Application (2018-2023)
- Figure 61. Germany Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 62. France Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 63. UK Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 64. Italy Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)
- Figure 65. Russia Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)



Figure 66. Middle East & Africa Robot Force Sensors Sales Market Share by Country in 2022

Figure 67. Middle East & Africa Robot Force Sensors Revenue Market Share by Country in 2022

Figure 68. Middle East & Africa Robot Force Sensors Sales Market Share by Type (2018-2023)

Figure 69. Middle East & Africa Robot Force Sensors Sales Market Share by Application (2018-2023)

Figure 70. Egypt Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 71. South Africa Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 72. Israel Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 73. Turkey Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 74. GCC Country Robot Force Sensors Revenue Growth 2018-2023 (\$ Millions)

Figure 75. Manufacturing Cost Structure Analysis of Robot Force Sensors in 2022

Figure 76. Manufacturing Process Analysis of Robot Force Sensors

Figure 77. Industry Chain Structure of Robot Force Sensors

Figure 78. Channels of Distribution

Figure 79. Global Robot Force Sensors Sales Market Forecast by Region (2024-2029)

Figure 80. Global Robot Force Sensors Revenue Market Share Forecast by Region (2024-2029)

Figure 81. Global Robot Force Sensors Sales Market Share Forecast by Type (2024-2029)

Figure 82. Global Robot Force Sensors Revenue Market Share Forecast by Type (2024-2029)

Figure 83. Global Robot Force Sensors Sales Market Share Forecast by Application (2024-2029)

Figure 84. Global Robot Force Sensors Revenue Market Share Forecast by Application (2024-2029)



## I would like to order

Product name: Global Robot Force Sensors Market Growth 2023-2029
Product link: <a href="https://marketpublishers.com/r/GDC57B5F1DB7EN.html">https://marketpublishers.com/r/GDC57B5F1DB7EN.html</a>

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 <a href="https://marketpublishers.com/r/GDC57B5F1DB7EN.html">https://marketpublishers.com/r/GDC57B5F1DB7EN.html</a>

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 <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

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