

Global Miniature Six-axis Torque Sensor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GA8CA4DE3822EN.html>

Date: September 2025

Pages: 114

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

ID: GA8CA4DE3822EN

Abstracts

According to our (Global Info Research) latest study, the global Miniature Six-axis Torque Sensor market size was valued at US\$ 342 million in 2024 and is forecast to a readjusted size of USD 519 million by 2031 with a CAGR of 5.2% during review period.

Miniature Six-axis Torque Sensor is a compact multi-dimensional mechanical measurement device that can simultaneously detect X/Y/Z three-axis force (F_x , F_y , F_z) and torque (M_x , M_y , M_z). The volume is usually less than 50mm³ and the weight is as light as less than 50g. It uses MEMS or micro strain gauge technology, integrates temperature compensation and digital signal processing (such as I²C/SPI output), and has millinewton-level force resolution (± 0.1 N) and millinewton-meter-level torque accuracy (± 0.01 Nm). Designed for space-constrained scenarios, it is widely used in micro-robot joint control, precision surgical instruments, consumer electronics tactile feedback, and micro-UAV power monitoring.

This report is a detailed and comprehensive analysis for global Miniature Six-axis 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 2025, are provided.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Key Features:

Global Miniature Six-axis Torque Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Miniature Six-axis Torque Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Miniature Six-axis Torque Sensor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Miniature Six-axis Torque Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Miniature Six-axis 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 Miniature Six-axis Torque Sensor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MinebeaMitsumi Inc., ATI Industrial Automation, FUTEK, Schunk, Robotiq, Kistler, Kunwei, Tecsis (Shenzhen) Sensors Co.,Ltd, Bota Systems, Hypersen Technologies Co.,Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Miniature Six-axis Torque Sensor market is split by Type and by Application. For the period 2020-2031, 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

Piezoelectric

Capacitive

Strain Gauge

Market segment by Application

Aerospace Field

Automotive Field

Industrial Field

Major players covered

MinebeaMitsumi Inc.

ATI Industrial Automation

FUTEK

Schunk

Robotiq

Kistler

Kunwei

Tecsis (Shenzhen) Sensors Co.,Ltd

Bota Systems

Hypersen Technologies Co.,Ltd.

Sinto

Robotous

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 Miniature Six-axis Torque Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Miniature Six-axis Torque Sensor, with price, sales quantity, revenue, and global market share of Miniature Six-axis Torque Sensor from 2020 to 2025.

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

Chapter 4, the Miniature Six-axis Torque Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Miniature Six-axis Torque Sensor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Miniature Six-axis Torque Sensor.

Chapter 14 and 15, to describe Miniature Six-axis Torque Sensor sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Miniature Six-axis Torque Sensor Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Piezoelectric

1.3.3 Capacitive

1.3.4 Strain Gauge

1.4 Market Analysis by Application

1.4.1 Overview: Global Miniature Six-axis Torque Sensor Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Aerospace Field

1.4.3 Automotive Field

1.4.4 Industrial Field

1.5 Global Miniature Six-axis Torque Sensor Market Size & Forecast

1.5.1 Global Miniature Six-axis Torque Sensor Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Miniature Six-axis Torque Sensor Sales Quantity (2020-2031)

1.5.3 Global Miniature Six-axis Torque Sensor Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 MinebeaMitsumi Inc.

2.1.1 MinebeaMitsumi Inc. Details

2.1.2 MinebeaMitsumi Inc. Major Business

2.1.3 MinebeaMitsumi Inc. Miniature Six-axis Torque Sensor Product and Services

2.1.4 MinebeaMitsumi Inc. Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 MinebeaMitsumi Inc. Recent Developments/Updates

2.2 ATI Industrial Automation

2.2.1 ATI Industrial Automation Details

2.2.2 ATI Industrial Automation Major Business

2.2.3 ATI Industrial Automation Miniature Six-axis Torque Sensor Product and Services

2.2.4 ATI Industrial Automation Miniature Six-axis Torque Sensor Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 ATI Industrial Automation Recent Developments/Updates

2.3 FUTEK

2.3.1 FUTEK Details

2.3.2 FUTEK Major Business

2.3.3 FUTEK Miniature Six-axis Torque Sensor Product and Services

2.3.4 FUTEK Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 FUTEK Recent Developments/Updates

2.4 Schunk

2.4.1 Schunk Details

2.4.2 Schunk Major Business

2.4.3 Schunk Miniature Six-axis Torque Sensor Product and Services

2.4.4 Schunk Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Schunk Recent Developments/Updates

2.5 Robotiq

2.5.1 Robotiq Details

2.5.2 Robotiq Major Business

2.5.3 Robotiq Miniature Six-axis Torque Sensor Product and Services

2.5.4 Robotiq Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Robotiq Recent Developments/Updates

2.6 Kistler

2.6.1 Kistler Details

2.6.2 Kistler Major Business

2.6.3 Kistler Miniature Six-axis Torque Sensor Product and Services

2.6.4 Kistler Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Kistler Recent Developments/Updates

2.7 Kunwei

2.7.1 Kunwei Details

2.7.2 Kunwei Major Business

2.7.3 Kunwei Miniature Six-axis Torque Sensor Product and Services

2.7.4 Kunwei Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Kunwei Recent Developments/Updates

2.8 Tecsis (Shenzhen) Sensors Co.,Ltd

2.8.1 Tecsis (Shenzhen) Sensors Co.,Ltd Details

- 2.8.2 Tecsis (Shenzhen) Sensors Co.,Ltd Major Business
- 2.8.3 Tecsis (Shenzhen) Sensors Co.,Ltd Miniature Six-axis Torque Sensor Product and Services
- 2.8.4 Tecsis (Shenzhen) Sensors Co.,Ltd Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Tecsis (Shenzhen) Sensors Co.,Ltd Recent Developments/Updates
- 2.9 Bota Systems
 - 2.9.1 Bota Systems Details
 - 2.9.2 Bota Systems Major Business
 - 2.9.3 Bota Systems Miniature Six-axis Torque Sensor Product and Services
 - 2.9.4 Bota Systems Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Bota Systems Recent Developments/Updates
- 2.10 Hypersen Technologies Co.,Ltd.
 - 2.10.1 Hypersen Technologies Co.,Ltd. Details
 - 2.10.2 Hypersen Technologies Co.,Ltd. Major Business
 - 2.10.3 Hypersen Technologies Co.,Ltd. Miniature Six-axis Torque Sensor Product and Services
 - 2.10.4 Hypersen Technologies Co.,Ltd. Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Hypersen Technologies Co.,Ltd. Recent Developments/Updates
- 2.11 Sinto
 - 2.11.1 Sinto Details
 - 2.11.2 Sinto Major Business
 - 2.11.3 Sinto Miniature Six-axis Torque Sensor Product and Services
 - 2.11.4 Sinto Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Sinto Recent Developments/Updates
- 2.12 Robotous
 - 2.12.1 Robotous Details
 - 2.12.2 Robotous Major Business
 - 2.12.3 Robotous Miniature Six-axis Torque Sensor Product and Services
 - 2.12.4 Robotous Miniature Six-axis Torque Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 Robotous Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MINIATURE SIX-AXIS TORQUE SENSOR BY MANUFACTURER

- 3.1 Global Miniature Six-axis Torque Sensor Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Miniature Six-axis Torque Sensor Revenue by Manufacturer (2020-2025)
- 3.3 Global Miniature Six-axis Torque Sensor Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Miniature Six-axis Torque Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Miniature Six-axis Torque Sensor Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Miniature Six-axis Torque Sensor Manufacturer Market Share in 2024
- 3.5 Miniature Six-axis Torque Sensor Market: Overall Company Footprint Analysis
 - 3.5.1 Miniature Six-axis Torque Sensor Market: Region Footprint
 - 3.5.2 Miniature Six-axis Torque Sensor Market: Company Product Type Footprint
 - 3.5.3 Miniature Six-axis 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 Miniature Six-axis Torque Sensor Market Size by Region
 - 4.1.1 Global Miniature Six-axis Torque Sensor Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Miniature Six-axis Torque Sensor Consumption Value by Region (2020-2031)
 - 4.1.3 Global Miniature Six-axis Torque Sensor Average Price by Region (2020-2031)
- 4.2 North America Miniature Six-axis Torque Sensor Consumption Value (2020-2031)
- 4.3 Europe Miniature Six-axis Torque Sensor Consumption Value (2020-2031)
- 4.4 Asia-Pacific Miniature Six-axis Torque Sensor Consumption Value (2020-2031)
- 4.5 South America Miniature Six-axis Torque Sensor Consumption Value (2020-2031)
- 4.6 Middle East & Africa Miniature Six-axis Torque Sensor Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2031)
- 5.2 Global Miniature Six-axis Torque Sensor Consumption Value by Type (2020-2031)
- 5.3 Global Miniature Six-axis Torque Sensor Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2031)
- 6.2 Global Miniature Six-axis Torque Sensor Consumption Value by Application (2020-2031)
- 6.3 Global Miniature Six-axis Torque Sensor Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2031)
- 7.2 North America Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2031)
- 7.3 North America Miniature Six-axis Torque Sensor Market Size by Country
 - 7.3.1 North America Miniature Six-axis Torque Sensor Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2031)
- 8.2 Europe Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2031)
- 8.3 Europe Miniature Six-axis Torque Sensor Market Size by Country
 - 8.3.1 Europe Miniature Six-axis Torque Sensor Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)
 - 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Application

(2020-2031)

9.3 Asia-Pacific Miniature Six-axis Torque Sensor Market Size by Region

9.3.1 Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Region

(2020-2031)

9.3.2 Asia-Pacific Miniature Six-axis Torque Sensor Consumption Value by Region

(2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Miniature Six-axis Torque Sensor Sales Quantity by Type

(2020-2031)

10.2 South America Miniature Six-axis Torque Sensor Sales Quantity by Application

(2020-2031)

10.3 South America Miniature Six-axis Torque Sensor Market Size by Country

10.3.1 South America Miniature Six-axis Torque Sensor Sales Quantity by Country

(2020-2031)

10.3.2 South America Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Type

(2020-2031)

11.2 Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Miniature Six-axis Torque Sensor Market Size by Country

11.3.1 Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

- 11.3.4 Egypt Market Size and Forecast (2020-2031)
- 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
- 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Miniature Six-axis Torque Sensor Market Drivers
- 12.2 Miniature Six-axis Torque Sensor Market Restraints
- 12.3 Miniature Six-axis 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

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Miniature Six-axis Torque Sensor and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Miniature Six-axis Torque Sensor
- 13.3 Miniature Six-axis Torque Sensor Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Miniature Six-axis Torque Sensor Typical Distributors
- 14.3 Miniature Six-axis 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 Miniature Six-axis Torque Sensor Consumption Value by Type, (USD Million), 2020 & 2024 & 2031
- Table 2. Global Miniature Six-axis Torque Sensor Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Table 3. MinebeaMitsumi Inc. Basic Information, Manufacturing Base and Competitors
- Table 4. MinebeaMitsumi Inc. Major Business
- Table 5. MinebeaMitsumi Inc. Miniature Six-axis Torque Sensor Product and Services
- Table 6. MinebeaMitsumi Inc. Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 7. MinebeaMitsumi Inc. Recent Developments/Updates
- Table 8. ATI Industrial Automation Basic Information, Manufacturing Base and Competitors
- Table 9. ATI Industrial Automation Major Business
- Table 10. ATI Industrial Automation Miniature Six-axis Torque Sensor Product and Services
- Table 11. ATI Industrial Automation Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 12. ATI Industrial Automation Recent Developments/Updates
- Table 13. FUTEK Basic Information, Manufacturing Base and Competitors
- Table 14. FUTEK Major Business
- Table 15. FUTEK Miniature Six-axis Torque Sensor Product and Services
- Table 16. FUTEK Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 17. FUTEK Recent Developments/Updates
- Table 18. Schunk Basic Information, Manufacturing Base and Competitors
- Table 19. Schunk Major Business
- Table 20. Schunk Miniature Six-axis Torque Sensor Product and Services
- Table 21. Schunk Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 22. Schunk Recent Developments/Updates
- Table 23. Robotiq Basic Information, Manufacturing Base and Competitors
- Table 24. Robotiq Major Business
- Table 25. Robotiq Miniature Six-axis Torque Sensor Product and Services

- Table 26. Robotiq Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 27. Robotiq Recent Developments/Updates
- Table 28. Kistler Basic Information, Manufacturing Base and Competitors
- Table 29. Kistler Major Business
- Table 30. Kistler Miniature Six-axis Torque Sensor Product and Services
- Table 31. Kistler Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 32. Kistler Recent Developments/Updates
- Table 33. Kunwei Basic Information, Manufacturing Base and Competitors
- Table 34. Kunwei Major Business
- Table 35. Kunwei Miniature Six-axis Torque Sensor Product and Services
- Table 36. Kunwei Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 37. Kunwei Recent Developments/Updates
- Table 38. Tecsis (Shenzhen) Sensors Co.,Ltd Basic Information, Manufacturing Base and Competitors
- Table 39. Tecsis (Shenzhen) Sensors Co.,Ltd Major Business
- Table 40. Tecsis (Shenzhen) Sensors Co.,Ltd Miniature Six-axis Torque Sensor Product and Services
- Table 41. Tecsis (Shenzhen) Sensors Co.,Ltd Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 42. Tecsis (Shenzhen) Sensors Co.,Ltd Recent Developments/Updates
- Table 43. Bota Systems Basic Information, Manufacturing Base and Competitors
- Table 44. Bota Systems Major Business
- Table 45. Bota Systems Miniature Six-axis Torque Sensor Product and Services
- Table 46. Bota Systems Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 47. Bota Systems Recent Developments/Updates
- Table 48. Hypersen Technologies Co.,Ltd. Basic Information, Manufacturing Base and Competitors
- Table 49. Hypersen Technologies Co.,Ltd. Major Business
- Table 50. Hypersen Technologies Co.,Ltd. Miniature Six-axis Torque Sensor Product and Services
- Table 51. Hypersen Technologies Co.,Ltd. Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

- Table 52. Hypersen Technologies Co.,Ltd. Recent Developments/Updates
- Table 53. Sinto Basic Information, Manufacturing Base and Competitors
- Table 54. Sinto Major Business
- Table 55. Sinto Miniature Six-axis Torque Sensor Product and Services
- Table 56. Sinto Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 57. Sinto Recent Developments/Updates
- Table 58. Robotous Basic Information, Manufacturing Base and Competitors
- Table 59. Robotous Major Business
- Table 60. Robotous Miniature Six-axis Torque Sensor Product and Services
- Table 61. Robotous Miniature Six-axis Torque Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 62. Robotous Recent Developments/Updates
- Table 63. Global Miniature Six-axis Torque Sensor Sales Quantity by Manufacturer (2020-2025) & (K Units)
- Table 64. Global Miniature Six-axis Torque Sensor Revenue by Manufacturer (2020-2025) & (USD Million)
- Table 65. Global Miniature Six-axis Torque Sensor Average Price by Manufacturer (2020-2025) & (US\$/Unit)
- Table 66. Market Position of Manufacturers in Miniature Six-axis Torque Sensor, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024
- Table 67. Head Office and Miniature Six-axis Torque Sensor Production Site of Key Manufacturer
- Table 68. Miniature Six-axis Torque Sensor Market: Company Product Type Footprint
- Table 69. Miniature Six-axis Torque Sensor Market: Company Product Application Footprint
- Table 70. Miniature Six-axis Torque Sensor New Market Entrants and Barriers to Market Entry
- Table 71. Miniature Six-axis Torque Sensor Mergers, Acquisition, Agreements, and Collaborations
- Table 72. Global Miniature Six-axis Torque Sensor Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR
- Table 73. Global Miniature Six-axis Torque Sensor Sales Quantity by Region (2020-2025) & (K Units)
- Table 74. Global Miniature Six-axis Torque Sensor Sales Quantity by Region (2026-2031) & (K Units)
- Table 75. Global Miniature Six-axis Torque Sensor Consumption Value by Region (2020-2025) & (USD Million)

Table 76. Global Miniature Six-axis Torque Sensor Consumption Value by Region (2026-2031) & (USD Million)

Table 77. Global Miniature Six-axis Torque Sensor Average Price by Region (2020-2025) & (US\$/Unit)

Table 78. Global Miniature Six-axis Torque Sensor Average Price by Region (2026-2031) & (US\$/Unit)

Table 79. Global Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 80. Global Miniature Six-axis Torque Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 81. Global Miniature Six-axis Torque Sensor Consumption Value by Type (2020-2025) & (USD Million)

Table 82. Global Miniature Six-axis Torque Sensor Consumption Value by Type (2026-2031) & (USD Million)

Table 83. Global Miniature Six-axis Torque Sensor Average Price by Type (2020-2025) & (US\$/Unit)

Table 84. Global Miniature Six-axis Torque Sensor Average Price by Type (2026-2031) & (US\$/Unit)

Table 85. Global Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 86. Global Miniature Six-axis Torque Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 87. Global Miniature Six-axis Torque Sensor Consumption Value by Application (2020-2025) & (USD Million)

Table 88. Global Miniature Six-axis Torque Sensor Consumption Value by Application (2026-2031) & (USD Million)

Table 89. Global Miniature Six-axis Torque Sensor Average Price by Application (2020-2025) & (US\$/Unit)

Table 90. Global Miniature Six-axis Torque Sensor Average Price by Application (2026-2031) & (US\$/Unit)

Table 91. North America Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 92. North America Miniature Six-axis Torque Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 93. North America Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 94. North America Miniature Six-axis Torque Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 95. North America Miniature Six-axis Torque Sensor Sales Quantity by Country

(2020-2025) & (K Units)

Table 96. North America Miniature Six-axis Torque Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 97. North America Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 98. North America Miniature Six-axis Torque Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 99. Europe Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 100. Europe Miniature Six-axis Torque Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 101. Europe Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 102. Europe Miniature Six-axis Torque Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 103. Europe Miniature Six-axis Torque Sensor Sales Quantity by Country (2020-2025) & (K Units)

Table 104. Europe Miniature Six-axis Torque Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 105. Europe Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 106. Europe Miniature Six-axis Torque Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 107. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 108. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 109. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 110. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 111. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Region (2020-2025) & (K Units)

Table 112. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity by Region (2026-2031) & (K Units)

Table 113. Asia-Pacific Miniature Six-axis Torque Sensor Consumption Value by Region (2020-2025) & (USD Million)

Table 114. Asia-Pacific Miniature Six-axis Torque Sensor Consumption Value by Region (2026-2031) & (USD Million)

Table 115. South America Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 116. South America Miniature Six-axis Torque Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 117. South America Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 118. South America Miniature Six-axis Torque Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 119. South America Miniature Six-axis Torque Sensor Sales Quantity by Country (2020-2025) & (K Units)

Table 120. South America Miniature Six-axis Torque Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 121. South America Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 122. South America Miniature Six-axis Torque Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 123. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 124. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 125. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 126. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 127. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Country (2020-2025) & (K Units)

Table 128. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 129. Middle East & Africa Miniature Six-axis Torque Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 130. Middle East & Africa Miniature Six-axis Torque Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 131. Miniature Six-axis Torque Sensor Raw Material

Table 132. Key Manufacturers of Miniature Six-axis Torque Sensor Raw Materials

Table 133. Miniature Six-axis Torque Sensor Typical Distributors

Table 134. Miniature Six-axis Torque Sensor Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Miniature Six-axis Torque Sensor Picture

Figure 2. Global Miniature Six-axis Torque Sensor Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Miniature Six-axis Torque Sensor Revenue Market Share by Type in 2024

Figure 4. Piezoelectric Examples

Figure 5. Capacitive Examples

Figure 6. Strain Gauge Examples

Figure 7. Global Miniature Six-axis Torque Sensor Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global Miniature Six-axis Torque Sensor Revenue Market Share by Application in 2024

Figure 9. Aerospace Field Examples

Figure 10. Automotive Field Examples

Figure 11. Industrial Field Examples

Figure 12. Global Miniature Six-axis Torque Sensor Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Miniature Six-axis Torque Sensor Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Miniature Six-axis Torque Sensor Sales Quantity (2020-2031) & (K Units)

Figure 15. Global Miniature Six-axis Torque Sensor Price (2020-2031) & (US\$/Unit)

Figure 16. Global Miniature Six-axis Torque Sensor Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Miniature Six-axis Torque Sensor Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Miniature Six-axis Torque Sensor by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Miniature Six-axis Torque Sensor Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Miniature Six-axis Torque Sensor Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Miniature Six-axis Torque Sensor Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Miniature Six-axis Torque Sensor Consumption Value Market Share

by Region (2020-2031)

Figure 23. North America Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Miniature Six-axis Torque Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Miniature Six-axis Torque Sensor Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Miniature Six-axis Torque Sensor Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global Miniature Six-axis Torque Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Miniature Six-axis Torque Sensor Revenue Market Share by Application (2020-2031)

Figure 33. Global Miniature Six-axis Torque Sensor Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America Miniature Six-axis Torque Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Miniature Six-axis Torque Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Miniature Six-axis Torque Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Miniature Six-axis Torque Sensor Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Miniature Six-axis Torque Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Miniature Six-axis Torque Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Miniature Six-axis Torque Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Miniature Six-axis Torque Sensor Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 46. France Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Miniature Six-axis Torque Sensor Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Miniature Six-axis Torque Sensor Consumption Value Market Share by Region (2020-2031)

Figure 54. China Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 57. India Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Miniature Six-axis Torque Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Miniature Six-axis Torque Sensor Sales Quantity Market

Share by Application (2020-2031)

Figure 62. South America Miniature Six-axis Torque Sensor Sales Quantity Market

Share by Country (2020-2031)

Figure 63. South America Miniature Six-axis Torque Sensor Consumption Value Market

Share by Country (2020-2031)

Figure 64. Brazil Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Miniature Six-axis Torque Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Miniature Six-axis Torque Sensor Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Miniature Six-axis Torque Sensor Consumption Value (2020-2031) & (USD Million)

Figure 74. Miniature Six-axis Torque Sensor Market Drivers

Figure 75. Miniature Six-axis Torque Sensor Market Restraints

Figure 76. Miniature Six-axis Torque Sensor Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Miniature Six-axis Torque Sensor in 2024

Figure 79. Manufacturing Process Analysis of Miniature Six-axis Torque Sensor

Figure 80. Miniature Six-axis Torque Sensor Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

I would like to order

Product name: Global Miniature Six-axis Torque Sensor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/GA8CA4DE3822EN.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/GA8CA4DE3822EN.html>