

Global Vision-Based Tactile Sensor for Robotics Market Growth 2026-2032

<https://marketpublishers.com/r/G5061498CBACEN.html>

Date: July 2026

Pages: 117

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

ID: G5061498CBACEN

Abstracts

The global Vision-Based Tactile Sensor for Robotics market size is predicted to grow from US\$ 85.60 million in 2025 to US\$ 200 million in 2032; it is expected to grow at a CAGR of 13.0% from 2026 to 2032.

In 2025, global Vision-Based Tactile Sensor for Robotics production reached approximately 250 k units with an average global market price of around US\$350 per unit. The upstream of the visuotactile sensor supply chain for humanoid robots encompasses precision optical components, special elastic materials, and microelectronic modules, concentrated in the fields of high-tech materials and precision instrument manufacturing. The midstream involves the design, integration, and testing of sensors, where an average of 5-8 visuotactile sensors are integrated into each humanoid robot, accounting for 30-40% of the total sensor complement. Downstream, the application of humanoid robots in industries such as manufacturing, medical rehabilitation, and scientific research is reflected, with the annual consumption of visuotactile sensors steadily increasing in line with market demand growth.

Visuotactile Sensor for Humanoid Robot is an advanced perception device that integrates high-precision optical imaging and tactile sensing technologies, enabling the robot to capture and analyze subtle deformations of the contact surface in real-time. This sensor is capable of detecting the hardness and texture of objects, as well as perceiving minute changes in force and sliding tendency, thereby endowing humanoid robots with a touch sensitivity similar to that of humans. This enhances their precision and accuracy when performing complex tasks, improves the quality of interaction with the environment, and increases the flexibility and adaptability of operations.

Vision-based tactile sensors for robotics will become the key for enterprises to break

through the high-end dexterous hand market, with leading companies like Tesla regarding them as the final piece of the puzzle for achieving delicate manipulation, driving enterprises to transform from single hardware sales to high value-added visual perception solutions. As technology routes have not yet converged, enterprises with the capability for multi-technology route integration hold a greater competitive advantage, able to resolve single-technology bottlenecks by combining optical and tactile perception, thereby establishing pricing power in the industrial chain and obtaining higher profits. The industry will develop towards arrayization, multi-modal fusion, and edge computing; this technological evolution not only enhances the adaptability and accuracy of products in complex environments but also prompts enterprises to utilize software-defined sensors to increase product premium capabilities. Furthermore, with the acceleration of humanoid robot mass production and the expansion of market space to the trillion-yuan level, the demand for vision-based tactile sensors will explode, and by optimizing manufacturing processes and mass production technologies to reduce marginal costs, enterprises will significantly improve their profitability structures while meeting huge market demands.

LP Information, Inc. (LPI) ' newest research report, the "Vision-Based Tactile Sensor for Robotics Industry Forecast" looks at past sales and reviews total world Vision-Based Tactile Sensor for Robotics sales in 2025, providing a comprehensive analysis by region and market sector of projected Vision-Based Tactile Sensor for Robotics sales for 2026 through 2032. With Vision-Based Tactile Sensor for Robotics sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Vision-Based Tactile Sensor for Robotics industry.

This Insight Report provides a comprehensive analysis of the global Vision-Based Tactile Sensor for Robotics 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 Vision-Based Tactile Sensor for Robotics portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Vision-Based Tactile Sensor for Robotics market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Vision-Based Tactile Sensor for Robotics 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 Vision-Based Tactile Sensor for Robotics.

This report presents a comprehensive overview, market shares, and growth opportunities of Vision-Based Tactile Sensor for Robotics market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Strain Gauge Type

Capacitive Type

Piezoelectric Type

Segmentation by Measurement Dimension:

3D Force Tactile Sensor

3D Force + 3D Torque Tactile Sensor

2D Force + 2D Torque Tactile Sensor

Segmentation by Resolution:

75 mm/pixel

275 mm/pixel

0.572 mm/pixel

70.5 mm/pixel

Segmentation by Application:

Robotic Gripper

Robotic Dexterous Hand

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

SynTouch

Weiss Robotics

Pressure Profile Systems

GelSight

FUTEK Advanced Sensor Technology

AIDIN ROBOTICS

Daimeng (Shenzhen) Robot Technology

PaXini Technology (Shenzhen)

Shanghai ViTai Robotics

Hong Kong Science & Technology Parks

Beijing Tashan Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Vision-Based Tactile Sensor for Robotics market?

What factors are driving Vision-Based Tactile Sensor for Robotics market growth, globally and by region?

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

How do Vision-Based Tactile Sensor for Robotics market opportunities vary by end market size?

How does Vision-Based Tactile Sensor for Robotics break out by Type, by Application?

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 Vision-Based Tactile Sensor for Robotics Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Vision-Based Tactile Sensor for Robotics by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Vision-Based Tactile Sensor for Robotics by Country/Region, 2021, 2025 & 2032

2.2 Vision-Based Tactile Sensor for Robotics Segment by Type

- 2.2.1 Strain Gauge Type
- 2.2.2 Capacitive Type
- 2.2.3 Piezoelectric Type
- 2.2.4 Vision-Based Tactile Sensor for Robotics Sales by Type
 - 2.2.4.1 Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Vision-Based Tactile Sensor for Robotics Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Vision-Based Tactile Sensor for Robotics Sale Price by Type (2021-2026)

2.3 Vision-Based Tactile Sensor for Robotics Segment by Measurement Dimension

- 2.3.1 3D Force Tactile Sensor
- 2.3.2 3D Force + 3D Torque Tactile Sensor
- 2.3.3 2D Force + 2D Torque Tactile Sensor
- 2.3.4 Vision-Based Tactile Sensor for Robotics Sales by Measurement Dimension
 - 2.3.4.1 Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Measurement Dimension (2021-2026)

2.3.4.2 Global Vision-Based Tactile Sensor for Robotics Revenue and Market Share by Measurement Dimension (2021-2026)

2.3.4.3 Global Vision-Based Tactile Sensor for Robotics Sale Price by Measurement Dimension (2021-2026)

2.4 Vision-Based Tactile Sensor for Robotics Segment by Resolution

2.4.1 ≥ 5 mm/pixel

2.4.2 $2\text{--}5$ mm/pixel

2.4.3 $0.5\text{--}2$ mm/pixel

2.4.4 ≥ 0.5 mm/pixel

2.4.5 Vision-Based Tactile Sensor for Robotics Sales by Resolution

2.4.5.1 Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Resolution (2021-2026)

2.4.5.2 Global Vision-Based Tactile Sensor for Robotics Revenue and Market Share by Resolution (2021-2026)

2.4.5.3 Global Vision-Based Tactile Sensor for Robotics Sale Price by Resolution (2021-2026)

2.5 Vision-Based Tactile Sensor for Robotics Segment by Application

2.5.1 Robotic Gripper

2.5.2 Robotic Dexterous Hand

2.5.3 Vision-Based Tactile Sensor for Robotics Sales by Application

2.5.3.1 Global Vision-Based Tactile Sensor for Robotics Sale Market Share by Application (2021-2026)

2.5.3.2 Global Vision-Based Tactile Sensor for Robotics Revenue and Market Share by Application (2021-2026)

2.5.3.3 Global Vision-Based Tactile Sensor for Robotics Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Vision-Based Tactile Sensor for Robotics Breakdown Data by Company

3.1.1 Global Vision-Based Tactile Sensor for Robotics Annual Sales by Company (2021-2026)

3.1.2 Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Company (2021-2026)

3.2 Global Vision-Based Tactile Sensor for Robotics Annual Revenue by Company (2021-2026)

3.2.1 Global Vision-Based Tactile Sensor for Robotics Revenue by Company (2021-2026)

3.2.2 Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by

Company (2021-2026)

3.3 Global Vision-Based Tactile Sensor for Robotics Sale Price by Company

3.4 Key Manufacturers Vision-Based Tactile Sensor for Robotics Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Vision-Based Tactile Sensor for Robotics Product Location Distribution

3.4.2 Players Vision-Based Tactile Sensor for Robotics Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR VISION-BASED TACTILE SENSOR FOR ROBOTICS BY GEOGRAPHIC REGION

4.1 World Historic Vision-Based Tactile Sensor for Robotics Market Size by Geographic Region (2021-2026)

4.1.1 Global Vision-Based Tactile Sensor for Robotics Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Vision-Based Tactile Sensor for Robotics Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Vision-Based Tactile Sensor for Robotics Market Size by Country/Region (2021-2026)

4.2.1 Global Vision-Based Tactile Sensor for Robotics Annual Sales by Country/Region (2021-2026)

4.2.2 Global Vision-Based Tactile Sensor for Robotics Annual Revenue by Country/Region (2021-2026)

4.3 Americas Vision-Based Tactile Sensor for Robotics Sales Growth

4.4 APAC Vision-Based Tactile Sensor for Robotics Sales Growth

4.5 Europe Vision-Based Tactile Sensor for Robotics Sales Growth

4.6 Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales Growth

5 AMERICAS

5.1 Americas Vision-Based Tactile Sensor for Robotics Sales by Country

5.1.1 Americas Vision-Based Tactile Sensor for Robotics Sales by Country (2021-2026)

5.1.2 Americas Vision-Based Tactile Sensor for Robotics Revenue by Country

(2021-2026)

5.2 Americas Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026)

5.3 Americas Vision-Based Tactile Sensor for Robotics Sales by Application

(2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Vision-Based Tactile Sensor for Robotics Sales by Region

6.1.1 APAC Vision-Based Tactile Sensor for Robotics Sales by Region (2021-2026)

6.1.2 APAC Vision-Based Tactile Sensor for Robotics Revenue by Region

(2021-2026)

6.2 APAC Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026)

6.3 APAC Vision-Based Tactile Sensor for Robotics Sales by Application (2021-2026)

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 Vision-Based Tactile Sensor for Robotics by Country

7.1.1 Europe Vision-Based Tactile Sensor for Robotics Sales by Country (2021-2026)

7.1.2 Europe Vision-Based Tactile Sensor for Robotics Revenue by Country

(2021-2026)

7.2 Europe Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026)

7.3 Europe Vision-Based Tactile Sensor for Robotics Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Vision-Based Tactile Sensor for Robotics by Country

8.1.1 Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales by Country (2021-2026)

8.1.2 Middle East & Africa Vision-Based Tactile Sensor for Robotics Revenue by Country (2021-2026)

8.2 Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026)

8.3 Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales by Application (2021-2026)

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 Vision-Based Tactile Sensor for Robotics

10.3 Manufacturing Process Analysis of Vision-Based Tactile Sensor for Robotics

10.4 Industry Chain Structure of Vision-Based Tactile Sensor for Robotics

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Vision-Based Tactile Sensor for Robotics Distributors

11.3 Vision-Based Tactile Sensor for Robotics Customer

12 WORLD FORECAST REVIEW FOR VISION-BASED TACTILE SENSOR FOR

ROBOTICS BY GEOGRAPHIC REGION

12.1 Global Vision-Based Tactile Sensor for Robotics Market Size Forecast by Region

12.1.1 Global Vision-Based Tactile Sensor for Robotics Forecast by Region (2027-2032)

12.1.2 Global Vision-Based Tactile Sensor for Robotics Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Vision-Based Tactile Sensor for Robotics Forecast by Type (2027-2032)

12.7 Global Vision-Based Tactile Sensor for Robotics Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 SynTouch

13.1.1 SynTouch Company Information

13.1.2 SynTouch Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

13.1.3 SynTouch Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 SynTouch Main Business Overview

13.1.5 SynTouch Latest Developments

13.2 Weiss Robotics

13.2.1 Weiss Robotics Company Information

13.2.2 Weiss Robotics Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

13.2.3 Weiss Robotics Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Weiss Robotics Main Business Overview

13.2.5 Weiss Robotics Latest Developments

13.3 Pressure Profile Systems

13.3.1 Pressure Profile Systems Company Information

13.3.2 Pressure Profile Systems Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

13.3.3 Pressure Profile Systems Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.3.4 Pressure Profile Systems Main Business Overview
- 13.3.5 Pressure Profile Systems Latest Developments
- 13.4 GelSight
 - 13.4.1 GelSight Company Information
 - 13.4.2 GelSight Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications
 - 13.4.3 GelSight Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.4.4 GelSight Main Business Overview
 - 13.4.5 GelSight Latest Developments
- 13.5 FUTEK Advanced Sensor Technology
 - 13.5.1 FUTEK Advanced Sensor Technology Company Information
 - 13.5.2 FUTEK Advanced Sensor Technology Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications
 - 13.5.3 FUTEK Advanced Sensor Technology Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 FUTEK Advanced Sensor Technology Main Business Overview
 - 13.5.5 FUTEK Advanced Sensor Technology Latest Developments
- 13.6 AIDIN ROBOTICS
 - 13.6.1 AIDIN ROBOTICS Company Information
 - 13.6.2 AIDIN ROBOTICS Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications
 - 13.6.3 AIDIN ROBOTICS Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 AIDIN ROBOTICS Main Business Overview
 - 13.6.5 AIDIN ROBOTICS Latest Developments
- 13.7 Daimeng (Shenzhen) Robot Technology
 - 13.7.1 Daimeng (Shenzhen) Robot Technology Company Information
 - 13.7.2 Daimeng (Shenzhen) Robot Technology Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications
 - 13.7.3 Daimeng (Shenzhen) Robot Technology Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.7.4 Daimeng (Shenzhen) Robot Technology Main Business Overview
 - 13.7.5 Daimeng (Shenzhen) Robot Technology Latest Developments
- 13.8 PaXini Technology (Shenzhen)
 - 13.8.1 PaXini Technology (Shenzhen) Company Information
 - 13.8.2 PaXini Technology (Shenzhen) Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications
 - 13.8.3 PaXini Technology (Shenzhen) Vision-Based Tactile Sensor for Robotics Sales,

Revenue, Price and Gross Margin (2021-2026)

13.8.4 PaXini Technology (Shenzhen) Main Business Overview

13.8.5 PaXini Technology (Shenzhen) Latest Developments

13.9 Shanghai ViTai Robotics

13.9.1 Shanghai ViTai Robotics Company Information

13.9.2 Shanghai ViTai Robotics Vision-Based Tactile Sensor for Robotics Product

Portfolios and Specifications

13.9.3 Shanghai ViTai Robotics Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Shanghai ViTai Robotics Main Business Overview

13.9.5 Shanghai ViTai Robotics Latest Developments

13.10 Hong Kong Science & Technology Parks

13.10.1 Hong Kong Science & Technology Parks Company Information

13.10.2 Hong Kong Science & Technology Parks Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

13.10.3 Hong Kong Science & Technology Parks Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Hong Kong Science & Technology Parks Main Business Overview

13.10.5 Hong Kong Science & Technology Parks Latest Developments

13.11 Beijing Tashan Technology

13.11.1 Beijing Tashan Technology Company Information

13.11.2 Beijing Tashan Technology Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

13.11.3 Beijing Tashan Technology Vision-Based Tactile Sensor for Robotics Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Beijing Tashan Technology Main Business Overview

13.11.5 Beijing Tashan Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Vision-Based Tactile Sensor for Robotics Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Vision-Based Tactile Sensor for Robotics Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Strain Gauge Type

Table 4. Major Players of Capacitive Type

Table 5. Major Players of Piezoelectric Type

Table 6. Global Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026) & (K Units)

Table 7. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Type (2021-2026)

Table 8. Global Vision-Based Tactile Sensor for Robotics Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Type (2021-2026)

Table 10. Global Vision-Based Tactile Sensor for Robotics Sale Price by Type (2021-2026) & (US\$/Unit)

Table 11. Major Players of 3D Force Tactile Sensor

Table 12. Major Players of 3D Force + 3D Torque Tactile Sensor

Table 13. Major Players of 2D Force + 2D Torque Tactile Sensor

Table 14. Global Vision-Based Tactile Sensor for Robotics Sales by Measurement Dimension (2021-2026) & (K Units)

Table 15. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Measurement Dimension (2021-2026)

Table 16. Global Vision-Based Tactile Sensor for Robotics Revenue by Measurement Dimension (2021-2026) & (\$ million)

Table 17. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Measurement Dimension (2021-2026)

Table 18. Global Vision-Based Tactile Sensor for Robotics Sale Price by Measurement Dimension (2021-2026) & (US\$/Unit)

Table 19. Major Players of ≥ 5 mm/pixel

Table 20. Major Players of $2\geq 5$ mm/pixel

Table 21. Major Players of $0.5\geq 2$ mm/pixel

Table 22. Major Players of ≥ 0.5 mm/pixel

Table 23. Global Vision-Based Tactile Sensor for Robotics Sales by Resolution

(2021-2026) & (K Units)

Table 24. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Resolution (2021-2026)

Table 25. Global Vision-Based Tactile Sensor for Robotics Revenue by Resolution (2021-2026) & (\$ million)

Table 26. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Resolution (2021-2026)

Table 27. Global Vision-Based Tactile Sensor for Robotics Sale Price by Resolution (2021-2026) & (US\$/Unit)

Table 28. Global Vision-Based Tactile Sensor for Robotics Sale by Application (2021-2026) & (K Units)

Table 29. Global Vision-Based Tactile Sensor for Robotics Sale Market Share by Application (2021-2026)

Table 30. Global Vision-Based Tactile Sensor for Robotics Revenue by Application (2021-2026) & (\$ million)

Table 31. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Application (2021-2026)

Table 32. Global Vision-Based Tactile Sensor for Robotics Sale Price by Application (2021-2026) & (US\$/Unit)

Table 33. Global Vision-Based Tactile Sensor for Robotics Sales by Company (2021-2026) & (K Units)

Table 34. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Company (2021-2026)

Table 35. Global Vision-Based Tactile Sensor for Robotics Revenue by Company (2021-2026) & (\$ millions)

Table 36. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Company (2021-2026)

Table 37. Global Vision-Based Tactile Sensor for Robotics Sale Price by Company (2021-2026) & (US\$/Unit)

Table 38. Key Manufacturers Vision-Based Tactile Sensor for Robotics Producing Area Distribution and Sales Area

Table 39. Players Vision-Based Tactile Sensor for Robotics Products Offered

Table 40. Vision-Based Tactile Sensor for Robotics Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 41. New Products and Potential Entrants

Table 42. Market M&A Activity & Strategy

Table 43. Global Vision-Based Tactile Sensor for Robotics Sales by Geographic Region (2021-2026) & (K Units)

Table 44. Global Vision-Based Tactile Sensor for Robotics Sales Market Share

Geographic Region (2021-2026)

Table 45. Global Vision-Based Tactile Sensor for Robotics Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 46. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Geographic Region (2021-2026)

Table 47. Global Vision-Based Tactile Sensor for Robotics Sales by Country/Region (2021-2026) & (K Units)

Table 48. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Country/Region (2021-2026)

Table 49. Global Vision-Based Tactile Sensor for Robotics Revenue by Country/Region (2021-2026) & (\$ millions)

Table 50. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Country/Region (2021-2026)

Table 51. Americas Vision-Based Tactile Sensor for Robotics Sales by Country (2021-2026) & (K Units)

Table 52. Americas Vision-Based Tactile Sensor for Robotics Sales Market Share by Country (2021-2026)

Table 53. Americas Vision-Based Tactile Sensor for Robotics Revenue by Country (2021-2026) & (\$ millions)

Table 54. Americas Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026) & (K Units)

Table 55. Americas Vision-Based Tactile Sensor for Robotics Sales by Application (2021-2026) & (K Units)

Table 56. APAC Vision-Based Tactile Sensor for Robotics Sales by Region (2021-2026) & (K Units)

Table 57. APAC Vision-Based Tactile Sensor for Robotics Sales Market Share by Region (2021-2026)

Table 58. APAC Vision-Based Tactile Sensor for Robotics Revenue by Region (2021-2026) & (\$ millions)

Table 59. APAC Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026) & (K Units)

Table 60. APAC Vision-Based Tactile Sensor for Robotics Sales by Application (2021-2026) & (K Units)

Table 61. Europe Vision-Based Tactile Sensor for Robotics Sales by Country (2021-2026) & (K Units)

Table 62. Europe Vision-Based Tactile Sensor for Robotics Revenue by Country (2021-2026) & (\$ millions)

Table 63. Europe Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026) & (K Units)

Table 64. Europe Vision-Based Tactile Sensor for Robotics Sales by Application (2021-2026) & (K Units)

Table 65. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales by Country (2021-2026) & (K Units)

Table 66. Middle East & Africa Vision-Based Tactile Sensor for Robotics Revenue Market Share by Country (2021-2026)

Table 67. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales by Type (2021-2026) & (K Units)

Table 68. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales by Application (2021-2026) & (K Units)

Table 69. Key Market Drivers & Growth Opportunities of Vision-Based Tactile Sensor for Robotics

Table 70. Key Market Challenges & Risks of Vision-Based Tactile Sensor for Robotics

Table 71. Key Industry Trends of Vision-Based Tactile Sensor for Robotics

Table 72. Vision-Based Tactile Sensor for Robotics Raw Material

Table 73. Key Suppliers of Raw Materials

Table 74. Vision-Based Tactile Sensor for Robotics Distributors List

Table 75. Vision-Based Tactile Sensor for Robotics Customer List

Table 76. Global Vision-Based Tactile Sensor for Robotics Sales Forecast by Region (2027-2032) & (K Units)

Table 77. Global Vision-Based Tactile Sensor for Robotics Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 78. Americas Vision-Based Tactile Sensor for Robotics Sales Forecast by Country (2027-2032) & (K Units)

Table 79. Americas Vision-Based Tactile Sensor for Robotics Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 80. APAC Vision-Based Tactile Sensor for Robotics Sales Forecast by Region (2027-2032) & (K Units)

Table 81. APAC Vision-Based Tactile Sensor for Robotics Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 82. Europe Vision-Based Tactile Sensor for Robotics Sales Forecast by Country (2027-2032) & (K Units)

Table 83. Europe Vision-Based Tactile Sensor for Robotics Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 84. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales Forecast by Country (2027-2032) & (K Units)

Table 85. Middle East & Africa Vision-Based Tactile Sensor for Robotics Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 86. Global Vision-Based Tactile Sensor for Robotics Sales Forecast by Type

(2027-2032) & (K Units)

Table 87. Global Vision-Based Tactile Sensor for Robotics Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 88. Global Vision-Based Tactile Sensor for Robotics Sales Forecast by Application (2027-2032) & (K Units)

Table 89. Global Vision-Based Tactile Sensor for Robotics Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 90. SynTouch Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 91. SynTouch Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 92. SynTouch Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 93. SynTouch Main Business

Table 94. SynTouch Latest Developments

Table 95. Weiss Robotics Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 96. Weiss Robotics Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 97. Weiss Robotics Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 98. Weiss Robotics Main Business

Table 99. Weiss Robotics Latest Developments

Table 100. Pressure Profile Systems Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 101. Pressure Profile Systems Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 102. Pressure Profile Systems Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 103. Pressure Profile Systems Main Business

Table 104. Pressure Profile Systems Latest Developments

Table 105. GelSight Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 106. GelSight Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 107. GelSight Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 108. GelSight Main Business

Table 109. GelSight Latest Developments

Table 110. FUTEK Advanced Sensor Technology Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 111. FUTEK Advanced Sensor Technology Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 112. FUTEK Advanced Sensor Technology Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 113. FUTEK Advanced Sensor Technology Main Business

Table 114. FUTEK Advanced Sensor Technology Latest Developments

Table 115. AIDIN ROBOTICS Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 116. AIDIN ROBOTICS Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 117. AIDIN ROBOTICS Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 118. AIDIN ROBOTICS Main Business

Table 119. AIDIN ROBOTICS Latest Developments

Table 120. Daimeng (Shenzhen) Robot Technology Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 121. Daimeng (Shenzhen) Robot Technology Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 122. Daimeng (Shenzhen) Robot Technology Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 123. Daimeng (Shenzhen) Robot Technology Main Business

Table 124. Daimeng (Shenzhen) Robot Technology Latest Developments

Table 125. PaXini Technology (Shenzhen) Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 126. PaXini Technology (Shenzhen) Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 127. PaXini Technology (Shenzhen) Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 128. PaXini Technology (Shenzhen) Main Business

Table 129. PaXini Technology (Shenzhen) Latest Developments

Table 130. Shanghai ViTai Robotics Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 131. Shanghai ViTai Robotics Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 132. Shanghai ViTai Robotics Vision-Based Tactile Sensor for Robotics Sales (K

Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 133. Shanghai ViTai Robotics Main Business

Table 134. Shanghai ViTai Robotics Latest Developments

Table 135. Hong Kong Science & Technology Parks Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 136. Hong Kong Science & Technology Parks Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 137. Hong Kong Science & Technology Parks Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 138. Hong Kong Science & Technology Parks Main Business

Table 139. Hong Kong Science & Technology Parks Latest Developments

Table 140. Beijing Tashan Technology Basic Information, Vision-Based Tactile Sensor for Robotics Manufacturing Base, Sales Area and Its Competitors

Table 141. Beijing Tashan Technology Vision-Based Tactile Sensor for Robotics Product Portfolios and Specifications

Table 142. Beijing Tashan Technology Vision-Based Tactile Sensor for Robotics Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 143. Beijing Tashan Technology Main Business

Table 144. Beijing Tashan Technology Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Vision-Based Tactile Sensor for Robotics

Figure 2. Vision-Based Tactile Sensor for Robotics Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Vision-Based Tactile Sensor for Robotics Sales Growth Rate
2021-2032 (K Units)

Figure 7. Global Vision-Based Tactile Sensor for Robotics Revenue Growth Rate
2021-2032 (\$ millions)

Figure 8. Vision-Based Tactile Sensor for Robotics Sales by Geographic Region (2021,
2025 & 2032) & (\$ millions)

Figure 9. Vision-Based Tactile Sensor for Robotics Sales Market Share by
Country/Region (2025)

Figure 10. Vision-Based Tactile Sensor for Robotics Sales Market Share by
Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Strain Gauge Type

Figure 12. Product Picture of Capacitive Type

Figure 13. Product Picture of Piezoelectric Type

Figure 14. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by
Type in 2026

Figure 15. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by
Type (2021-2026)

Figure 16. Product Picture of 3D Force Tactile Sensor

Figure 17. Product Picture of 3D Force + 3D Torque Tactile Sensor

Figure 18. Product Picture of 2D Force + 2D Torque Tactile Sensor

Figure 19. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by
Measurement Dimension in 2026

Figure 20. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by
Measurement Dimension (2021-2026)

Figure 21. Product Picture of 5 mm/pixel

Figure 22. Product Picture of 2.5 mm/pixel

Figure 23. Product Picture of 0.5 mm/pixel

Figure 24. Product Picture of 0.05 mm/pixel

Figure 25. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by
Resolution in 2026

Figure 26. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Resolution (2021-2026)

Figure 27. Vision-Based Tactile Sensor for Robotics Consumed in Robotic Gripper

Figure 28. Global Vision-Based Tactile Sensor for Robotics Market: Robotic Gripper (2021-2026) & (K Units)

Figure 29. Vision-Based Tactile Sensor for Robotics Consumed in Robotic Dexterous Hand

Figure 30. Global Vision-Based Tactile Sensor for Robotics Market: Robotic Dexterous Hand (2021-2026) & (K Units)

Figure 31. Global Vision-Based Tactile Sensor for Robotics Sale Market Share by Application (2025)

Figure 32. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Application in 2025

Figure 33. Vision-Based Tactile Sensor for Robotics Sales by Company in 2025 (K Units)

Figure 34. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Company in 2025

Figure 35. Vision-Based Tactile Sensor for Robotics Revenue by Company in 2025 (\$ millions)

Figure 36. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Company in 2025

Figure 37. Global Vision-Based Tactile Sensor for Robotics Sales Market Share by Geographic Region (2021-2026)

Figure 38. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share by Geographic Region in 2025

Figure 39. Americas Vision-Based Tactile Sensor for Robotics Sales 2021-2026 (K Units)

Figure 40. Americas Vision-Based Tactile Sensor for Robotics Revenue 2021-2026 (\$ millions)

Figure 41. APAC Vision-Based Tactile Sensor for Robotics Sales 2021-2026 (K Units)

Figure 42. APAC Vision-Based Tactile Sensor for Robotics Revenue 2021-2026 (\$ millions)

Figure 43. Europe Vision-Based Tactile Sensor for Robotics Sales 2021-2026 (K Units)

Figure 44. Europe Vision-Based Tactile Sensor for Robotics Revenue 2021-2026 (\$ millions)

Figure 45. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales 2021-2026 (K Units)

Figure 46. Middle East & Africa Vision-Based Tactile Sensor for Robotics Revenue 2021-2026 (\$ millions)

Figure 47. Americas Vision-Based Tactile Sensor for Robotics Sales Market Share by Country in 2025

Figure 48. Americas Vision-Based Tactile Sensor for Robotics Revenue Market Share by Country (2021-2026)

Figure 49. Americas Vision-Based Tactile Sensor for Robotics Sales Market Share by Type (2021-2026)

Figure 50. Americas Vision-Based Tactile Sensor for Robotics Sales Market Share by Application (2021-2026)

Figure 51. United States Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 52. Canada Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 53. Mexico Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 54. Brazil Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 55. APAC Vision-Based Tactile Sensor for Robotics Sales Market Share by Region in 2025

Figure 56. APAC Vision-Based Tactile Sensor for Robotics Revenue Market Share by Region (2021-2026)

Figure 57. APAC Vision-Based Tactile Sensor for Robotics Sales Market Share by Type (2021-2026)

Figure 58. APAC Vision-Based Tactile Sensor for Robotics Sales Market Share by Application (2021-2026)

Figure 59. China Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 60. Japan Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 61. South Korea Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 62. Southeast Asia Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 63. India Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 64. Australia Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 65. China Taiwan Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 66. Europe Vision-Based Tactile Sensor for Robotics Sales Market Share by

Country in 2025

Figure 67. Europe Vision-Based Tactile Sensor for Robotics Revenue Market Share by Country (2021-2026)

Figure 68. Europe Vision-Based Tactile Sensor for Robotics Sales Market Share by Type (2021-2026)

Figure 69. Europe Vision-Based Tactile Sensor for Robotics Sales Market Share by Application (2021-2026)

Figure 70. Germany Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 71. France Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 72. UK Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 73. Italy Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 74. Russia Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 75. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales Market Share by Country (2021-2026)

Figure 76. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales Market Share by Type (2021-2026)

Figure 77. Middle East & Africa Vision-Based Tactile Sensor for Robotics Sales Market Share by Application (2021-2026)

Figure 78. Egypt Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 79. South Africa Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 80. Israel Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 81. Turkey Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 82. GCC Countries Vision-Based Tactile Sensor for Robotics Revenue Growth 2021-2026 (\$ millions)

Figure 83. Manufacturing Cost Structure Analysis of Vision-Based Tactile Sensor for Robotics in 2026

Figure 84. Manufacturing Process Analysis of Vision-Based Tactile Sensor for Robotics

Figure 85. Industry Chain Structure of Vision-Based Tactile Sensor for Robotics

Figure 86. Channels of Distribution

Figure 87. Global Vision-Based Tactile Sensor for Robotics Sales Market Forecast by

Region (2027-2032)

Figure 88. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share
Forecast by Region (2027-2032)

Figure 89. Global Vision-Based Tactile Sensor for Robotics Sales Market Share
Forecast by Type (2027-2032)

Figure 90. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share
Forecast by Type (2027-2032)

Figure 91. Global Vision-Based Tactile Sensor for Robotics Sales Market Share
Forecast by Application (2027-2032)

Figure 92. Global Vision-Based Tactile Sensor for Robotics Revenue Market Share
Forecast by Application (2027-2032)

I would like to order

Product name: Global Vision-Based Tactile Sensor for Robotics Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G5061498CBACEN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5061498CBACEN.html>