

Global Micron and Nano-level Precision Manipulation Robots Market Growth 2026-2032

<https://marketpublishers.com/r/G3A562C28EB1EN.html>

Date: July 2026

Pages: 116

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

ID: G3A562C28EB1EN

Abstracts

The global Micron and Nano-level Precision Manipulation Robots market size is predicted to grow from US\$ 1399 million in 2025 to US\$ 2404 million in 2032; it is expected to grow at a CAGR of 8.6% from 2026 to 2032.

Micron and Nano-level Precision Manipulation Robots refer to ultra-high-precision robotic systems capable of positioning, handling, assembling, inspecting, or manipulating objects at micron-scale and nanometer-scale accuracy levels. These robots integrate advanced motion control, piezoelectric actuation, machine vision, force sensing, and nanoscale positioning technologies to perform delicate operations in environments requiring extreme precision. They are widely used in semiconductor manufacturing, microelectronics assembly, biomedical engineering, nanotechnology research, photonics, precision optics, MEMS fabrication, and microsurgery applications where conventional robotic systems cannot achieve the required manipulation accuracy and stability.

The Micron and Nano-level Precision Manipulation Robots industry chain includes upstream suppliers of piezoelectric materials, precision sensors, micro-actuators, semiconductors, optical systems, control chips, advanced materials, and ultra-precision mechanical components, midstream manufacturers specializing in robotic system integration, nano-positioning stages, AI-based motion control software, machine vision systems, and ultra-precision assembly technologies, and downstream users including semiconductor manufacturers, biomedical research institutes, nanotechnology laboratories, medical device companies, precision optics manufacturers, aerospace organizations, and advanced electronics producers that utilize these robotic systems for ultra-high-accuracy manipulation, assembly, inspection, and fabrication processes requiring micron-scale and nanometer-scale precision across highly specialized

industrial and scientific applications.

Current and planned projects in the Micron and Nano-level Precision Manipulation Robots market include expansion of semiconductor precision robotics manufacturing facilities in Asia-Pacific and North America, development of AI-driven nano-manipulation systems for advanced chip packaging and MEMS assembly, establishment of ultra-clean robotic assembly lines for biomedical and photonics applications, construction of nano-positioning R&D centers focused on quantum technology and nanotechnology research, investment in precision robotic systems for minimally invasive microsurgery, deployment of automated microelectronics assembly platforms, and strategic collaborations between robotics companies, semiconductor firms, and research institutions to accelerate development of next-generation ultra-precision robotic manipulation systems for scientific and industrial applications globally.

2025 Global Market sales Volume: 6,500 Units. Average Global Market Price: USD 220,000 per Unit. Market Average Gross Profit Margin: 41%.

United States market for Micron and Nano-level Precision Manipulation Robots is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Micron and Nano-level Precision Manipulation Robots is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Micron and Nano-level Precision Manipulation Robots is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Micron and Nano-level Precision Manipulation Robots players cover Mitsubishi Electric, KUKA, Tokyo Electron, Brooks Automation, ASML, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Micron and Nano-level Precision Manipulation Robots Industry Forecast" looks at past sales and reviews total world Micron and Nano-level Precision Manipulation Robots sales in 2025, providing a comprehensive analysis by region and market sector of projected Micron and Nano-level Precision Manipulation Robots sales for 2026 through 2032. With Micron and Nano-level Precision Manipulation Robots sales broken down by region, market sector

and sub-sector, this report provides a detailed analysis in US\$ millions of the world Micron and Nano-level Precision Manipulation Robots industry.

This Insight Report provides a comprehensive analysis of the global Micron and Nano-level Precision Manipulation Robots 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 Micron and Nano-level Precision Manipulation Robots portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Micron and Nano-level Precision Manipulation Robots market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Micron and Nano-level Precision Manipulation Robots and breaks down the forecast by Motion Control Technology, 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 Micron and Nano-level Precision Manipulation Robots.

This report presents a comprehensive overview, market shares, and growth opportunities of Micron and Nano-level Precision Manipulation Robots market by product type, application, key manufacturers and key regions and countries.

Segmentation by Motion Control Technology:

Piezoelectric

Electromagnetic Actuation

Linear Motor

Others

Segmentation by Manipulation Scale:

Micron-Level Precision

Nano-Level Precision

Segmentation by Structural Configuration:

Cartesian

Parallel Kinematic

SCARA

Multi-Axis Articulated

Others

Segmentation by Application:

Semiconductor

Electronics

Medical Device

Others

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.

Mitsubishi Electric

KUKA

Tokyo Electron

Brooks Automation

ASML

HIWIN

Epson

Elite Robots

Guangzhou Risong Intelligent Technology Holding Co., Ltd

Goal Technology

CHINA ENTERPRISE GROUP

Key Questions Addressed in this Report

What is the 10-year outlook for the global Micron and Nano-level Precision Manipulation Robots market?

What factors are driving Micron and Nano-level Precision Manipulation Robots market growth, globally and by region?

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

How do Micron and Nano-level Precision Manipulation Robots market opportunities vary by end market size?

How does Micron and Nano-level Precision Manipulation Robots break out by Motion Control Technology, 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 Micron and Nano-level Precision Manipulation Robots Annual Sales 2021-2032

2.1.2 World Current & Future Analysis for Micron and Nano-level Precision Manipulation Robots by Geographic Region, 2021, 2025 & 2032

2.1.3 World Current & Future Analysis for Micron and Nano-level Precision Manipulation Robots by Country/Region, 2021, 2025 & 2032

2.2 Micron and Nano-level Precision Manipulation Robots Segment by Motion Control Technology

2.2.1 Piezoelectric

2.2.2 Electromagnetic Actuation

2.2.3 Linear Motor

2.2.4 Others

2.2.5 Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology

2.2.5.1 Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Motion Control Technology (2021-2026)

2.2.5.2 Global Micron and Nano-level Precision Manipulation Robots Revenue and Market Share by Motion Control Technology (2021-2026)

2.2.5.3 Global Micron and Nano-level Precision Manipulation Robots Sale Price by Motion Control Technology (2021-2026)

2.3 Micron and Nano-level Precision Manipulation Robots Segment by Manipulation Scale

2.3.1 Micron-Level Precision

2.3.2 Nano-Level Precision

2.3.3 Micron and Nano-level Precision Manipulation Robots Sales by Manipulation Scale

2.3.3.1 Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Manipulation Scale (2021-2026)

2.3.3.2 Global Micron and Nano-level Precision Manipulation Robots Revenue and Market Share by Manipulation Scale (2021-2026)

2.3.3.3 Global Micron and Nano-level Precision Manipulation Robots Sale Price by Manipulation Scale (2021-2026)

2.4 Micron and Nano-level Precision Manipulation Robots Segment by Structural Configuration

2.4.1 Cartesian

2.4.2 Parallel Kinematic

2.4.3 SCARA

2.4.4 Multi-Axis Articulated

2.4.5 Others

2.4.6 Micron and Nano-level Precision Manipulation Robots Sales by Structural Configuration

2.4.6.1 Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Structural Configuration (2021-2026)

2.4.6.2 Global Micron and Nano-level Precision Manipulation Robots Revenue and Market Share by Structural Configuration (2021-2026)

2.4.6.3 Global Micron and Nano-level Precision Manipulation Robots Sale Price by Structural Configuration (2021-2026)

2.5 Micron and Nano-level Precision Manipulation Robots Segment by Application

2.5.1 Semiconductor

2.5.2 Electronics

2.5.3 Medical Device

2.5.4 Others

2.5.5 Micron and Nano-level Precision Manipulation Robots Sales by Application

2.5.5.1 Global Micron and Nano-level Precision Manipulation Robots Sale Market Share by Application (2021-2026)

2.5.5.2 Global Micron and Nano-level Precision Manipulation Robots Revenue and Market Share by Application (2021-2026)

2.5.5.3 Global Micron and Nano-level Precision Manipulation Robots Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Micron and Nano-level Precision Manipulation Robots Breakdown Data by Company

3.1.1 Global Micron and Nano-level Precision Manipulation Robots Annual Sales by Company (2021-2026)

3.1.2 Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Company (2021-2026)

3.2 Global Micron and Nano-level Precision Manipulation Robots Annual Revenue by Company (2021-2026)

3.2.1 Global Micron and Nano-level Precision Manipulation Robots Revenue by Company (2021-2026)

3.2.2 Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Company (2021-2026)

3.3 Global Micron and Nano-level Precision Manipulation Robots Sale Price by Company

3.4 Key Manufacturers Micron and Nano-level Precision Manipulation Robots Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Micron and Nano-level Precision Manipulation Robots Product Location Distribution

3.4.2 Players Micron and Nano-level Precision Manipulation Robots 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 MICRON AND NANO-LEVEL PRECISION MANIPULATION ROBOTS BY GEOGRAPHIC REGION

4.1 World Historic Micron and Nano-level Precision Manipulation Robots Market Size by Geographic Region (2021-2026)

4.1.1 Global Micron and Nano-level Precision Manipulation Robots Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Micron and Nano-level Precision Manipulation Robots Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Micron and Nano-level Precision Manipulation Robots Market Size by Country/Region (2021-2026)

4.2.1 Global Micron and Nano-level Precision Manipulation Robots Annual Sales by Country/Region (2021-2026)

4.2.2 Global Micron and Nano-level Precision Manipulation Robots Annual Revenue

by Country/Region (2021-2026)

4.3 Americas Micron and Nano-level Precision Manipulation Robots Sales Growth

4.4 APAC Micron and Nano-level Precision Manipulation Robots Sales Growth

4.5 Europe Micron and Nano-level Precision Manipulation Robots Sales Growth

4.6 Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales Growth

5 AMERICAS

5.1 Americas Micron and Nano-level Precision Manipulation Robots Sales by Country

5.1.1 Americas Micron and Nano-level Precision Manipulation Robots Sales by Country (2021-2026)

5.1.2 Americas Micron and Nano-level Precision Manipulation Robots Revenue by Country (2021-2026)

5.2 Americas Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026)

5.3 Americas Micron and Nano-level Precision Manipulation Robots Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Micron and Nano-level Precision Manipulation Robots Sales by Region

6.1.1 APAC Micron and Nano-level Precision Manipulation Robots Sales by Region (2021-2026)

6.1.2 APAC Micron and Nano-level Precision Manipulation Robots Revenue by Region (2021-2026)

6.2 APAC Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026)

6.3 APAC Micron and Nano-level Precision Manipulation Robots 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 Micron and Nano-level Precision Manipulation Robots by Country

7.1.1 Europe Micron and Nano-level Precision Manipulation Robots Sales by Country (2021-2026)

7.1.2 Europe Micron and Nano-level Precision Manipulation Robots Revenue by Country (2021-2026)

7.2 Europe Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026)

7.3 Europe Micron and Nano-level Precision Manipulation Robots 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 Micron and Nano-level Precision Manipulation Robots by Country

8.1.1 Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales by Country (2021-2026)

8.1.2 Middle East & Africa Micron and Nano-level Precision Manipulation Robots Revenue by Country (2021-2026)

8.2 Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026)

8.3 Middle East & Africa Micron and Nano-level Precision Manipulation Robots 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 Micron and Nano-level Precision Manipulation Robots
- 10.3 Manufacturing Process Analysis of Micron and Nano-level Precision Manipulation Robots
- 10.4 Industry Chain Structure of Micron and Nano-level Precision Manipulation Robots

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Micron and Nano-level Precision Manipulation Robots Distributors
- 11.3 Micron and Nano-level Precision Manipulation Robots Customer

12 WORLD FORECAST REVIEW FOR MICRON AND NANO-LEVEL PRECISION MANIPULATION ROBOTS BY GEOGRAPHIC REGION

- 12.1 Global Micron and Nano-level Precision Manipulation Robots Market Size Forecast by Region
 - 12.1.1 Global Micron and Nano-level Precision Manipulation Robots Forecast by Region (2027-2032)
 - 12.1.2 Global Micron and Nano-level Precision Manipulation Robots 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 Micron and Nano-level Precision Manipulation Robots Forecast by Motion Control Technology (2027-2032)
- 12.7 Global Micron and Nano-level Precision Manipulation Robots Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Mitsubishi Electric

13.1.1 Mitsubishi Electric Company Information

13.1.2 Mitsubishi Electric Micron and Nano-level Precision Manipulation Robots

Product Portfolios and Specifications

13.1.3 Mitsubishi Electric Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Mitsubishi Electric Main Business Overview

13.1.5 Mitsubishi Electric Latest Developments

13.2 KUKA

13.2.1 KUKA Company Information

13.2.2 KUKA Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.2.3 KUKA Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 KUKA Main Business Overview

13.2.5 KUKA Latest Developments

13.3 Tokyo Electron

13.3.1 Tokyo Electron Company Information

13.3.2 Tokyo Electron Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.3.3 Tokyo Electron Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Tokyo Electron Main Business Overview

13.3.5 Tokyo Electron Latest Developments

13.4 Brooks Automation

13.4.1 Brooks Automation Company Information

13.4.2 Brooks Automation Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.4.3 Brooks Automation Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Brooks Automation Main Business Overview

13.4.5 Brooks Automation Latest Developments

13.5 ASML

13.5.1 ASML Company Information

13.5.2 ASML Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.5.3 ASML Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 ASML Main Business Overview

13.5.5 ASML Latest Developments

13.6 HIWIN

13.6.1 HIWIN Company Information

13.6.2 HIWIN Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.6.3 HIWIN Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 HIWIN Main Business Overview

13.6.5 HIWIN Latest Developments

13.7 Epson

13.7.1 Epson Company Information

13.7.2 Epson Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.7.3 Epson Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Epson Main Business Overview

13.7.5 Epson Latest Developments

13.8 Elite Robots

13.8.1 Elite Robots Company Information

13.8.2 Elite Robots Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.8.3 Elite Robots Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Elite Robots Main Business Overview

13.8.5 Elite Robots Latest Developments

13.9 Guangzhou Risong Intelligent Technology Holding Co., Ltd

13.9.1 Guangzhou Risong Intelligent Technology Holding Co., Ltd Company Information

13.9.2 Guangzhou Risong Intelligent Technology Holding Co., Ltd Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.9.3 Guangzhou Risong Intelligent Technology Holding Co., Ltd Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Guangzhou Risong Intelligent Technology Holding Co., Ltd Main Business Overview

13.9.5 Guangzhou Risong Intelligent Technology Holding Co., Ltd Latest

Developments

13.10 Goal Technology

13.10.1 Goal Technology Company Information

13.10.2 Goal Technology Micron and Nano-level Precision Manipulation Robots

Product Portfolios and Specifications

13.10.3 Goal Technology Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Goal Technology Main Business Overview

13.10.5 Goal Technology Latest Developments

13.11 CHINA ENTERPRISE GROUP

13.11.1 CHINA ENTERPRISE GROUP Company Information

13.11.2 CHINA ENTERPRISE GROUP Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

13.11.3 CHINA ENTERPRISE GROUP Micron and Nano-level Precision Manipulation Robots Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 CHINA ENTERPRISE GROUP Main Business Overview

13.11.5 CHINA ENTERPRISE GROUP Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Micron and Nano-level Precision Manipulation Robots Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Micron and Nano-level Precision Manipulation Robots Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Piezoelectric

Table 4. Major Players of Electromagnetic Actuation

Table 5. Major Players of Linear Motor

Table 6. Major Players of Others

Table 7. Global Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026) & (Units)

Table 8. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Motion Control Technology (2021-2026)

Table 9. Global Micron and Nano-level Precision Manipulation Robots Revenue by Motion Control Technology (2021-2026) & (\$ million)

Table 10. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Motion Control Technology (2021-2026)

Table 11. Global Micron and Nano-level Precision Manipulation Robots Sale Price by Motion Control Technology (2021-2026) & (K US\$/Unit)

Table 12. Major Players of Micron-Level Precision

Table 13. Major Players of Nano-Level Precision

Table 14. Global Micron and Nano-level Precision Manipulation Robots Sales by Manipulation Scale (2021-2026) & (Units)

Table 15. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Manipulation Scale (2021-2026)

Table 16. Global Micron and Nano-level Precision Manipulation Robots Revenue by Manipulation Scale (2021-2026) & (\$ million)

Table 17. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Manipulation Scale (2021-2026)

Table 18. Global Micron and Nano-level Precision Manipulation Robots Sale Price by Manipulation Scale (2021-2026) & (K US\$/Unit)

Table 19. Major Players of Cartesian

Table 20. Major Players of Parallel Kinematic

Table 21. Major Players of SCARA

Table 22. Major Players of Multi-Axis Articulated

Table 23. Major Players of Others

Table 24. Global Micron and Nano-level Precision Manipulation Robots Sales by Structural Configuration (2021-2026) & (Units)

Table 25. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Structural Configuration (2021-2026)

Table 26. Global Micron and Nano-level Precision Manipulation Robots Revenue by Structural Configuration (2021-2026) & (\$ million)

Table 27. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Structural Configuration (2021-2026)

Table 28. Global Micron and Nano-level Precision Manipulation Robots Sale Price by Structural Configuration (2021-2026) & (K US\$/Unit)

Table 29. Global Micron and Nano-level Precision Manipulation Robots Sale by Application (2021-2026) & (Units)

Table 30. Global Micron and Nano-level Precision Manipulation Robots Sale Market Share by Application (2021-2026)

Table 31. Global Micron and Nano-level Precision Manipulation Robots Revenue by Application (2021-2026) & (\$ million)

Table 32. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Application (2021-2026)

Table 33. Global Micron and Nano-level Precision Manipulation Robots Sale Price by Application (2021-2026) & (K US\$/Unit)

Table 34. Global Micron and Nano-level Precision Manipulation Robots Sales by Company (2021-2026) & (Units)

Table 35. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Company (2021-2026)

Table 36. Global Micron and Nano-level Precision Manipulation Robots Revenue by Company (2021-2026) & (\$ millions)

Table 37. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Company (2021-2026)

Table 38. Global Micron and Nano-level Precision Manipulation Robots Sale Price by Company (2021-2026) & (K US\$/Unit)

Table 39. Key Manufacturers Micron and Nano-level Precision Manipulation Robots Producing Area Distribution and Sales Area

Table 40. Players Micron and Nano-level Precision Manipulation Robots Products Offered

Table 41. Micron and Nano-level Precision Manipulation Robots Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 42. New Products and Potential Entrants

Table 43. Market M&A Activity & Strategy

Table 44. Global Micron and Nano-level Precision Manipulation Robots Sales by

Geographic Region (2021-2026) & (Units)

Table 45. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share Geographic Region (2021-2026)

Table 46. Global Micron and Nano-level Precision Manipulation Robots Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 47. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Geographic Region (2021-2026)

Table 48. Global Micron and Nano-level Precision Manipulation Robots Sales by Country/Region (2021-2026) & (Units)

Table 49. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Country/Region (2021-2026)

Table 50. Global Micron and Nano-level Precision Manipulation Robots Revenue by Country/Region (2021-2026) & (\$ millions)

Table 51. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Country/Region (2021-2026)

Table 52. Americas Micron and Nano-level Precision Manipulation Robots Sales by Country (2021-2026) & (Units)

Table 53. Americas Micron and Nano-level Precision Manipulation Robots Sales Market Share by Country (2021-2026)

Table 54. Americas Micron and Nano-level Precision Manipulation Robots Revenue by Country (2021-2026) & (\$ millions)

Table 55. Americas Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026) & (Units)

Table 56. Americas Micron and Nano-level Precision Manipulation Robots Sales by Application (2021-2026) & (Units)

Table 57. APAC Micron and Nano-level Precision Manipulation Robots Sales by Region (2021-2026) & (Units)

Table 58. APAC Micron and Nano-level Precision Manipulation Robots Sales Market Share by Region (2021-2026)

Table 59. APAC Micron and Nano-level Precision Manipulation Robots Revenue by Region (2021-2026) & (\$ millions)

Table 60. APAC Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026) & (Units)

Table 61. APAC Micron and Nano-level Precision Manipulation Robots Sales by Application (2021-2026) & (Units)

Table 62. Europe Micron and Nano-level Precision Manipulation Robots Sales by Country (2021-2026) & (Units)

Table 63. Europe Micron and Nano-level Precision Manipulation Robots Revenue by Country (2021-2026) & (\$ millions)

Table 64. Europe Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026) & (Units)

Table 65. Europe Micron and Nano-level Precision Manipulation Robots Sales by Application (2021-2026) & (Units)

Table 66. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales by Country (2021-2026) & (Units)

Table 67. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Country (2021-2026)

Table 68. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales by Motion Control Technology (2021-2026) & (Units)

Table 69. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales by Application (2021-2026) & (Units)

Table 70. Key Market Drivers & Growth Opportunities of Micron and Nano-level Precision Manipulation Robots

Table 71. Key Market Challenges & Risks of Micron and Nano-level Precision Manipulation Robots

Table 72. Key Industry Trends of Micron and Nano-level Precision Manipulation Robots

Table 73. Micron and Nano-level Precision Manipulation Robots Raw Material

Table 74. Key Suppliers of Raw Materials

Table 75. Micron and Nano-level Precision Manipulation Robots Distributors List

Table 76. Micron and Nano-level Precision Manipulation Robots Customer List

Table 77. Global Micron and Nano-level Precision Manipulation Robots Sales Forecast by Region (2027-2032) & (Units)

Table 78. Global Micron and Nano-level Precision Manipulation Robots Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 79. Americas Micron and Nano-level Precision Manipulation Robots Sales Forecast by Country (2027-2032) & (Units)

Table 80. Americas Micron and Nano-level Precision Manipulation Robots Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 81. APAC Micron and Nano-level Precision Manipulation Robots Sales Forecast by Region (2027-2032) & (Units)

Table 82. APAC Micron and Nano-level Precision Manipulation Robots Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 83. Europe Micron and Nano-level Precision Manipulation Robots Sales Forecast by Country (2027-2032) & (Units)

Table 84. Europe Micron and Nano-level Precision Manipulation Robots Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 85. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales Forecast by Country (2027-2032) & (Units)

Table 86. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 87. Global Micron and Nano-level Precision Manipulation Robots Sales Forecast by Motion Control Technology (2027-2032) & (Units)

Table 88. Global Micron and Nano-level Precision Manipulation Robots Revenue Forecast by Motion Control Technology (2027-2032) & (\$ millions)

Table 89. Global Micron and Nano-level Precision Manipulation Robots Sales Forecast by Application (2027-2032) & (Units)

Table 90. Global Micron and Nano-level Precision Manipulation Robots Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 91. Mitsubishi Electric Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 92. Mitsubishi Electric Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 93. Mitsubishi Electric Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 94. Mitsubishi Electric Main Business

Table 95. Mitsubishi Electric Latest Developments

Table 96. KUKA Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 97. KUKA Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 98. KUKA Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 99. KUKA Main Business

Table 100. KUKA Latest Developments

Table 101. Tokyo Electron Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 102. Tokyo Electron Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 103. Tokyo Electron Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 104. Tokyo Electron Main Business

Table 105. Tokyo Electron Latest Developments

Table 106. Brooks Automation Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 107. Brooks Automation Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 108. Brooks Automation Micron and Nano-level Precision Manipulation Robots

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

Table 109. Brooks Automation Main Business

Table 110. Brooks Automation Latest Developments

Table 111. ASML Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 112. ASML Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 113. ASML Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 114. ASML Main Business

Table 115. ASML Latest Developments

Table 116. HIWIN Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 117. HIWIN Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 118. HIWIN Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 119. HIWIN Main Business

Table 120. HIWIN Latest Developments

Table 121. Epson Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 122. Epson Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 123. Epson Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 124. Epson Main Business

Table 125. Epson Latest Developments

Table 126. Elite Robots Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 127. Elite Robots Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 128. Elite Robots Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 129. Elite Robots Main Business

Table 130. Elite Robots Latest Developments

Table 131. Guangzhou Risong Intelligent Technology Holding Co., Ltd Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 132. Guangzhou Risong Intelligent Technology Holding Co., Ltd Micron and Nano-

level Precision Manipulation Robots Product Portfolios and Specifications

Table 133. Guangzhou Risong Intelligent Technology Holding Co., Ltd Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 134. Guangzhou Risong Intelligent Technology Holding Co., Ltd Main Business

Table 135. Guangzhou Risong Intelligent Technology Holding Co., Ltd Latest Developments

Table 136. Goal Technology Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 137. Goal Technology Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 138. Goal Technology Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 139. Goal Technology Main Business

Table 140. Goal Technology Latest Developments

Table 141. CHINA ENTERPRISE GROUP Basic Information, Micron and Nano-level Precision Manipulation Robots Manufacturing Base, Sales Area and Its Competitors

Table 142. CHINA ENTERPRISE GROUP Micron and Nano-level Precision Manipulation Robots Product Portfolios and Specifications

Table 143. CHINA ENTERPRISE GROUP Micron and Nano-level Precision Manipulation Robots Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 144. CHINA ENTERPRISE GROUP Main Business

Table 145. CHINA ENTERPRISE GROUP Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Micron and Nano-level Precision Manipulation Robots
- Figure 2. Micron and Nano-level Precision Manipulation Robots Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Micron and Nano-level Precision Manipulation Robots Sales Growth Rate 2021-2032 (Units)
- Figure 7. Global Micron and Nano-level Precision Manipulation Robots Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Micron and Nano-level Precision Manipulation Robots Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Micron and Nano-level Precision Manipulation Robots Sales Market Share by Country/Region (2025)
- Figure 10. Micron and Nano-level Precision Manipulation Robots Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Piezoelectric
- Figure 12. Product Picture of Electromagnetic Actuation
- Figure 13. Product Picture of Linear Motor
- Figure 14. Product Picture of Others
- Figure 15. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Motion Control Technology in 2026
- Figure 16. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Motion Control Technology (2021-2026)
- Figure 17. Product Picture of Micron-Level Precision
- Figure 18. Product Picture of Nano-Level Precision
- Figure 19. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Manipulation Scale in 2026
- Figure 20. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Manipulation Scale (2021-2026)
- Figure 21. Product Picture of Cartesian
- Figure 22. Product Picture of Parallel Kinematic
- Figure 23. Product Picture of SCARA
- Figure 24. Product Picture of Multi-Axis Articulated
- Figure 25. Product Picture of Others

Figure 26. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Structural Configuration in 2026

Figure 27. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Structural Configuration (2021-2026)

Figure 28. Micron and Nano-level Precision Manipulation Robots Consumed in Semiconductor

Figure 29. Global Micron and Nano-level Precision Manipulation Robots Market: Semiconductor (2021-2026) & (Units)

Figure 30. Micron and Nano-level Precision Manipulation Robots Consumed in Electronics

Figure 31. Global Micron and Nano-level Precision Manipulation Robots Market: Electronics (2021-2026) & (Units)

Figure 32. Micron and Nano-level Precision Manipulation Robots Consumed in Medical Device

Figure 33. Global Micron and Nano-level Precision Manipulation Robots Market: Medical Device (2021-2026) & (Units)

Figure 34. Micron and Nano-level Precision Manipulation Robots Consumed in Others

Figure 35. Global Micron and Nano-level Precision Manipulation Robots Market: Others (2021-2026) & (Units)

Figure 36. Global Micron and Nano-level Precision Manipulation Robots Sale Market Share by Application (2025)

Figure 37. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Application in 2025

Figure 38. Micron and Nano-level Precision Manipulation Robots Sales by Company in 2025 (Units)

Figure 39. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Company in 2025

Figure 40. Micron and Nano-level Precision Manipulation Robots Revenue by Company in 2025 (\$ millions)

Figure 41. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Company in 2025

Figure 42. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share by Geographic Region (2021-2026)

Figure 43. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Geographic Region in 2025

Figure 44. Americas Micron and Nano-level Precision Manipulation Robots Sales 2021-2026 (Units)

Figure 45. Americas Micron and Nano-level Precision Manipulation Robots Revenue 2021-2026 (\$ millions)

Figure 46. APAC Micron and Nano-level Precision Manipulation Robots Sales 2021-2026 (Units)

Figure 47. APAC Micron and Nano-level Precision Manipulation Robots Revenue 2021-2026 (\$ millions)

Figure 48. Europe Micron and Nano-level Precision Manipulation Robots Sales 2021-2026 (Units)

Figure 49. Europe Micron and Nano-level Precision Manipulation Robots Revenue 2021-2026 (\$ millions)

Figure 50. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales 2021-2026 (Units)

Figure 51. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Revenue 2021-2026 (\$ millions)

Figure 52. Americas Micron and Nano-level Precision Manipulation Robots Sales Market Share by Country in 2025

Figure 53. Americas Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Country (2021-2026)

Figure 54. Americas Micron and Nano-level Precision Manipulation Robots Sales Market Share by Motion Control Technology (2021-2026)

Figure 55. Americas Micron and Nano-level Precision Manipulation Robots Sales Market Share by Application (2021-2026)

Figure 56. United States Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 57. Canada Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 58. Mexico Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 59. Brazil Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 60. APAC Micron and Nano-level Precision Manipulation Robots Sales Market Share by Region in 2025

Figure 61. APAC Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Region (2021-2026)

Figure 62. APAC Micron and Nano-level Precision Manipulation Robots Sales Market Share by Motion Control Technology (2021-2026)

Figure 63. APAC Micron and Nano-level Precision Manipulation Robots Sales Market Share by Application (2021-2026)

Figure 64. China Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 65. Japan Micron and Nano-level Precision Manipulation Robots Revenue

Growth 2021-2026 (\$ millions)

Figure 66. South Korea Micron and Nano-level Precision Manipulation Robots Revenue

Growth 2021-2026 (\$ millions)

Figure 67. Southeast Asia Micron and Nano-level Precision Manipulation Robots

Revenue Growth 2021-2026 (\$ millions)

Figure 68. India Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 69. Australia Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 70. China Taiwan Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 71. Europe Micron and Nano-level Precision Manipulation Robots Sales Market Share by Country in 2025

Figure 72. Europe Micron and Nano-level Precision Manipulation Robots Revenue Market Share by Country (2021-2026)

Figure 73. Europe Micron and Nano-level Precision Manipulation Robots Sales Market Share by Motion Control Technology (2021-2026)

Figure 74. Europe Micron and Nano-level Precision Manipulation Robots Sales Market Share by Application (2021-2026)

Figure 75. Germany Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 76. France Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 77. UK Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 78. Italy Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 79. Russia Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 80. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales Market Share by Country (2021-2026)

Figure 81. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales Market Share by Motion Control Technology (2021-2026)

Figure 82. Middle East & Africa Micron and Nano-level Precision Manipulation Robots Sales Market Share by Application (2021-2026)

Figure 83. Egypt Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 84. South Africa Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 85. Israel Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 86. Turkey Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 87. GCC Countries Micron and Nano-level Precision Manipulation Robots Revenue Growth 2021-2026 (\$ millions)

Figure 88. Manufacturing Cost Structure Analysis of Micron and Nano-level Precision Manipulation Robots in 2026

Figure 89. Manufacturing Process Analysis of Micron and Nano-level Precision Manipulation Robots

Figure 90. Industry Chain Structure of Micron and Nano-level Precision Manipulation Robots

Figure 91. Channels of Distribution

Figure 92. Global Micron and Nano-level Precision Manipulation Robots Sales Market Forecast by Region (2027-2032)

Figure 93. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share Forecast by Region (2027-2032)

Figure 94. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share Forecast by Motion Control Technology (2027-2032)

Figure 95. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share Forecast by Motion Control Technology (2027-2032)

Figure 96. Global Micron and Nano-level Precision Manipulation Robots Sales Market Share Forecast by Application (2027-2032)

Figure 97. Global Micron and Nano-level Precision Manipulation Robots Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Micron and Nano-level Precision Manipulation Robots Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G3A562C28EB1EN.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/G3A562C28EB1EN.html>