

Global High Precision Micro-Dispensing Valve Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global High Precision Micro-Dispensing Valve market size is expected to reach \$ 412 million by 2032, rising at a market growth of 6.3% CAGR during the forecast period (2026-2032).

In 2025, global High Precision Micro-Dispensing Valve production reached approximately 371.4 k units with an average global market price of around US\$700 per unit. Single-line annual production capacity averages 20 k units with a gross margin of approximately 19-23%. The upstream of High Precision Micro-Dispensing Valves primarily involves precision machining and sealing materials, which are concentrated in the field of precision machinery. The downstream applications are extensive, with electronics manufacturing accounting for approximately 60%, semiconductor industry for about 25%, industrial applications for around 10%, life sciences for about 5%, and other fields for approximately 10%. With the widespread application of precision dispensing technology in the electronics and semiconductor industries, the demand for High Precision Micro-Dispensing Valves continues to grow. Accompanied by the development of emerging technologies such as new energy and biotechnology, the market potential for High Precision Micro-Dispensing Valves is significant, particularly in the fields of high-end manufacturing and precision processing.

The Micro-Dispensing Valve, characterized by its high precision, is designed to control the flow of fluids with unparalleled accuracy, ensuring that every drop or bead dispensed is consistent in size and shape. The valve's intricate mechanism allows for fine-tuning of dispensing parameters, such as flow rate and volume, which is crucial for applications requiring precise and consistent fluid delivery. Its robust construction and advanced sealing technology guarantee minimal leakage and long-term reliability, while the valve's compact design facilitates integration into automated systems, enhancing

overall efficiency and reducing waste.

This report studies the global High Precision Micro-Dispensing Valve production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Precision Micro-Dispensing Valve and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Precision Micro-Dispensing Valve that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Precision Micro-Dispensing Valve total production and demand, 2021-2032, (K Units)

Global High Precision Micro-Dispensing Valve total production value, 2021-2032, (USD Million)

Global High Precision Micro-Dispensing Valve production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global High Precision Micro-Dispensing Valve consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: High Precision Micro-Dispensing Valve domestic production, consumption, key domestic manufacturers and share

Global High Precision Micro-Dispensing Valve production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global High Precision Micro-Dispensing Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global High Precision Micro-Dispensing Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global High Precision Micro-Dispensing Valve market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ACP Systems, Mycronic, Delo, Graco, ViscoTec, VERMES Microdispensing, Polypico, Poly Dispensing Systems, TAEHA Corporation, Sanei Tech, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Precision Micro-Dispensing Valve market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global High Precision Micro-Dispensing Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Precision Micro-Dispensing Valve Market, Segmentation by Type:

Milliliter(mL)

Microliter(μL)

Nanoliter(nL)

Picoliter(pL)

Global High Precision Micro-Dispensing Valve Market, Segmentation by Dispensing Method:

Contact Dispensing Valve

Non-contact Dispensing Valve

Global High Precision Micro-Dispensing Valve Market, Segmentation by Application:

Electronics Manufacturing

Semiconductors

Industrial

Life Sciences

Others

Companies Profiled:

ACP Systems

Mycronic

Delo

Graco

ViscoTec

VERMES Microdispensing

Polypico

Poly Dispensing Systems

TAEHA Corporation

Sanei Tech

Nordson

Dymax

GPD Global

PVA

Fisnar

Henkel

Drummond Scientific

mta robotics AG

Techcon

Intertronics

Anda Technologies

Key Questions Answered:

1. How big is the global High Precision Micro-Dispensing Valve market?
2. What is the demand of the global High Precision Micro-Dispensing Valve market?
3. What is the year over year growth of the global High Precision Micro-Dispensing Valve market?
4. What is the production and production value of the global High Precision Micro-Dispensing Valve market?
5. Who are the key producers in the global High Precision Micro-Dispensing Valve market?

6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 High Precision Micro-Dispensing Valve Introduction
- 1.2 World High Precision Micro-Dispensing Valve Supply & Forecast
 - 1.2.1 World High Precision Micro-Dispensing Valve Production Value (2021 & 2025 & 2032)
 - 1.2.2 World High Precision Micro-Dispensing Valve Production (2021-2032)
 - 1.2.3 World High Precision Micro-Dispensing Valve Pricing Trends (2021-2032)
- 1.3 World High Precision Micro-Dispensing Valve Production by Region (Based on Production Site)
 - 1.3.1 World High Precision Micro-Dispensing Valve Production Value by Region (2021-2032)
 - 1.3.2 World High Precision Micro-Dispensing Valve Production by Region (2021-2032)
 - 1.3.3 World High Precision Micro-Dispensing Valve Average Price by Region (2021-2032)
 - 1.3.4 North America High Precision Micro-Dispensing Valve Production (2021-2032)
 - 1.3.5 Europe High Precision Micro-Dispensing Valve Production (2021-2032)
 - 1.3.6 China High Precision Micro-Dispensing Valve Production (2021-2032)
 - 1.3.7 Japan High Precision Micro-Dispensing Valve Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 High Precision Micro-Dispensing Valve Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 High Precision Micro-Dispensing Valve Major Market Trends

2 DEMAND SUMMARY

- 2.1 World High Precision Micro-Dispensing Valve Demand (2021-2032)
- 2.2 World High Precision Micro-Dispensing Valve Consumption by Region
 - 2.2.1 World High Precision Micro-Dispensing Valve Consumption by Region (2021-2026)
 - 2.2.2 World High Precision Micro-Dispensing Valve Consumption Forecast by Region (2027-2032)
- 2.3 United States High Precision Micro-Dispensing Valve Consumption (2021-2032)
- 2.4 China High Precision Micro-Dispensing Valve Consumption (2021-2032)
- 2.5 Europe High Precision Micro-Dispensing Valve Consumption (2021-2032)
- 2.6 Japan High Precision Micro-Dispensing Valve Consumption (2021-2032)
- 2.7 South Korea High Precision Micro-Dispensing Valve Consumption (2021-2032)

2.8 ASEAN High Precision Micro-Dispensing Valve Consumption (2021-2032)

2.9 India High Precision Micro-Dispensing Valve Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World High Precision Micro-Dispensing Valve Production Value by Manufacturer (2021-2026)

3.2 World High Precision Micro-Dispensing Valve Production by Manufacturer (2021-2026)

3.3 World High Precision Micro-Dispensing Valve Average Price by Manufacturer (2021-2026)

3.4 High Precision Micro-Dispensing Valve Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global High Precision Micro-Dispensing Valve Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for High Precision Micro-Dispensing Valve in 2025

3.5.3 Global Concentration Ratios (CR8) for High Precision Micro-Dispensing Valve in 2025

3.6 High Precision Micro-Dispensing Valve Market: Overall Company Footprint Analysis

3.6.1 High Precision Micro-Dispensing Valve Market: Region Footprint

3.6.2 High Precision Micro-Dispensing Valve Market: Company Product Type Footprint

3.6.3 High Precision Micro-Dispensing Valve Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: High Precision Micro-Dispensing Valve Production Value Comparison

4.1.1 United States VS China: High Precision Micro-Dispensing Valve Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: High Precision Micro-Dispensing Valve Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: High Precision Micro-Dispensing Valve Production Comparison

4.2.1 United States VS China: High Precision Micro-Dispensing Valve Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: High Precision Micro-Dispensing Valve Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: High Precision Micro-Dispensing Valve Consumption Comparison

4.3.1 United States VS China: High Precision Micro-Dispensing Valve Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: High Precision Micro-Dispensing Valve Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based High Precision Micro-Dispensing Valve Manufacturers and Market Share, 2021-2026

4.4.1 United States Based High Precision Micro-Dispensing Valve Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers High Precision Micro-Dispensing Valve Production Value (2021-2026)

4.4.3 United States Based Manufacturers High Precision Micro-Dispensing Valve Production (2021-2026)

4.5 China Based High Precision Micro-Dispensing Valve Manufacturers and Market Share

4.5.1 China Based High Precision Micro-Dispensing Valve Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers High Precision Micro-Dispensing Valve Production Value (2021-2026)

4.5.3 China Based Manufacturers High Precision Micro-Dispensing Valve Production (2021-2026)

4.6 Rest of World Based High Precision Micro-Dispensing Valve Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based High Precision Micro-Dispensing Valve Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers High Precision Micro-Dispensing Valve Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers High Precision Micro-Dispensing Valve Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World High Precision Micro-Dispensing Valve Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Milliliter(mL)

5.2.2 Microliter(μL)

5.2.3 Nanoliter(nL)

5.2.4 Picoliter(pL)

5.3 Market Segment by Type

5.3.1 World High Precision Micro-Dispensing Valve Production by Type (2021-2032)

5.3.2 World High Precision Micro-Dispensing Valve Production Value by Type (2021-2032)

5.3.3 World High Precision Micro-Dispensing Valve Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY DISPENSING METHOD

6.1 World High Precision Micro-Dispensing Valve Market Size Overview by Dispensing Method: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Dispensing Method

6.2.1 Contact Dispensing Valve

6.2.2 Non-contact Dispensing Valve

6.3 Market Segment by Dispensing Method

6.3.1 World High Precision Micro-Dispensing Valve Production by Dispensing Method (2021-2032)

6.3.2 World High Precision Micro-Dispensing Valve Production Value by Dispensing Method (2021-2032)

6.3.3 World High Precision Micro-Dispensing Valve Average Price by Dispensing Method (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World High Precision Micro-Dispensing Valve Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Electronics Manufacturing

7.2.2 Semiconductors

7.2.3 Industrial

7.2.4 Life Sciences

7.2.5 Others

7.3 Market Segment by Application

7.3.1 World High Precision Micro-Dispensing Valve Production by Application (2021-2032)

7.3.2 World High Precision Micro-Dispensing Valve Production Value by Application (2021-2032)

7.3.3 World High Precision Micro-Dispensing Valve Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 ACP Systems

8.1.1 ACP Systems Details

8.1.2 ACP Systems Major Business

8.1.3 ACP Systems High Precision Micro-Dispensing Valve Product and Services

8.1.4 ACP Systems High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 ACP Systems Recent Developments/Updates

8.1.6 ACP Systems Competitive Strengths & Weaknesses

8.2 Mycronic

8.2.1 Mycronic Details

8.2.2 Mycronic Major Business

8.2.3 Mycronic High Precision Micro-Dispensing Valve Product and Services

8.2.4 Mycronic High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 Mycronic Recent Developments/Updates

8.2.6 Mycronic Competitive Strengths & Weaknesses

8.3 Delo

8.3.1 Delo Details

8.3.2 Delo Major Business

8.3.3 Delo High Precision Micro-Dispensing Valve Product and Services

8.3.4 Delo High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.3.5 Delo Recent Developments/Updates

8.3.6 Delo Competitive Strengths & Weaknesses

8.4 Graco

8.4.1 Graco Details

8.4.2 Graco Major Business

8.4.3 Graco High Precision Micro-Dispensing Valve Product and Services

8.4.4 Graco High Precision Micro-Dispensing Valve Production, Price, Value, Gross

Margin and Market Share (2021-2026)

8.4.5 Graco Recent Developments/Updates

8.4.6 Graco Competitive Strengths & Weaknesses

8.5 ViscoTec

8.5.1 ViscoTec Details

8.5.2 ViscoTec Major Business

8.5.3 ViscoTec High Precision Micro-Dispensing Valve Product and Services

8.5.4 ViscoTec High Precision Micro-Dispensing Valve Production, Price, Value, Gross

Margin and Market Share (2021-2026)

8.5.5 ViscoTec Recent Developments/Updates

8.5.6 ViscoTec Competitive Strengths & Weaknesses

8.6 VERMES Microdispensing

8.6.1 VERMES Microdispensing Details

8.6.2 VERMES Microdispensing Major Business

8.6.3 VERMES Microdispensing High Precision Micro-Dispensing Valve Product and Services

8.6.4 VERMES Microdispensing High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 VERMES Microdispensing Recent Developments/Updates

8.6.6 VERMES Microdispensing Competitive Strengths & Weaknesses

8.7 Polypico

8.7.1 Polypico Details

8.7.2 Polypico Major Business

8.7.3 Polypico High Precision Micro-Dispensing Valve Product and Services

8.7.4 Polypico High Precision Micro-Dispensing Valve Production, Price, Value, Gross

Margin and Market Share (2021-2026)

8.7.5 Polypico Recent Developments/Updates

8.7.6 Polypico Competitive Strengths & Weaknesses

8.8 Poly Dispensing Systems

8.8.1 Poly Dispensing Systems Details

8.8.2 Poly Dispensing Systems Major Business

8.8.3 Poly Dispensing Systems High Precision Micro-Dispensing Valve Product and Services

8.8.4 Poly Dispensing Systems High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 Poly Dispensing Systems Recent Developments/Updates

8.8.6 Poly Dispensing Systems Competitive Strengths & Weaknesses

8.9 TAEHA Corporation

8.9.1 TAEHA Corporation Details

- 8.9.2 TAEHA Corporation Major Business
- 8.9.3 TAEHA Corporation High Precision Micro-Dispensing Valve Product and Services
- 8.9.4 TAEHA Corporation High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.9.5 TAEHA Corporation Recent Developments/Updates
- 8.9.6 TAEHA Corporation Competitive Strengths & Weaknesses
- 8.10 Sanei Tech
 - 8.10.1 Sanei Tech Details
 - 8.10.2 Sanei Tech Major Business
 - 8.10.3 Sanei Tech High Precision Micro-Dispensing Valve Product and Services
 - 8.10.4 Sanei Tech High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Sanei Tech Recent Developments/Updates
 - 8.10.6 Sanei Tech Competitive Strengths & Weaknesses
- 8.11 Nordson
 - 8.11.1 Nordson Details
 - 8.11.2 Nordson Major Business
 - 8.11.3 Nordson High Precision Micro-Dispensing Valve Product and Services
 - 8.11.4 Nordson High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 Nordson Recent Developments/Updates
 - 8.11.6 Nordson Competitive Strengths & Weaknesses
- 8.12 Dymax
 - 8.12.1 Dymax Details
 - 8.12.2 Dymax Major Business
 - 8.12.3 Dymax High Precision Micro-Dispensing Valve Product and Services
 - 8.12.4 Dymax High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.12.5 Dymax Recent Developments/Updates
 - 8.12.6 Dymax Competitive Strengths & Weaknesses
- 8.13 GPD Global
 - 8.13.1 GPD Global Details
 - 8.13.2 GPD Global Major Business
 - 8.13.3 GPD Global High Precision Micro-Dispensing Valve Product and Services
 - 8.13.4 GPD Global High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.13.5 GPD Global Recent Developments/Updates
 - 8.13.6 GPD Global Competitive Strengths & Weaknesses

8.14 PVA

8.14.1 PVA Details

8.14.2 PVA Major Business

8.14.3 PVA High Precision Micro-Dispensing Valve Product and Services

8.14.4 PVA High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.14.5 PVA Recent Developments/Updates

8.14.6 PVA Competitive Strengths & Weaknesses

8.15 Fisnar

8.15.1 Fisnar Details

8.15.2 Fisnar Major Business

8.15.3 Fisnar High Precision Micro-Dispensing Valve Product and Services

8.15.4 Fisnar High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.15.5 Fisnar Recent Developments/Updates

8.15.6 Fisnar Competitive Strengths & Weaknesses

8.16 Henkel

8.16.1 Henkel Details

8.16.2 Henkel Major Business

8.16.3 Henkel High Precision Micro-Dispensing Valve Product and Services

8.16.4 Henkel High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.16.5 Henkel Recent Developments/Updates

8.16.6 Henkel Competitive Strengths & Weaknesses

8.17 Drummond Scientific

8.17.1 Drummond Scientific Details

8.17.2 Drummond Scientific Major Business

8.17.3 Drummond Scientific High Precision Micro-Dispensing Valve Product and Services

8.17.4 Drummond Scientific High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.17.5 Drummond Scientific Recent Developments/Updates

8.17.6 Drummond Scientific Competitive Strengths & Weaknesses

8.18 mta robotics AG

8.18.1 mta robotics AG Details

8.18.2 mta robotics AG Major Business

8.18.3 mta robotics AG High Precision Micro-Dispensing Valve Product and Services

8.18.4 mta robotics AG High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 8.18.5 mta robotics AG Recent Developments/Updates
- 8.18.6 mta robotics AG Competitive Strengths & Weaknesses
- 8.19 Techcon
 - 8.19.1 Techcon Details
 - 8.19.2 Techcon Major Business
 - 8.19.3 Techcon High Precision Micro-Dispensing Valve Product and Services
 - 8.19.4 Techcon High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.19.5 Techcon Recent Developments/Updates
 - 8.19.6 Techcon Competitive Strengths & Weaknesses
- 8.20 Intertronics
 - 8.20.1 Intertronics Details
 - 8.20.2 Intertronics Major Business
 - 8.20.3 Intertronics High Precision Micro-Dispensing Valve Product and Services
 - 8.20.4 Intertronics High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.20.5 Intertronics Recent Developments/Updates
 - 8.20.6 Intertronics Competitive Strengths & Weaknesses
- 8.21 Anda Technologies
 - 8.21.1 Anda Technologies Details
 - 8.21.2 Anda Technologies Major Business
 - 8.21.3 Anda Technologies High Precision Micro-Dispensing Valve Product and Services
 - 8.21.4 Anda Technologies High Precision Micro-Dispensing Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.21.5 Anda Technologies Recent Developments/Updates
 - 8.21.6 Anda Technologies Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 High Precision Micro-Dispensing Valve Industry Chain
- 9.2 High Precision Micro-Dispensing Valve Upstream Analysis
 - 9.2.1 High Precision Micro-Dispensing Valve Core Raw Materials
 - 9.2.2 Main Manufacturers of High Precision Micro-Dispensing Valve Core Raw Materials
- 9.3 Midstream Analysis
- 9.4 Downstream Analysis
- 9.5 High Precision Micro-Dispensing Valve Production Mode
- 9.6 High Precision Micro-Dispensing Valve Procurement Model

9.7 High Precision Micro-Dispensing Valve Industry Sales Model and Sales Channels

9.7.1 High Precision Micro-Dispensing Valve Sales Model

9.7.2 High Precision Micro-Dispensing Valve Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World High Precision Micro-Dispensing Valve Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World High Precision Micro-Dispensing Valve Production Value by Region (2021-2026) & (USD Million)

Table 3. World High Precision Micro-Dispensing Valve Production Value by Region (2027-2032) & (USD Million)

Table 4. World High Precision Micro-Dispensing Valve Production Value Market Share by Region (2021-2026)

Table 5. World High Precision Micro-Dispensing Valve Production Value Market Share by Region (2027-2032)

Table 6. World High Precision Micro-Dispensing Valve Production by Region (2021-2026) & (K Units)

Table 7. World High Precision Micro-Dispensing Valve Production by Region (2027-2032) & (K Units)

Table 8. World High Precision Micro-Dispensing Valve Production Market Share by Region (2021-2026)

Table 9. World High Precision Micro-Dispensing Valve Production Market Share by Region (2027-2032)

Table 10. World High Precision Micro-Dispensing Valve Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World High Precision Micro-Dispensing Valve Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. High Precision Micro-Dispensing Valve Major Market Trends

Table 13. World High Precision Micro-Dispensing Valve Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World High Precision Micro-Dispensing Valve Consumption by Region (2021-2026) & (K Units)

Table 15. World High Precision Micro-Dispensing Valve Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World High Precision Micro-Dispensing Valve Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key High Precision Micro-Dispensing Valve Producers in 2025

Table 18. World High Precision Micro-Dispensing Valve Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key High Precision Micro-Dispensing Valve Producers in 2025

Table 20. World High Precision Micro-Dispensing Valve Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global High Precision Micro-Dispensing Valve Company Evaluation Quadrant

Table 22. World High Precision Micro-Dispensing Valve Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and High Precision Micro-Dispensing Valve Production Site of Key Manufacturer

Table 24. High Precision Micro-Dispensing Valve Market: Company Product Type Footprint

Table 25. High Precision Micro-Dispensing Valve Market: Company Product Application Footprint

Table 26. High Precision Micro-Dispensing Valve Competitive Factors

Table 27. High Precision Micro-Dispensing Valve New Entrant and Capacity Expansion Plans

Table 28. High Precision Micro-Dispensing Valve Mergers & Acquisitions Activity

Table 29. United States VS China High Precision Micro-Dispensing Valve Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China High Precision Micro-Dispensing Valve Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China High Precision Micro-Dispensing Valve Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based High Precision Micro-Dispensing Valve Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers High Precision Micro-Dispensing Valve Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers High Precision Micro-Dispensing Valve Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers High Precision Micro-Dispensing Valve Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers High Precision Micro-Dispensing Valve Production Market Share (2021-2026)

Table 37. China Based High Precision Micro-Dispensing Valve Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers High Precision Micro-Dispensing Valve Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers High Precision Micro-Dispensing Valve Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers High Precision Micro-Dispensing Valve Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers High Precision Micro-Dispensing Valve Production Market Share (2021-2026)

Table 42. Rest of World Based High Precision Micro-Dispensing Valve Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers High Precision Micro-Dispensing Valve Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers High Precision Micro-Dispensing Valve Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers High Precision Micro-Dispensing Valve Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers High Precision Micro-Dispensing Valve Production Market Share (2021-2026)

Table 47. World High Precision Micro-Dispensing Valve Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World High Precision Micro-Dispensing Valve Production by Type (2021-2026) & (K Units)

Table 49. World High Precision Micro-Dispensing Valve Production by Type (2027-2032) & (K Units)

Table 50. World High Precision Micro-Dispensing Valve Production Value by Type (2021-2026) & (USD Million)

Table 51. World High Precision Micro-Dispensing Valve Production Value by Type (2027-2032) & (USD Million)

Table 52. World High Precision Micro-Dispensing Valve Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World High Precision Micro-Dispensing Valve Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World High Precision Micro-Dispensing Valve Production Value by Dispensing Method, (USD Million), 2021 & 2025 & 2032

Table 55. World High Precision Micro-Dispensing Valve Production by Dispensing Method (2021-2026) & (K Units)

Table 56. World High Precision Micro-Dispensing Valve Production by Dispensing Method (2027-2032) & (K Units)

Table 57. World High Precision Micro-Dispensing Valve Production Value by Dispensing Method (2021-2026) & (USD Million)

Table 58. World High Precision Micro-Dispensing Valve Production Value by Dispensing Method (2027-2032) & (USD Million)

Table 59. World High Precision Micro-Dispensing Valve Average Price by Dispensing

Method (2021-2026) & (US\$/Unit)

Table 60. World High Precision Micro-Dispensing Valve Average Price by Dispensing Method (2027-2032) & (US\$/Unit)

Table 61. World High Precision Micro-Dispensing Valve Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World High Precision Micro-Dispensing Valve Production by Application (2021-2026) & (K Units)

Table 63. World High Precision Micro-Dispensing Valve Production by Application (2027-2032) & (K Units)

Table 64. World High Precision Micro-Dispensing Valve Production Value by Application (2021-2026) & (USD Million)

Table 65. World High Precision Micro-Dispensing Valve Production Value by Application (2027-2032) & (USD Million)

Table 66. World High Precision Micro-Dispensing Valve Average Price by Application (2021-2026) & (US\$/Unit)

Table 67. World High Precision Micro-Dispensing Valve Average Price by Application (2027-2032) & (US\$/Unit)

Table 68. ACP Systems Basic Information, Manufacturing Base and Competitors

Table 69. ACP Systems Major Business

Table 70. ACP Systems High Precision Micro-Dispensing Valve Product and Services

Table 71. ACP Systems High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. ACP Systems Recent Developments/Updates

Table 73. ACP Systems Competitive Strengths & Weaknesses

Table 74. Mycronic Basic Information, Manufacturing Base and Competitors

Table 75. Mycronic Major Business

Table 76. Mycronic High Precision Micro-Dispensing Valve Product and Services

Table 77. Mycronic High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Mycronic Recent Developments/Updates

Table 79. Mycronic Competitive Strengths & Weaknesses

Table 80. Delo Basic Information, Manufacturing Base and Competitors

Table 81. Delo Major Business

Table 82. Delo High Precision Micro-Dispensing Valve Product and Services

Table 83. Delo High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Delo Recent Developments/Updates

Table 85. Delo Competitive Strengths & Weaknesses

Table 86. Graco Basic Information, Manufacturing Base and Competitors

Table 87. Graco Major Business

Table 88. Graco High Precision Micro-Dispensing Valve Product and Services

Table 89. Graco High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Graco Recent Developments/Updates

Table 91. Graco Competitive Strengths & Weaknesses

Table 92. ViscoTec Basic Information, Manufacturing Base and Competitors

Table 93. ViscoTec Major Business

Table 94. ViscoTec High Precision Micro-Dispensing Valve Product and Services

Table 95. ViscoTec High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. ViscoTec Recent Developments/Updates

Table 97. ViscoTec Competitive Strengths & Weaknesses

Table 98. VERMES Microdispensing Basic Information, Manufacturing Base and Competitors

Table 99. VERMES Microdispensing Major Business

Table 100. VERMES Microdispensing High Precision Micro-Dispensing Valve Product and Services

Table 101. VERMES Microdispensing High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. VERMES Microdispensing Recent Developments/Updates

Table 103. VERMES Microdispensing Competitive Strengths & Weaknesses

Table 104. Polypico Basic Information, Manufacturing Base and Competitors

Table 105. Polypico Major Business

Table 106. Polypico High Precision Micro-Dispensing Valve Product and Services

Table 107. Polypico High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. Polypico Recent Developments/Updates

Table 109. Polypico Competitive Strengths & Weaknesses

Table 110. Poly Dispensing Systems Basic Information, Manufacturing Base and Competitors

Table 111. Poly Dispensing Systems Major Business

Table 112. Poly Dispensing Systems High Precision Micro-Dispensing Valve Product and Services

Table 113. Poly Dispensing Systems High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. Poly Dispensing Systems Recent Developments/Updates

Table 115. Poly Dispensing Systems Competitive Strengths & Weaknesses

Table 116. TAEHA Corporation Basic Information, Manufacturing Base and Competitors

Table 117. TAEHA Corporation Major Business

Table 118. TAEHA Corporation High Precision Micro-Dispensing Valve Product and Services

Table 119. TAEHA Corporation High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. TAEHA Corporation Recent Developments/Updates

Table 121. TAEHA Corporation Competitive Strengths & Weaknesses

Table 122. Sanei Tech Basic Information, Manufacturing Base and Competitors

Table 123. Sanei Tech Major Business

Table 124. Sanei Tech High Precision Micro-Dispensing Valve Product and Services

Table 125. Sanei Tech High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Sanei Tech Recent Developments/Updates

Table 127. Sanei Tech Competitive Strengths & Weaknesses

Table 128. Nordson Basic Information, Manufacturing Base and Competitors

Table 129. Nordson Major Business

Table 130. Nordson High Precision Micro-Dispensing Valve Product and Services

Table 131. Nordson High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 132. Nordson Recent Developments/Updates

Table 133. Nordson Competitive Strengths & Weaknesses

Table 134. Dymax Basic Information, Manufacturing Base and Competitors

Table 135. Dymax Major Business

Table 136. Dymax High Precision Micro-Dispensing Valve Product and Services

Table 137. Dymax High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 138. Dymax Recent Developments/Updates

- Table 139. Dymax Competitive Strengths & Weaknesses
- Table 140. GPD Global Basic Information, Manufacturing Base and Competitors
- Table 141. GPD Global Major Business
- Table 142. GPD Global High Precision Micro-Dispensing Valve Product and Services
- Table 143. GPD Global High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 144. GPD Global Recent Developments/Updates
- Table 145. GPD Global Competitive Strengths & Weaknesses
- Table 146. PVA Basic Information, Manufacturing Base and Competitors
- Table 147. PVA Major Business
- Table 148. PVA High Precision Micro-Dispensing Valve Product and Services
- Table 149. PVA High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 150. PVA Recent Developments/Updates
- Table 151. PVA Competitive Strengths & Weaknesses
- Table 152. Fisnar Basic Information, Manufacturing Base and Competitors
- Table 153. Fisnar Major Business
- Table 154. Fisnar High Precision Micro-Dispensing Valve Product and Services
- Table 155. Fisnar High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 156. Fisnar Recent Developments/Updates
- Table 157. Fisnar Competitive Strengths & Weaknesses
- Table 158. Henkel Basic Information, Manufacturing Base and Competitors
- Table 159. Henkel Major Business
- Table 160. Henkel High Precision Micro-Dispensing Valve Product and Services
- Table 161. Henkel High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 162. Henkel Recent Developments/Updates
- Table 163. Henkel Competitive Strengths & Weaknesses
- Table 164. Drummond Scientific Basic Information, Manufacturing Base and Competitors
- Table 165. Drummond Scientific Major Business
- Table 166. Drummond Scientific High Precision Micro-Dispensing Valve Product and Services
- Table 167. Drummond Scientific High Precision Micro-Dispensing Valve Production (K

Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 168. Drummond Scientific Recent Developments/Updates

Table 169. Drummond Scientific Competitive Strengths & Weaknesses

Table 170. mta robotics AG Basic Information, Manufacturing Base and Competitors

Table 171. mta robotics AG Major Business

Table 172. mta robotics AG High Precision Micro-Dispensing Valve Product and Services

Table 173. mta robotics AG High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 174. mta robotics AG Recent Developments/Updates

Table 175. mta robotics AG Competitive Strengths & Weaknesses

Table 176. Techcon Basic Information, Manufacturing Base and Competitors

Table 177. Techcon Major Business

Table 178. Techcon High Precision Micro-Dispensing Valve Product and Services

Table 179. Techcon High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 180. Techcon Recent Developments/Updates

Table 181. Techcon Competitive Strengths & Weaknesses

Table 182. Intertronics Basic Information, Manufacturing Base and Competitors

Table 183. Intertronics Major Business

Table 184. Intertronics High Precision Micro-Dispensing Valve Product and Services

Table 185. Intertronics High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 186. Intertronics Recent Developments/Updates

Table 187. Intertronics Competitive Strengths & Weaknesses

Table 188. Anda Technologies Basic Information, Manufacturing Base and Competitors

Table 189. Anda Technologies Major Business

Table 190. Anda Technologies High Precision Micro-Dispensing Valve Product and Services

Table 191. Anda Technologies High Precision Micro-Dispensing Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 192. Anda Technologies Recent Developments/Updates

Table 193. Anda Technologies Competitive Strengths & Weaknesses

Table 194. Global Key Players of High Precision Micro-Dispensing Valve Upstream

(Raw Materials)

Table 195. Global High Precision Micro-Dispensing Valve Typical Customers

Table 196. High Precision Micro-Dispensing Valve Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. High Precision Micro-Dispensing Valve Picture
- Figure 2. World High Precision Micro-Dispensing Valve Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World High Precision Micro-Dispensing Valve Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World High Precision Micro-Dispensing Valve Production (2021-2032) & (K Units)
- Figure 5. World High Precision Micro-Dispensing Valve Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World High Precision Micro-Dispensing Valve Production Value Market Share by Region (2021-2032)
- Figure 7. World High Precision Micro-Dispensing Valve Production Market Share by Region (2021-2032)
- Figure 8. North America High Precision Micro-Dispensing Valve Production (2021-2032) & (K Units)
- Figure 9. Europe High Precision Micro-Dispensing Valve Production (2021-2032) & (K Units)
- Figure 10. China High Precision Micro-Dispensing Valve Production (2021-2032) & (K Units)
- Figure 11. Japan High Precision Micro-Dispensing Valve Production (2021-2032) & (K Units)
- Figure 12. High Precision Micro-Dispensing Valve Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)
- Figure 15. World High Precision Micro-Dispensing Valve Consumption Market Share by Region (2021-2032)
- Figure 16. United States High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)
- Figure 17. China High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)
- Figure 18. Europe High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)
- Figure 19. Japan High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)

Figure 20. South Korea High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)

Figure 21. ASEAN High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)

Figure 22. India High Precision Micro-Dispensing Valve Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of High Precision Micro-Dispensing Valve by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for High Precision Micro-Dispensing Valve Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for High Precision Micro-Dispensing Valve Markets in 2025

Figure 26. United States VS China: High Precision Micro-Dispensing Valve Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: High Precision Micro-Dispensing Valve Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: High Precision Micro-Dispensing Valve Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers High Precision Micro-Dispensing Valve Production Market Share 2025

Figure 30. China Based Manufacturers High Precision Micro-Dispensing Valve Production Market Share 2025

Figure 31. Rest of World Based Manufacturers High Precision Micro-Dispensing Valve Production Market Share 2025

Figure 32. World High Precision Micro-Dispensing Valve Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World High Precision Micro-Dispensing Valve Production Value Market Share by Type in 2025

Figure 34. Milliliter(mL)

Figure 35. Microliter(µL)

Figure 36. Nanoliter(nL)

Figure 37. Picoliter(pL)

Figure 38. World High Precision Micro-Dispensing Valve Production Market Share by Type (2021-2032)

Figure 39. World High Precision Micro-Dispensing Valve Production Value Market Share by Type (2021-2032)

Figure 40. World High Precision Micro-Dispensing Valve Average Price by Type (2021-2032) & (US\$/Unit)

Figure 41. World High Precision Micro-Dispensing Valve Production Value by

Dispensing Method, (USD Million), 2021 & 2025 & 2032

Figure 42. World High Precision Micro-Dispensing Valve Production Value Market Share by Dispensing Method in 2025

Figure 43. Contact Dispensing Valve

Figure 44. Non-contact Dispensing Valve

Figure 45. World High Precision Micro-Dispensing Valve Production Market Share by Dispensing Method (2021-2032)

Figure 46. World High Precision Micro-Dispensing Valve Production Value Market Share by Dispensing Method (2021-2032)

Figure 47. World High Precision Micro-Dispensing Valve Average Price by Dispensing Method (2021-2032) & (US\$/Unit)

Figure 48. World High Precision Micro-Dispensing Valve Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 49. World High Precision Micro-Dispensing Valve Production Value Market Share by Application in 2025

Figure 50. Electronics Manufacturing

Figure 51. Semiconductors

Figure 52. Industrial

Figure 53. Life Sciences

Figure 54. Others

Figure 55. World High Precision Micro-Dispensing Valve Production Market Share by Application (2021-2032)

Figure 56. World High Precision Micro-Dispensing Valve Production Value Market Share by Application (2021-2032)

Figure 57. World High Precision Micro-Dispensing Valve Average Price by Application (2021-2032) & (US\$/Unit)

Figure 58. High Precision Micro-Dispensing Valve Industry Chain

Figure 59. High Precision Micro-Dispensing Valve Procurement Model

Figure 60. High Precision Micro-Dispensing Valve Sales Model

Figure 61. High Precision Micro-Dispensing Valve Sales Channels, Direct Sales, and Distribution

Figure 62. Methodology

Figure 63. Research Process and Data Source

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