

Global Precision Needle Dispensing Valves Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Precision Needle Dispensing Valves market size was valued at US\$ 155 million in 2025 and is forecast to a readjusted size of US\$ 228 million by 2032 with a CAGR of 5.7% during review period.

In 2025, global Precision Needle Dispensing Valves production reached approximately 334.8 k units with an average global market price of around US\$450 per unit. Single-line annual production capacity averages 19 k units with a gross margin of approximately 29-32%. The upstream of the Precision Needle Dispensing Valves industry primarily involves precision machining and the supply of special materials, focusing on the medical device and automotive parts sectors. The downstream applications are extensive, with electronic components and SMT accounting for 35%, medical equipment for 30%, automotive parts for 20%, semiconductor for 15%, optical communication and LCD/LED/OLED each for 5%, and other applications for 5%. Market demand is driven by the precise assembly of electronic products and advancements in medical technology, with business opportunities lying in the provision of high-precision, high-performance customized valve solutions.

Precision Needle Dispensing Valves are meticulously crafted to deliver unparalleled control over fluid dispensing, ensuring a precise and consistent volume output. These valves are designed with precision engineering that guarantees minimal variance in dispensing, making them indispensable for applications requiring tight tolerance and exacting precision. The valves' ability to maintain a consistent flow rate and volume, regardless of pressure fluctuations or changes in fluid properties, is what sets them apart, providing a reliable and accurate solution for a wide range of dispensing tasks.

This report is a detailed and comprehensive analysis for global Precision Needle Dispensing Valves market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Precision Needle Dispensing Valves market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Precision Needle Dispensing Valves market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Precision Needle Dispensing Valves market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Precision Needle Dispensing Valves market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Precision Needle Dispensing Valves
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Precision Needle Dispensing Valves market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Fisnar, Nordson, DOPAG, DAV Tech Srl, Techcon, Technodigm, Marco Systems, Iwashita Engineering, SAN-EI TECH, Dymax, etc.

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

Market Segmentation

Precision Needle Dispensing Valves market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Pneumatically-driven Dispensing Valve

Piezo-driven Dispensing Valve

Market segment by Material

Aluminum Dispensing Valve

Stainless Steel Dispensing Valve

Plastic Dispensing Valve

Others

Market segment by Application

Electronic Components & SMT

Medical Equipment

Automotive Parts

Semiconductor

Optical Communication

LCD/LED/Organic EL

Others

Major players covered

Fisnar

Nordson

DOPAG

DAV Tech Srl

Techcon

Technodigm

Marco Systems

Iwashita Engineering

SAN-EI TECH

Dymax

PVA

Musashi Engineering

Chaozhou Three-Circle (Vermes)

Shenzhen Axxon Automatio

Argo-Tec (Shenzhen)

Shenzhen Shenwei

Zhejiang MEST Intelligent Equipment

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Precision Needle Dispensing Valves product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Precision Needle Dispensing Valves, with price, sales quantity, revenue, and global market share of Precision Needle Dispensing Valves from 2021 to 2026.

Chapter 3, the Precision Needle Dispensing Valves competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Precision Needle Dispensing Valves breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Precision Needle Dispensing Valves market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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

analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Precision Needle Dispensing Valves.

Chapter 14 and 15, to describe Precision Needle Dispensing Valves sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Precision Needle Dispensing Valves Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Pneumatically-driven Dispensing Valve

1.3.3 Piezo-driven Dispensing Valve

1.4 Market Analysis by Material

1.4.1 Overview: Global Precision Needle Dispensing Valves Consumption Value by Material: 2021 Versus 2025 Versus 2032

1.4.2 Aluminum Dispensing Valve

1.4.3 Stainless Steel Dispensing Valve

1.4.4 Plastic Dispensing Valve

1.4.5 Others

1.5 Market Analysis by Application

1.5.1 Overview: Global Precision Needle Dispensing Valves Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.5.2 Electronic Components & SMT

1.5.3 Medical Equipment

1.5.4 Automotive Parts

1.5.5 Semiconductor

1.5.6 Optical Communication

1.5.7 LCD/LED/Organic EL

1.5.8 Others

1.6 Global Precision Needle Dispensing Valves Market Size & Forecast

1.6.1 Global Precision Needle Dispensing Valves Consumption Value (2021 & 2025 & 2032)

1.6.2 Global Precision Needle Dispensing Valves Sales Quantity (2021-2032)

1.6.3 Global Precision Needle Dispensing Valves Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Fisnar

2.1.1 Fisnar Details

2.1.2 Fisnar Major Business

- 2.1.3 Fisnar Precision Needle Dispensing Valves Product and Services
- 2.1.4 Fisnar Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Fisnar Recent Developments/Updates
- 2.2 Nordson
 - 2.2.1 Nordson Details
 - 2.2.2 Nordson Major Business
 - 2.2.3 Nordson Precision Needle Dispensing Valves Product and Services
 - 2.2.4 Nordson Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Nordson Recent Developments/Updates
- 2.3 DOPAG
 - 2.3.1 DOPAG Details
 - 2.3.2 DOPAG Major Business
 - 2.3.3 DOPAG Precision Needle Dispensing Valves Product and Services
 - 2.3.4 DOPAG Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 DOPAG Recent Developments/Updates
- 2.4 DAV Tech Srl
 - 2.4.1 DAV Tech Srl Details
 - 2.4.2 DAV Tech Srl Major Business
 - 2.4.3 DAV Tech Srl Precision Needle Dispensing Valves Product and Services
 - 2.4.4 DAV Tech Srl Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 DAV Tech Srl Recent Developments/Updates
- 2.5 Techcon
 - 2.5.1 Techcon Details
 - 2.5.2 Techcon Major Business
 - 2.5.3 Techcon Precision Needle Dispensing Valves Product and Services
 - 2.5.4 Techcon Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 Techcon Recent Developments/Updates
- 2.6 Technodigm
 - 2.6.1 Technodigm Details
 - 2.6.2 Technodigm Major Business
 - 2.6.3 Technodigm Precision Needle Dispensing Valves Product and Services
 - 2.6.4 Technodigm Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.6.5 Technodigm Recent Developments/Updates

2.7 Marco Systems

2.7.1 Marco Systems Details

2.7.2 Marco Systems Major Business

2.7.3 Marco Systems Precision Needle Dispensing Valves Product and Services

2.7.4 Marco Systems Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Marco Systems Recent Developments/Updates

2.8 Iwashita Engineering

2.8.1 Iwashita Engineering Details

2.8.2 Iwashita Engineering Major Business

2.8.3 Iwashita Engineering Precision Needle Dispensing Valves Product and Services

2.8.4 Iwashita Engineering Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Iwashita Engineering Recent Developments/Updates

2.9 SAN-EI TECH

2.9.1 SAN-EI TECH Details

2.9.2 SAN-EI TECH Major Business

2.9.3 SAN-EI TECH Precision Needle Dispensing Valves Product and Services

2.9.4 SAN-EI TECH Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 SAN-EI TECH Recent Developments/Updates

2.10 Dymax

2.10.1 Dymax Details

2.10.2 Dymax Major Business

2.10.3 Dymax Precision Needle Dispensing Valves Product and Services

2.10.4 Dymax Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Dymax Recent Developments/Updates

2.11 PVA

2.11.1 PVA Details

2.11.2 PVA Major Business

2.11.3 PVA Precision Needle Dispensing Valves Product and Services

2.11.4 PVA Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 PVA Recent Developments/Updates

2.12 Musashi Engineering

2.12.1 Musashi Engineering Details

2.12.2 Musashi Engineering Major Business

2.12.3 Musashi Engineering Precision Needle Dispensing Valves Product and

Services

2.12.4 Musashi Engineering Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Musashi Engineering Recent Developments/Updates

2.13 Chaozhou Three-Circle (Vermes)

2.13.1 Chaozhou Three-Circle (Vermes) Details

2.13.2 Chaozhou Three-Circle (Vermes) Major Business

2.13.3 Chaozhou Three-Circle (Vermes) Precision Needle Dispensing Valves Product and Services

2.13.4 Chaozhou Three-Circle (Vermes) Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 Chaozhou Three-Circle (Vermes) Recent Developments/Updates

2.14 Shenzhen Axxon Automatio

2.14.1 Shenzhen Axxon Automatio Details

2.14.2 Shenzhen Axxon Automatio Major Business

2.14.3 Shenzhen Axxon Automatio Precision Needle Dispensing Valves Product and Services

2.14.4 Shenzhen Axxon Automatio Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.14.5 Shenzhen Axxon Automatio Recent Developments/Updates

2.15 Argo-Tec (Shenzhen)

2.15.1 Argo-Tec (Shenzhen) Details

2.15.2 Argo-Tec (Shenzhen) Major Business

2.15.3 Argo-Tec (Shenzhen) Precision Needle Dispensing Valves Product and Services

2.15.4 Argo-Tec (Shenzhen) Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.15.5 Argo-Tec (Shenzhen) Recent Developments/Updates

2.16 Shenzhen Shenwei

2.16.1 Shenzhen Shenwei Details

2.16.2 Shenzhen Shenwei Major Business

2.16.3 Shenzhen Shenwei Precision Needle Dispensing Valves Product and Services

2.16.4 Shenzhen Shenwei Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.16.5 Shenzhen Shenwei Recent Developments/Updates

2.17 Zhejiang MEST Intelligent Equipment

2.17.1 Zhejiang MEST Intelligent Equipment Details

2.17.2 Zhejiang MEST Intelligent Equipment Major Business

2.17.3 Zhejiang MEST Intelligent Equipment Precision Needle Dispensing Valves

Product and Services

- 2.17.4 Zhejiang MEST Intelligent Equipment Precision Needle Dispensing Valves Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.17.5 Zhejiang MEST Intelligent Equipment Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: PRECISION NEEDLE DISPENSING VALVES BY MANUFACTURER

3.1 Global Precision Needle Dispensing Valves Sales Quantity by Manufacturer (2021-2026)

3.2 Global Precision Needle Dispensing Valves Revenue by Manufacturer (2021-2026)

3.3 Global Precision Needle Dispensing Valves Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Precision Needle Dispensing Valves by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Precision Needle Dispensing Valves Manufacturer Market Share in 2025

3.4.3 Top 6 Precision Needle Dispensing Valves Manufacturer Market Share in 2025

3.5 Precision Needle Dispensing Valves Market: Overall Company Footprint Analysis

3.5.1 Precision Needle Dispensing Valves Market: Region Footprint

3.5.2 Precision Needle Dispensing Valves Market: Company Product Type Footprint

3.5.3 Precision Needle Dispensing Valves Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Precision Needle Dispensing Valves Market Size by Region

4.1.1 Global Precision Needle Dispensing Valves Sales Quantity by Region (2021-2032)

4.1.2 Global Precision Needle Dispensing Valves Consumption Value by Region (2021-2032)

4.1.3 Global Precision Needle Dispensing Valves Average Price by Region (2021-2032)

4.2 North America Precision Needle Dispensing Valves Consumption Value (2021-2032)

4.3 Europe Precision Needle Dispensing Valves Consumption Value (2021-2032)

4.4 Asia-Pacific Precision Needle Dispensing Valves Consumption Value (2021-2032)

4.5 South America Precision Needle Dispensing Valves Consumption Value
(2021-2032)

4.6 Middle East & Africa Precision Needle Dispensing Valves Consumption Value
(2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Precision Needle Dispensing Valves Sales Quantity by Type (2021-2032)

5.2 Global Precision Needle Dispensing Valves Consumption Value by Type
(2021-2032)

5.3 Global Precision Needle Dispensing Valves Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Precision Needle Dispensing Valves Sales Quantity by Application
(2021-2032)

6.2 Global Precision Needle Dispensing Valves Consumption Value by Application
(2021-2032)

6.3 Global Precision Needle Dispensing Valves Average Price by Application
(2021-2032)

7 NORTH AMERICA

7.1 North America Precision Needle Dispensing Valves Sales Quantity by Type
(2021-2032)

7.2 North America Precision Needle Dispensing Valves Sales Quantity by Application
(2021-2032)

7.3 North America Precision Needle Dispensing Valves Market Size by Country

7.3.1 North America Precision Needle Dispensing Valves Sales Quantity by Country
(2021-2032)

7.3.2 North America Precision Needle Dispensing Valves Consumption Value by
Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Precision Needle Dispensing Valves Sales Quantity by Type (2021-2032)

8.2 Europe Precision Needle Dispensing Valves Sales Quantity by Application (2021-2032)

8.3 Europe Precision Needle Dispensing Valves Market Size by Country

8.3.1 Europe Precision Needle Dispensing Valves Sales Quantity by Country (2021-2032)

8.3.2 Europe Precision Needle Dispensing Valves Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Precision Needle Dispensing Valves Market Size by Region

9.3.1 Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Precision Needle Dispensing Valves Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Precision Needle Dispensing Valves Sales Quantity by Type (2021-2032)

10.2 South America Precision Needle Dispensing Valves Sales Quantity by Application (2021-2032)

10.3 South America Precision Needle Dispensing Valves Market Size by Country

10.3.1 South America Precision Needle Dispensing Valves Sales Quantity by Country

(2021-2032)

10.3.2 South America Precision Needle Dispensing Valves Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Precision Needle Dispensing Valves Market Size by Country

11.3.1 Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Precision Needle Dispensing Valves Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Precision Needle Dispensing Valves Market Drivers

12.2 Precision Needle Dispensing Valves Market Restraints

12.3 Precision Needle Dispensing Valves Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Precision Needle Dispensing Valves and Key Manufacturers

13.2 Manufacturing Costs Percentage of Precision Needle Dispensing Valves

13.3 Precision Needle Dispensing Valves Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Precision Needle Dispensing Valves Typical Distributors

14.3 Precision Needle Dispensing Valves Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Precision Needle Dispensing Valves Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Precision Needle Dispensing Valves Consumption Value by Material, (USD Million), 2021 & 2025 & 2032

Table 3. Global Precision Needle Dispensing Valves Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. Fisnar Basic Information, Manufacturing Base and Competitors

Table 5. Fisnar Major Business

Table 6. Fisnar Precision Needle Dispensing Valves Product and Services

Table 7. Fisnar Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. Fisnar Recent Developments/Updates

Table 9. Nordson Basic Information, Manufacturing Base and Competitors

Table 10. Nordson Major Business

Table 11. Nordson Precision Needle Dispensing Valves Product and Services

Table 12. Nordson Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. Nordson Recent Developments/Updates

Table 14. DOPAG Basic Information, Manufacturing Base and Competitors

Table 15. DOPAG Major Business

Table 16. DOPAG Precision Needle Dispensing Valves Product and Services

Table 17. DOPAG Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. DOPAG Recent Developments/Updates

Table 19. DAV Tech Srl Basic Information, Manufacturing Base and Competitors

Table 20. DAV Tech Srl Major Business

Table 21. DAV Tech Srl Precision Needle Dispensing Valves Product and Services

Table 22. DAV Tech Srl Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 23. DAV Tech Srl Recent Developments/Updates

Table 24. Techcon Basic Information, Manufacturing Base and Competitors

Table 25. Techcon Major Business

- Table 26. Techcon Precision Needle Dispensing Valves Product and Services
- Table 27. Techcon Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 28. Techcon Recent Developments/Updates
- Table 29. Technodigm Basic Information, Manufacturing Base and Competitors
- Table 30. Technodigm Major Business
- Table 31. Technodigm Precision Needle Dispensing Valves Product and Services
- Table 32. Technodigm Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 33. Technodigm Recent Developments/Updates
- Table 34. Marco Systems Basic Information, Manufacturing Base and Competitors
- Table 35. Marco Systems Major Business
- Table 36. Marco Systems Precision Needle Dispensing Valves Product and Services
- Table 37. Marco Systems Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 38. Marco Systems Recent Developments/Updates
- Table 39. Iwashita Engineering Basic Information, Manufacturing Base and Competitors
- Table 40. Iwashita Engineering Major Business
- Table 41. Iwashita Engineering Precision Needle Dispensing Valves Product and Services
- Table 42. Iwashita Engineering Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 43. Iwashita Engineering Recent Developments/Updates
- Table 44. SAN-EI TECH Basic Information, Manufacturing Base and Competitors
- Table 45. SAN-EI TECH Major Business
- Table 46. SAN-EI TECH Precision Needle Dispensing Valves Product and Services
- Table 47. SAN-EI TECH Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 48. SAN-EI TECH Recent Developments/Updates
- Table 49. Dymax Basic Information, Manufacturing Base and Competitors
- Table 50. Dymax Major Business
- Table 51. Dymax Precision Needle Dispensing Valves Product and Services
- Table 52. Dymax Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share

(2021-2026)

Table 53. Dymax Recent Developments/Updates

Table 54. PVA Basic Information, Manufacturing Base and Competitors

Table 55. PVA Major Business

Table 56. PVA Precision Needle Dispensing Valves Product and Services

Table 57. PVA Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 58. PVA Recent Developments/Updates

Table 59. Musashi Engineering Basic Information, Manufacturing Base and Competitors

Table 60. Musashi Engineering Major Business

Table 61. Musashi Engineering Precision Needle Dispensing Valves Product and Services

Table 62. Musashi Engineering Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 63. Musashi Engineering Recent Developments/Updates

Table 64. Chaozhou Three-Circle (Vermes) Basic Information, Manufacturing Base and Competitors

Table 65. Chaozhou Three-Circle (Vermes) Major Business

Table 66. Chaozhou Three-Circle (Vermes) Precision Needle Dispensing Valves Product and Services

Table 67. Chaozhou Three-Circle (Vermes) Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 68. Chaozhou Three-Circle (Vermes) Recent Developments/Updates

Table 69. Shenzhen Axxon Automatio Basic Information, Manufacturing Base and Competitors

Table 70. Shenzhen Axxon Automatio Major Business

Table 71. Shenzhen Axxon Automatio Precision Needle Dispensing Valves Product and Services

Table 72. Shenzhen Axxon Automatio Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 73. Shenzhen Axxon Automatio Recent Developments/Updates

Table 74. Argo-Tec (Shenzhen) Basic Information, Manufacturing Base and Competitors

Table 75. Argo-Tec (Shenzhen) Major Business

Table 76. Argo-Tec (Shenzhen) Precision Needle Dispensing Valves Product and Services

Table 77. Argo-Tec (Shenzhen) Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Argo-Tec (Shenzhen) Recent Developments/Updates

Table 79. Shenzhen Shenwei Basic Information, Manufacturing Base and Competitors

Table 80. Shenzhen Shenwei Major Business

Table 81. Shenzhen Shenwei Precision Needle Dispensing Valves Product and Services

Table 82. Shenzhen Shenwei Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 83. Shenzhen Shenwei Recent Developments/Updates

Table 84. Zhejiang MEST Intelligent Equipment Basic Information, Manufacturing Base and Competitors

Table 85. Zhejiang MEST Intelligent Equipment Major Business

Table 86. Zhejiang MEST Intelligent Equipment Precision Needle Dispensing Valves Product and Services

Table 87. Zhejiang MEST Intelligent Equipment Precision Needle Dispensing Valves Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 88. Zhejiang MEST Intelligent Equipment Recent Developments/Updates

Table 89. Global Precision Needle Dispensing Valves Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 90. Global Precision Needle Dispensing Valves Revenue by Manufacturer (2021-2026) & (USD Million)

Table 91. Global Precision Needle Dispensing Valves Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 92. Market Position of Manufacturers in Precision Needle Dispensing Valves, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 93. Head Office and Precision Needle Dispensing Valves Production Site of Key Manufacturer

Table 94. Precision Needle Dispensing Valves Market: Company Product Type Footprint

Table 95. Precision Needle Dispensing Valves Market: Company Product Application Footprint

Table 96. Precision Needle Dispensing Valves New Market Entrants and Barriers to Market Entry

Table 97. Precision Needle Dispensing Valves Mergers, Acquisition, Agreements, and Collaborations

Table 98. Global Precision Needle Dispensing Valves Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 99. Global Precision Needle Dispensing Valves Sales Quantity by Region (2021-2026) & (K Units)

Table 100. Global Precision Needle Dispensing Valves Sales Quantity by Region (2027-2032) & (K Units)

Table 101. Global Precision Needle Dispensing Valves Consumption Value by Region (2021-2026) & (USD Million)

Table 102. Global Precision Needle Dispensing Valves Consumption Value by Region (2027-2032) & (USD Million)

Table 103. Global Precision Needle Dispensing Valves Average Price by Region (2021-2026) & (US\$/Unit)

Table 104. Global Precision Needle Dispensing Valves Average Price by Region (2027-2032) & (US\$/Unit)

Table 105. Global Precision Needle Dispensing Valves Sales Quantity by Type (2021-2026) & (K Units)

Table 106. Global Precision Needle Dispensing Valves Sales Quantity by Type (2027-2032) & (K Units)

Table 107. Global Precision Needle Dispensing Valves Consumption Value by Type (2021-2026) & (USD Million)

Table 108. Global Precision Needle Dispensing Valves Consumption Value by Type (2027-2032) & (USD Million)

Table 109. Global Precision Needle Dispensing Valves Average Price by Type (2021-2026) & (US\$/Unit)

Table 110. Global Precision Needle Dispensing Valves Average Price by Type (2027-2032) & (US\$/Unit)

Table 111. Global Precision Needle Dispensing Valves Sales Quantity by Application (2021-2026) & (K Units)

Table 112. Global Precision Needle Dispensing Valves Sales Quantity by Application (2027-2032) & (K Units)

Table 113. Global Precision Needle Dispensing Valves Consumption Value by Application (2021-2026) & (USD Million)

Table 114. Global Precision Needle Dispensing Valves Consumption Value by Application (2027-2032) & (USD Million)

Table 115. Global Precision Needle Dispensing Valves Average Price by Application (2021-2026) & (US\$/Unit)

Table 116. Global Precision Needle Dispensing Valves Average Price by Application (2027-2032) & (US\$/Unit)

Table 117. North America Precision Needle Dispensing Valves Sales Quantity by Type

(2021-2026) & (K Units)

Table 118. North America Precision Needle Dispensing Valves Sales Quantity by Type (2027-2032) & (K Units)

Table 119. North America Precision Needle Dispensing Valves Sales Quantity by Application (2021-2026) & (K Units)

Table 120. North America Precision Needle Dispensing Valves Sales Quantity by Application (2027-2032) & (K Units)

Table 121. North America Precision Needle Dispensing Valves Sales Quantity by Country (2021-2026) & (K Units)

Table 122. North America Precision Needle Dispensing Valves Sales Quantity by Country (2027-2032) & (K Units)

Table 123. North America Precision Needle Dispensing Valves Consumption Value by Country (2021-2026) & (USD Million)

Table 124. North America Precision Needle Dispensing Valves Consumption Value by Country (2027-2032) & (USD Million)

Table 125. Europe Precision Needle Dispensing Valves Sales Quantity by Type (2021-2026) & (K Units)

Table 126. Europe Precision Needle Dispensing Valves Sales Quantity by Type (2027-2032) & (K Units)

Table 127. Europe Precision Needle Dispensing Valves Sales Quantity by Application (2021-2026) & (K Units)

Table 128. Europe Precision Needle Dispensing Valves Sales Quantity by Application (2027-2032) & (K Units)

Table 129. Europe Precision Needle Dispensing Valves Sales Quantity by Country (2021-2026) & (K Units)

Table 130. Europe Precision Needle Dispensing Valves Sales Quantity by Country (2027-2032) & (K Units)

Table 131. Europe Precision Needle Dispensing Valves Consumption Value by Country (2021-2026) & (USD Million)

Table 132. Europe Precision Needle Dispensing Valves Consumption Value by Country (2027-2032) & (USD Million)

Table 133. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Type (2021-2026) & (K Units)

Table 134. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Type (2027-2032) & (K Units)

Table 135. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Application (2021-2026) & (K Units)

Table 136. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Application (2027-2032) & (K Units)

Table 137. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Region (2021-2026) & (K Units)

Table 138. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity by Region (2027-2032) & (K Units)

Table 139. Asia-Pacific Precision Needle Dispensing Valves Consumption Value by Region (2021-2026) & (USD Million)

Table 140. Asia-Pacific Precision Needle Dispensing Valves Consumption Value by Region (2027-2032) & (USD Million)

Table 141. South America Precision Needle Dispensing Valves Sales Quantity by Type (2021-2026) & (K Units)

Table 142. South America Precision Needle Dispensing Valves Sales Quantity by Type (2027-2032) & (K Units)

Table 143. South America Precision Needle Dispensing Valves Sales Quantity by Application (2021-2026) & (K Units)

Table 144. South America Precision Needle Dispensing Valves Sales Quantity by Application (2027-2032) & (K Units)

Table 145. South America Precision Needle Dispensing Valves Sales Quantity by Country (2021-2026) & (K Units)

Table 146. South America Precision Needle Dispensing Valves Sales Quantity by Country (2027-2032) & (K Units)

Table 147. South America Precision Needle Dispensing Valves Consumption Value by Country (2021-2026) & (USD Million)

Table 148. South America Precision Needle Dispensing Valves Consumption Value by Country (2027-2032) & (USD Million)

Table 149. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Type (2021-2026) & (K Units)

Table 150. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Type (2027-2032) & (K Units)

Table 151. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Application (2021-2026) & (K Units)

Table 152. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Application (2027-2032) & (K Units)

Table 153. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Country (2021-2026) & (K Units)

Table 154. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity by Country (2027-2032) & (K Units)

Table 155. Middle East & Africa Precision Needle Dispensing Valves Consumption Value by Country (2021-2026) & (USD Million)

Table 156. Middle East & Africa Precision Needle Dispensing Valves Consumption

Value by Country (2027-2032) & (USD Million)

Table 157. Precision Needle Dispensing Valves Raw Material

Table 158. Key Manufacturers of Precision Needle Dispensing Valves Raw Materials

Table 159. Precision Needle Dispensing Valves Typical Distributors

Table 160. Precision Needle Dispensing Valves Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Precision Needle Dispensing Valves Picture
- Figure 2. Global Precision Needle Dispensing Valves Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Precision Needle Dispensing Valves Revenue Market Share by Type in 2025
- Figure 4. Pneumatically-driven Dispensing Valve Examples
- Figure 5. Piezo-driven Dispensing Valve Examples
- Figure 6. Global Precision Needle Dispensing Valves Revenue by Material, (USD Million), 2021 & 2025 & 2032
- Figure 7. Global Precision Needle Dispensing Valves Revenue Market Share by Material in 2025
- Figure 8. Aluminum Dispensing Valve Examples
- Figure 9. Stainless Steel Dispensing Valve Examples
- Figure 10. Plastic Dispensing Valve Examples
- Figure 11. Others Examples
- Figure 12. Global Precision Needle Dispensing Valves Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global Precision Needle Dispensing Valves Revenue Market Share by Application in 2025
- Figure 14. Electronic Components & SMT Examples
- Figure 15. Medical Equipment Examples
- Figure 16. Automotive Parts Examples
- Figure 17. Semiconductor Examples
- Figure 18. Optical Communication Examples
- Figure 19. LCD/LED/Organic EL Examples
- Figure 20. Others Examples
- Figure 21. Global Precision Needle Dispensing Valves Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 22. Global Precision Needle Dispensing Valves Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 23. Global Precision Needle Dispensing Valves Sales Quantity (2021-2032) & (K Units)
- Figure 24. Global Precision Needle Dispensing Valves Price (2021-2032) & (US\$/Unit)
- Figure 25. Global Precision Needle Dispensing Valves Sales Quantity Market Share by Manufacturer in 2025

Figure 26. Global Precision Needle Dispensing Valves Revenue Market Share by Manufacturer in 2025

Figure 27. Producer Shipments of Precision Needle Dispensing Valves by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 28. Top 3 Precision Needle Dispensing Valves Manufacturer (Revenue) Market Share in 2025

Figure 29. Top 6 Precision Needle Dispensing Valves Manufacturer (Revenue) Market Share in 2025

Figure 30. Global Precision Needle Dispensing Valves Sales Quantity Market Share by Region (2021-2032)

Figure 31. Global Precision Needle Dispensing Valves Consumption Value Market Share by Region (2021-2032)

Figure 32. North America Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 33. Europe Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 34. Asia-Pacific Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 35. South America Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 36. Middle East & Africa Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 37. Global Precision Needle Dispensing Valves Sales Quantity Market Share by Type (2021-2032)

Figure 38. Global Precision Needle Dispensing Valves Consumption Value Market Share by Type (2021-2032)

Figure 39. Global Precision Needle Dispensing Valves Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. Global Precision Needle Dispensing Valves Sales Quantity Market Share by Application (2021-2032)

Figure 41. Global Precision Needle Dispensing Valves Revenue Market Share by Application (2021-2032)

Figure 42. Global Precision Needle Dispensing Valves Average Price by Application (2021-2032) & (US\$/Unit)

Figure 43. North America Precision Needle Dispensing Valves Sales Quantity Market Share by Type (2021-2032)

Figure 44. North America Precision Needle Dispensing Valves Sales Quantity Market Share by Application (2021-2032)

Figure 45. North America Precision Needle Dispensing Valves Sales Quantity Market

Share by Country (2021-2032)

Figure 46. North America Precision Needle Dispensing Valves Consumption Value

Market Share by Country (2021-2032)

Figure 47. United States Precision Needle Dispensing Valves Consumption Value

(2021-2032) & (USD Million)

Figure 48. Canada Precision Needle Dispensing Valves Consumption Value

(2021-2032) & (USD Million)

Figure 49. Mexico Precision Needle Dispensing Valves Consumption Value

(2021-2032) & (USD Million)

Figure 50. Europe Precision Needle Dispensing Valves Sales Quantity Market Share by Type (2021-2032)

Figure 51. Europe Precision Needle Dispensing Valves Sales Quantity Market Share by Application (2021-2032)

Figure 52. Europe Precision Needle Dispensing Valves Sales Quantity Market Share by Country (2021-2032)

Figure 53. Europe Precision Needle Dispensing Valves Consumption Value Market Share by Country (2021-2032)

Figure 54. Germany Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 55. France Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 56. United Kingdom Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 57. Russia Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 58. Italy Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 59. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity Market Share by Type (2021-2032)

Figure 60. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity Market Share by Application (2021-2032)

Figure 61. Asia-Pacific Precision Needle Dispensing Valves Sales Quantity Market Share by Region (2021-2032)

Figure 62. Asia-Pacific Precision Needle Dispensing Valves Consumption Value Market Share by Region (2021-2032)

Figure 63. China Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 64. Japan Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 65. South Korea Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 66. India Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 67. Southeast Asia Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 68. Australia Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 69. South America Precision Needle Dispensing Valves Sales Quantity Market Share by Type (2021-2032)

Figure 70. South America Precision Needle Dispensing Valves Sales Quantity Market Share by Application (2021-2032)

Figure 71. South America Precision Needle Dispensing Valves Sales Quantity Market Share by Country (2021-2032)

Figure 72. South America Precision Needle Dispensing Valves Consumption Value Market Share by Country (2021-2032)

Figure 73. Brazil Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 74. Argentina Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 75. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity Market Share by Type (2021-2032)

Figure 76. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity Market Share by Application (2021-2032)

Figure 77. Middle East & Africa Precision Needle Dispensing Valves Sales Quantity Market Share by Country (2021-2032)

Figure 78. Middle East & Africa Precision Needle Dispensing Valves Consumption Value Market Share by Country (2021-2032)

Figure 79. Turkey Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 80. Egypt Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 81. Saudi Arabia Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 82. South Africa Precision Needle Dispensing Valves Consumption Value (2021-2032) & (USD Million)

Figure 83. Precision Needle Dispensing Valves Market Drivers

Figure 84. Precision Needle Dispensing Valves Market Restraints

Figure 85. Precision Needle Dispensing Valves Market Trends

Figure 86. Porters Five Forces Analysis

Figure 87. Manufacturing Cost Structure Analysis of Precision Needle Dispensing Valves in 2025

Figure 88. Manufacturing Process Analysis of Precision Needle Dispensing Valves

Figure 89. Precision Needle Dispensing Valves Industrial Chain

Figure 90. Sales Channel: Direct to End-User vs Distributors

Figure 91. Direct Channel Pros & Cons

Figure 92. Indirect Channel Pros & Cons

Figure 93. Methodology

Figure 94. Research Process and Data Source

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