

# Global Needle Microdispensing Valves Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Needle Microdispensing Valves market size is expected to reach \$ 258 million by 2032, rising at a market growth of 5.9% CAGR during the forecast period (2026-2032).

In 2025, global Needle Microdispensing Valves production reached approximately 373.3 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 32-35%. The upstream of the Needle Microdispensing Valves industry primarily focuses on precision machining and the supply of special materials, concentrating on the medical device and electronic component sectors. The downstream applications are extensive, with electronic components and SMT accounting for the highest share at 50%, followed by medical equipment at 30%, automotive parts at 10%, semiconductor at 5%, optical communication and LCD/LED/OLED each at 5%, and other fields at 10%. Market demand is driven by the development of the electronic manufacturing and medical device industries, with business opportunities lying in the provision of precise dispensing solutions to meet the sophisticated requirements of high-precision fluid management.

Microdispensing valves, featuring a precision-engineered needle, are designed to facilitate the application of minute quantities of fluids with unparalleled accuracy. The needle type is optimized for the delicate process of dispensing adhesives, sealants, and other fluids in controlled amounts, ensuring that the dispensed material is deposited with precision and consistency. The valves are constructed to accommodate various fluid viscosities and to provide a consistent flow rate, which is crucial for applications requiring precise control over the placement and volume of the dispensed substance. The system's compact design and ability to integrate seamlessly into automated

processes contribute to its effectiveness in applications where the accuracy and reliability of fluid application are paramount.

This report studies the global Needle Microdispensing Valves production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Needle Microdispensing Valves 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 Needle Microdispensing Valves that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Needle Microdispensing Valves total production and demand, 2021-2032, (K Units)

Global Needle Microdispensing Valves total production value, 2021-2032, (USD Million)

Global Needle Microdispensing Valves production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Needle Microdispensing Valves consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Needle Microdispensing Valves domestic production, consumption, key domestic manufacturers and share

Global Needle Microdispensing Valves production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Needle Microdispensing Valves production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Needle Microdispensing Valves production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Needle Microdispensing Valves 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Needle Microdispensing Valves 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 Needle Microdispensing Valves Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Needle Microdispensing Valves Market, Segmentation by Type:

Pneumatically-driven Dispensing Valve

Piezo-driven Dispensing Valve

Global Needle Microdispensing Valves Market, Segmentation by Material:

Aluminum Dispensing Valve

Stainless Steel Dispensing Valve

Plastic Dispensing Valve

Others

Global Needle Microdispensing Valves Market, Segmentation by Application:

Electronic Components & SMT

Medical Equipment

Automotive Parts

Semiconductor

Optical Communication

LCD/LED/Organic EL

Others

Companies Profiled:

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

### **Key Questions Answered:**

1. How big is the global Needle Microdispensing Valves market?
2. What is the demand of the global Needle Microdispensing Valves market?
3. What is the year over year growth of the global Needle Microdispensing Valves market?
4. What is the production and production value of the global Needle Microdispensing Valves market?
5. Who are the key producers in the global Needle Microdispensing Valves market?

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

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