

Global Microneedle Drug Delivery Systems Market Growth (Status and Outlook) 2025-2031

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Abstracts

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The global Microneedle Drug Delivery Systems market size is predicted to grow from US\$ 11.7 million in 2025 to US\$ 370 million in 2031; it is expected to grow at a CAGR of 77.8% from 2025 to 2031.

Microneedle drug delivery systems usually include Hollow Microneedle Technology microneedle and Dissolving Microneedles Technology microneedle technology, offer patient-friendly delivery solutions for vaccines or difficult-to-deliver biologics for particularly needle-phobic patients.

In this report, we mainly study the forecast market due to there is no product on the market, most product on the research.

Microneedles are a rapidly growing technology developed to solve issues surrounding intradermal drug administration. While many microneedle platforms have been developed over nearly 2 decades, the issues and concerns remain largely the same.

The classification of Microneedle Drug Delivery Systems includes Hollow Microneedle Technology, Solid Microneedle Technology and Dissolving Microneedles Technology, and the proportion of Hollow Microneedle Technology occupies the most proportions.

Microneedle Drug Delivery Systems is widely used in Drug Delivery, Vaccine Delivery and other field. The most proportion of Microneedle Drug Delivery Systems is used for vaccine delivery.

3M, Zosano Pharma, Becton-Dickinson(BD)Technologies, Nanopass Technologies, Corium, Valeritas are the leaders of the industry, and they hold key technologies and patents, with high-end customers.

LPI (LP Information)' newest research report, the "Microneedle Drug Delivery Systems Industry Forecast" looks at past sales and reviews total world Microneedle Drug Delivery Systems sales in 2024, providing a comprehensive analysis by region and market sector of projected Microneedle Drug Delivery Systems sales for 2025 through 2031. With Microneedle Drug Delivery Systems sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Microneedle Drug Delivery Systems industry.

This Insight Report provides a comprehensive analysis of the global Microneedle Drug Delivery Systems landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Microneedle Drug Delivery Systems portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Microneedle Drug Delivery Systems market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Microneedle Drug Delivery Systems and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Microneedle Drug Delivery Systems.

This report presents a comprehensive overview, market shares, and growth opportunities of Microneedle Drug Delivery Systems market by product type, application, key players and key regions and countries.

Segmentation by Type:

Hollow Microneedle Technology

Solid Microneedle Technology

Dissolving Microneedles Technology

Segmentation by Application:

Drug Delivery

Vaccine Delivery

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

KINDEVA

Zosano Pharma

Becton-Dickinson(BD)Technologies

Nanopass Technologies

Corium

Valeritas

Nitto

Microdermics

TheraJect, Inc

Vaxxas

Lohmann Therapie-Systeme AG

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