

# Global Drug Delivery Microarray Patches 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 Drug Delivery Microarray Patches market size was valued at US\$ 417 million in 2025 and is forecast to a readjusted size of US\$ 653 million by 2032 with a CAGR of 6.6% during review period.

Drug delivery microarray patches are skin-applied patches that carry a dense array of microscopic projections (microneedles) designed to painlessly breach the outer skin barrier and deposit a drug into the shallow skin layers for absorption. Depending on the design, the microprojections may be dissolving/biodegradable (releasing the dose as the tips dissolve), coated (drug layer transfers off the projections), solid (create microchannels for a separately applied formulation), or hollow (infuse a liquid). Because they can enable simple patch-like self-administration, avoid sharps waste, and potentially improve stability for certain formulations, microarray patches are being developed for vaccines, biologics, and small-molecule therapies where easier delivery and better adherence are valuable. Consumer/cosmetic microneedle patches typically cost between \$0.75 and \$1.60 per patch. Vaccine microarray patches (MAPs) cost between \$0.85 and \$5.00 per dose/patch.

Drug delivery microarray patches (MAPs) sit at the intersection of pharma formulation and precision microfabrication. Upstream inputs include the active drug substance (small molecules, biologics, or vaccine antigens), stabilizing excipients (sugars, polymers, buffers, surfactants), and microneedle structural materials (dissolving polymers/sugars for soluble MAPs, or silicon/metal/ceramic/rigid polymers for insoluble designs), plus high-precision tooling and equipment (micro-molds, etching/laser machining, coating/casting and drying systems) and medical-grade converting materials

(backing films, pressure-sensitive adhesives, liners, desiccants, foil pouches). Manufacturing then combines microneedle array formation, drug loading (tip-casting, matrix mixing, or surface coating), moisture-controlled drying/curing, lamination/assembly, and rigorous QC for dose uniformity, mechanical strength and insertion performance, extractables/leachables, and stability; depending on product, it may also include sterilization or aseptic controls and an applicator. Downstream, MAPs are supplied as combination products through clinical-trial and commercial channels, with packaging and logistics designed around humidity/temperature sensitivity and traceability; end users range from self-administration at home (chronic therapies) to clinics and mass-immunization programs, with training, labeling, and pharmacovigilance requirements that resemble both drug and device workflows.

This report is a detailed and comprehensive analysis for global Drug Delivery Microarray Patches 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 Drug Delivery Microarray Patches market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Drug Delivery Microarray Patches market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Drug Delivery Microarray Patches market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Drug Delivery Microarray Patches market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (US\$/Pc), 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 Drug Delivery Microarray Patches  
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 Drug Delivery Microarray Patches 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 Kindeva, Raphas, CosMED Pharmaceutical, Vaxess Technologies, Micron Biomedical, LTS Lohmann Therapie-Systeme, ArrayPatch, CeraVx, Zhongke Microneedle (Beijing) Technology, Zhuhai Youwe Biotechnology, etc.

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

## **Market Segmentation**

Drug Delivery Microarray Patches 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**

Dissolving

Non-dissolving

### **Market segment by Microneedle Material**

Hyaluronic Acid

Taurine

Triple-helical Collagen

PGA?PLA?PP

## **Market segment by Application**

Medical

Cosmetics

## **Major players covered**

Kindeva

Raphas

CosMED Pharmaceutical

Vaxess Technologies

Micron Biomedical

LTS Lohmann Therapie-Systeme

ArrayPatch

CeraVx

Zhongke Microneedle (Beijing) Technology

Zhuhai Youwe Biotechnology

Youwei (Zhuhai) Biotechnology

WCC Biomedical

Hisamitsu Pharmaceutical

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 Drug Delivery Microarray Patches product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Drug Delivery Microarray Patches, with price, sales quantity, revenue, and global market share of Drug Delivery Microarray Patches from 2021 to 2026.

Chapter 3, the Drug Delivery Microarray Patches competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Drug Delivery Microarray Patches 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 Drug Delivery Microarray Patches 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 Drug Delivery Microarray Patches.

Chapter 14 and 15, to describe Drug Delivery Microarray Patches sales channel, distributors, customers, research findings and conclusion.

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