

Global Micro-pumps Market Size study, by Product (Mechanical, Non-mechanical), by Application (Drug Delivery, In-vitro Diagnostics, Medical Devices), by End-use (Biotechnological & Pharmaceutical Companies, Hospitals & Diagnostic Centers, Academic & Research Institutes) and Regional Forecasts 2022-2032

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Abstracts

The global Micro-pumps Market was valued at approximately USD 2.1 billion in 2023 and is projected to expand at a robust CAGR of 17.7% during the forecast period from 2024 to 2032. Micro-pumps have become indispensable in medical and laboratory applications due to their precision and reliability. They play a pivotal role in drug delivery, in-vitro diagnostics, and medical devices, among other uses. Their capability to handle and dispense fluids with extraordinary accuracy has established them as a cornerstone in the advancement of biopharmaceutical processes and healthcare technologies.

The surge in demand for micro-pumps is driven by the rising prevalence of chronic diseases requiring effective and precise drug delivery solutions. Innovations in smart devices and advancements in wireless connectivity have further revolutionized the micro-pumps market. For instance, continuous glucose monitoring systems and other wearable healthcare devices now integrate micro-pump technology to ensure seamless and real-time medication administration, greatly enhancing patient compliance and treatment efficacy.

The post-pandemic era has underscored the criticality of micro-pumps in emergency healthcare solutions, including ventilators and nebulizers. During COVID-19, the



substantial production of emergency devices and diagnostic kits relied heavily on micro-pump technology, significantly boosting market growth. Simultaneously, emerging markets have witnessed escalated adoption rates as healthcare infrastructure undergoes rapid modernization, supported by increased government and private investments.

Geographically, North America holds the largest revenue share in the micro-pumps market due to high healthcare spending and a well-established biotechnology sector. Europe, with its robust pharmaceutical industry, continues to contribute significantly to market growth. However, Asia-Pacific is expected to witness the highest CAGR during the forecast period, driven by rising healthcare demands, increasing adoption of portable diagnostic devices, and substantial advancements in biotechnology and pharmaceuticals.

Major market players included in this report are:

Bartels Mikrotechnik GmbH

B?rkert Fluid Control Systems

TOPS INDUSTRY & TECHNOLOGY CO., LTD.

The Lee Company

Xiamen AJK Technology Co., Ltd.

Xavitech

ALLDOO Micropump

Dolomite Microfluidics (Backtrace Holdings Ltd.)

Arcmed Group (Halma)

Servoflo Corporation

Parker Hannifin Corporation

KNF Neuberger Inc.



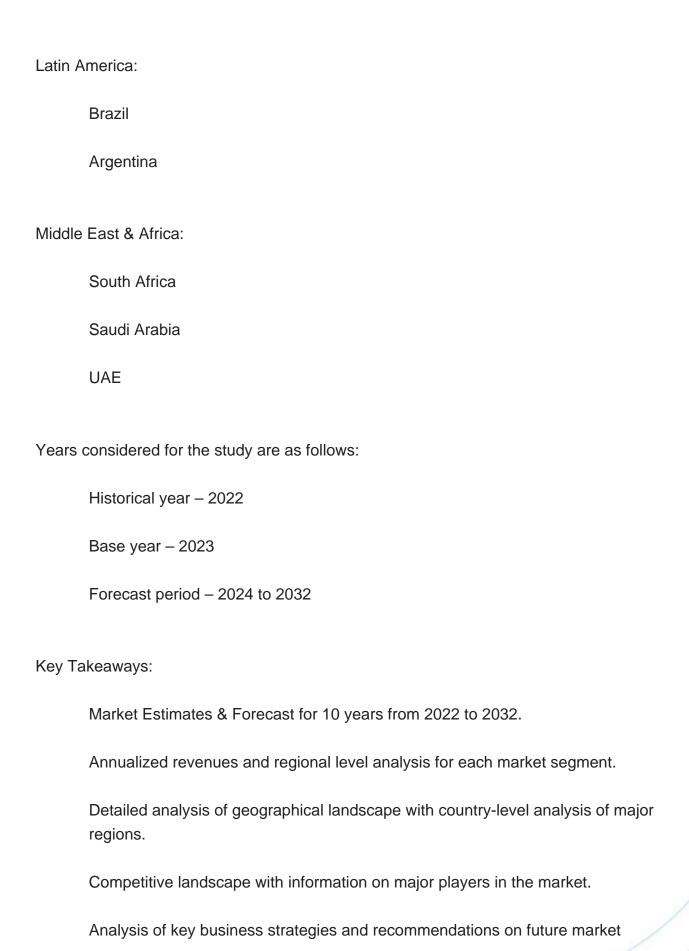
Watson-Marlow Fluid Technology Group		
Advanced Microfluidics SA		
Takasago Electric, Inc.		
The detailed segments and sub-segment of the market are explained below:		
By Product:		
Mechanical		
Piezoelectric Micro-pump		
Peristaltic Pump		
Others		
Non-mechanical		
Pu Application:		
By Application:		
Drug Delivery		
In-vitro Diagnostics		
Medical Devices		
Others		
By End-use:		
Biotechnological & Pharmaceutical Companies		
Hospitals & Diagnostic Centers		



Academic & Research Institutes

By Region:		
North America:		
	U.S.	
	Canada	
	Mexico	
Europe:		
	Germany	
	UK	
	France	
	Italy	
,	Spain	
Asia Pacific:		
	China	
,	Japan	
	India	
,	South Korea	
,	Australia	







approach.

Demand-side and supply-side analysis of the market.



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