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# Global 3D Printed Microfluidic Chips 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 3D Printed Microfluidic Chips market size was valued at US$ 84.25 million in 2025 and is forecast to a readjusted size of US$ 149 million by 2032 with a CAGR of 9.3% during review period.

3D-Printed Microfluidic Chip Devices are microfluidic platforms fabricated using additive manufacturing technologies—such as SLA/DLP photopolymerization, two-photon polymerization (2PP), PolyJet multi-material jetting, FDM thermoplastic printing, and SLS powder-bed fusion—to form enclosed microscale channels, mixers, droplet generators, reaction chambers, and 3D fluidic networks that cannot be produced by traditional planar microfabrication. These devices may use photopolymer resins, thermoplastics (PLA, ABS, PETG, COC), elastomers, or hybrid composite materials, enabling rapid prototyping, fully 3D channel geometries, embedded components, integrated sensors, and flexible structural design for applications including biomedical diagnostics, organ-on-chip systems, droplet microfluidics, chemical microreactors, and point-of-care testing. The industry chain begins upstream with raw materials (UV-curable resins, thermoplastic pellets or filaments, functional hybrid materials), 3D printing hardware suppliers (SLA/DLP printers, 2PP nanofabrication tools, PolyJet systems), software for CAD/CAM design, and surface-treatment or post-processing materials for channel sealing. The midstream consists of microfluidic design services, 3D printing service bureaus, OEM cartridge developers, surface finishing, channel sealing, multilayer printing, embedded sensor integration, and quality testing. The downstream sector includes biomedical companies (POCT, biosensing, organ-on-chip), academic research labs, pharmaceutical screening platforms, chemical synthesis firms, environmental monitoring devices, and consumer or field-deployable diagnostic systems. Due to the high customization, rapid iteration cycles, and relatively low

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material cost but higher value-added design & fabrication expertise, industry average gross margins are typically 40%–60% for 3D-printed microfluidic prototypes.

In 2025, global 3D Printed Microfluidic Chips sales volume reached approximately 0.92 million units, with an average global market price of around US$ 89 per unit.

This report is a detailed and comprehensive analysis for global 3D Printed Microfluidic Chips 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 3D Printed Microfluidic Chips market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global 3D Printed Microfluidic Chips 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 3D Printed Microfluidic Chips 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 3D Printed Microfluidic Chips 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 3D Printed Microfluidic Chips
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 3D Printed Microfluidic Chips market based on the following parameters - company overview, sales quantity, revenue, price, gross

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margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Dolomite Microfluidics, Elveflow, Prismlab, uFluidix, NanoPhoenix, Nanoscribe, Asiga, etc.

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

**Market Segmentation**

3D Printed Microfluidic Chips 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**

SLA/DLP

FDM

SLS

Other

Market segment by Materials

Thermoplastic Microfluidic Chip

Elastomeric Microfluidic Chip

Others

**Market segment by Application**

Biochemical Analysis

Clinical Diagnosis

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Other

Major players covered

Dolomite Microfluidics

Elveflow

Prismlab

uFluidix

NanoPhoenix

Nanoscribe

Asiga

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 3D Printed Microfluidic Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 3D Printed Microfluidic Chips, with price, sales quantity, revenue, and global market share of 3D Printed Microfluidic Chips from 2021 to 2026.

Chapter 3, the 3D Printed Microfluidic Chips competitive situation, sales quantity,

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revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 3D Printed Microfluidic Chips 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 3D Printed Microfluidic Chips 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 3D Printed Microfluidic Chips.

Chapter 14 and 15, to describe 3D Printed Microfluidic Chips sales channel, distributors, customers, research findings and conclusion.

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