

# **Syringes Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Material (Plastic, Glass), By End Use (Hospitals & Clinics, Blood Collection Centers, Ambulatory Care Centers, Others), By Region & Competition, 2021-2031F**

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## **Abstracts**

The Global market for syringes is anticipated to expand from USD 15.67 billion in 2025 to USD 22.35 billion by 2031, reflecting a compound annual growth rate (CAGR) of 6.1%. Designed to either extract or administer bodily fluids, a standard syringe generally consists of a graded tube, a tightly fitted piston, and frequently a removable needle. The primary catalysts for this industry's expansion include the growing incidence of chronic illnesses that demand regular injectable therapies, an aging global population in need of advanced medical attention, and the broadening scope of worldwide vaccination initiatives. Together, these core elements highlight the ongoing global requirement for fundamental medical injection tools.

Reflecting this substantial need, the 2024 UNICEF Supply Annual Report noted that the agency distributed 886.19 million syringes across the globe. Nevertheless, the industry faces notable growth barriers due to ongoing shortages of raw materials and geopolitical tensions that trigger supply chain interruptions, subsequently driving up manufacturing expenses. These higher production costs can negatively affect the affordability and accessibility of these products, especially within markets that are highly responsive to price changes.

## **Market Driver**

The escalating incidence of infectious and chronic illnesses plays a major role in shaping the worldwide syringes industry, given that these health issues frequently

require regular injectable therapies, diagnostic procedures, and continuous care. Medical conditions like autoimmune diseases, diabetes, and multiple infectious ailments depend extensively on syringes to deliver medications and draw clinical samples. To illustrate, the 2025 International Diabetes Federation (IDF) Diabetes Atlas reported that roughly 589 million adults worldwide had diabetes in 2024, a large portion of whom need everyday insulin doses. Such relentless need for injectable medications establishes a core catalyst for the global use of syringes.

At the same time, the expansion of global vaccination and immunization campaigns serves as another vital element driving the syringe industry forward. Health initiatives designed to curb infectious diseases via broad vaccination drives depend on an uninterrupted flow of syringes to conduct large-scale inoculations. These efforts include standard childhood shots, annual influenza vaccines, and strategies addressing new pandemics. Data published by UNICEF and the World Health Organization (WHO) on July 15, 2025, indicated that around 109 million babies globally received all three required doses of the diphtheria, tetanus, and pertussis (DTP) vaccine in 2024, highlighting the massive extent of these health campaigns. Additionally, BD (Becton, Dickinson and Company), a prominent medical technology firm, announced roughly \$5.2 billion in revenue for its initial fiscal quarter of 2025, which concluded on December 31, 2024, emphasizing the significant financial momentum in this field.

## **Market Challenge**

Ongoing shortages of raw materials combined with geopolitical issues pose a major obstacle for the international syringes industry, causing severe supply chain bottlenecks and driving up manufacturing expenses. These strains originate from diverse international incidents and shifting trade policies that immediately affect the cost and accessibility of crucial materials needed to produce syringes. As noted in the July 2025 Spend Management Outlook by healthcare performance improvement firm Vizient, the cost of surgical supplies, which includes syringes, was forecast to increase by 3.28% in 2026, predominantly fueled by surging raw material rates, higher manufacturing wages, and volatile shipping costs.

These heightened manufacturing costs directly obstruct industry expansion by reducing the affordability and accessibility of products, especially in healthcare networks with strict budgetary limits. As emphasized in AdvaMed's fourth-quarter 2025 report, geopolitical friction creates unpredictability and the risk of tariffs that could additionally unsettle the medical technology supply chain, compounding the difficulty of sourcing vital materials. Producers dealing with increased production costs might be forced to

elevate retail prices, which could restrict access to necessary medical injection tools in lower-income areas or add to the financial strain on medical institutions. Furthermore, these logistical interruptions risk causing shipment delays and localized product deficits, directly hindering the steady global supply of syringes.

## **Market Trends**

The international syringes industry is notably influenced by an escalating inclination toward prefilled syringes, which simplify the process of administering medication and improve overall patient security. This movement is fueled by a rising demand for precise and hassle-free drug delivery methods, especially concerning intricate biologic treatments and self-administered therapies utilized in home-based care environments. Prefilled variants lower the chances of mixing mistakes, cut down on contamination hazards, and provide enhanced convenience for medical staff and patients alike. Illustrating this shift, BD (Becton, Dickinson and Company) declared a \$110 million financial commitment on January 13, 2026, to scale up its American manufacturing of prefillable syringes, aiming directly at expediting GLP-1 and biologic medication delivery while backing the domestic reshoring of pharmaceuticals. This calculated expenditure underscores the sector's dedication to fulfilling the surging requirement for such sophisticated administration tools.

At the same time, the growing implementation of safety-engineered syringes marks an additional vital development, primarily focused on safeguarding medical personnel against accidental needlesticks and halting the spread of bloodborne diseases. Stricter regulatory rules and an amplified focus on workplace protection are continuously propelling the need for syringes integrated with protective additions like needle shields or retractable mechanisms. Such protective features are essential across vaccination centers, medical clinics, and hospitals to lessen the dangers tied to unintended sharps incidents. The commitment to improved workplace security is reinforced by documents such as the 2023 EXPO-S.T.O.P. report, which revealed a sharps injury rate of 2.0 per 100 full-time equivalent employees, utilizing statistics from 369 medical centers spanning 34 states. These figures highlight the persistent necessity for medical organizations to utilize safer injection equipment to maintain a secure clinical setting.

## **Key Market Players**

Becton Dickinson and Company

Terumo Corporation

Medtronic plc

B. Braun Medical Inc.

Nipro Corporation

Hindustan Syringes & Medical Devices Ltd.

Gerresheimer AG

SCHOTT AG

CODAN Medizinische Geräte GmbH

Baxter Healthcare Corporation

## Report Scope

In this report, the Global Syringes Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### Syringes Market , By Material

Plastic

Glass

### Syringes Market , By End Use

Hospitals & Clinics

Blood Collection Centers

Ambulatory Care Centers

Others

## Syringes Market , By Region

### North America

United States

Canada

Mexico

### Europe

France

United Kingdom

Italy

Germany

Spain

### Asia Pacific

China

India

Japan

Australia

South Korea

### South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

### **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Syringes Market .

### **Available Customizations:**

Global Syringes Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### **Company Information**

Detailed analysis and profiling of additional market players (up to five).

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