

Disposable Syringe Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/D2A2C8085F97EN.html>

Date: June 2025

Pages: 135

Price: US\$ 4,850.00 (Single User License)

ID: D2A2C8085F97EN

Abstracts

The Global Disposable Syringe Market was valued at USD 16.3 billion in 2024 and is estimated to grow at a CAGR of 6.4% to reach USD 30 billion by 2034. This growth is largely driven by the increasing burden of chronic illnesses, including diabetes, cardiovascular conditions, and autoimmune diseases, all of which require frequent injectable therapies. Additionally, a rise in health complications associated with modern lifestyles - such as obesity and hypertension - is fueling demand for safe, hygienic, and precise drug delivery tools. Disposable syringes play a vital role in minimizing cross-contamination risks and ensuring accurate dosing, especially in patients requiring long-term treatments.

The global push for expanded immunization coverage, along with frequent outbreaks of infectious diseases, has further intensified the use of disposable syringes across healthcare infrastructures. The emergence of safety-enhanced features like retractable needles and anti-needlestick designs continues to reshape the procurement patterns in clinics, hospitals, and emergency services. Rapid improvements in materials and syringe mechanisms are aligning closely with stringent healthcare regulations, influencing purchasing decisions. These collective factors are creating a robust landscape for single-use syringe adoption across both developed and developing economies.

In 2024, the conventional syringes segment generated USD 8.7 billion. Their straightforward construction, widespread availability, and cost-efficiency make them the most widely used across medical and home care settings. These single-use syringes are favored for administering vaccines, drawing blood, and delivering intravenous medications. Governments and private medical facilities across various regions prefer

conventional syringes due to their affordability and ease of bulk procurement. They are a critical component in ongoing healthcare campaigns, large-scale vaccination initiatives, and public health outreach programs. Their continued relevance can be attributed to their universal compatibility, simplicity in use, and reliability in both emergency and routine care.

The vaccination application segment is expected to grow at a CAGR of 6.8% through 2034. Expanding global immunization efforts are driving increased demand for single-use syringes, as each administered vaccine dose typically requires a sterile, individual syringe. The rollout of newer vaccines, including updated booster shots and pediatric combination formulas, has led to a higher frequency of vaccination drives. This growing trend in preventive healthcare significantly contributes to the rising use of disposable syringes. Public health initiatives across both developed and emerging economies are amplifying syringe utilization through expanded outreach, thereby pushing continuous supply chain activity and heightened manufacturing output.

United States Disposable Syringe Market was valued at USD 6.5 billion in 2024. The country's advanced healthcare system, combined with rising awareness around healthcare-associated injuries, has positioned disposable syringes as a preferred option in clinical practice. A major driver of demand stems from the increasing focus on healthcare worker safety, especially to avoid accidental needle-related injuries in environments ranging from emergency medical services to aesthetic procedures. The high incidence of these events underlines the importance of single-use syringes, especially those designed with safety mechanisms, as a means of minimizing occupational hazards and adhering to regulatory protocols.

Leading players in the Disposable Syringe Market include Braun Medical, Becton, Dickinson and Company, Baxter International, Terumo Corporation, Medtronic, Nipro Corporation, Agilent Technologies, Chris Merchant, Henke-Sass, Wolf, Ultimed, Vita Needle Company, Hindustan Syringes & Medical Devices, Kohope Medical, Fresenius Kabi, and B Braun Melsungen. To reinforce their presence in the competitive disposable syringe landscape, key manufacturers are focusing on product diversification and portfolio expansion that addresses growing global healthcare demands. Companies are advancing syringe safety by incorporating technologies such as retractable needles and auto-disable mechanisms to comply with strict medical regulations and reduce needlestick risks. Strategic collaborations with health ministries, international health organizations, and procurement agencies are enhancing global distribution capabilities. Many firms are increasing investments in automated production lines to boost efficiency, maintain sterility, and meet volume surges during public health emergencies.

Companies Mentioned

Agilent Technologies , B. Braun , Baxter International , Becton, Dickinson and Company , Braun Medical , Chris Merchant , Fresenius Kabi , Henke-Sass, Wolf , Hindustan Syringes & Medical Devices , Kohope Medical , Medtronic , Nipro Corporation , Terumo Corporation , Ultimed , Vita Needle Company

Contents

Report Content

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definition
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Data mining sources
 - 1.3.1 Global
 - 1.3.2 Regional/Country
- 1.4 Base estimates and calculations
 - 1.4.1 Base year calculation
 - 1.4.2 Key trends for market estimation
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
- 1.6 Forecast model
- 1.7 Research assumptions and limitations

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis
- 2.2 Key market trends
 - 2.2.1 Regional
 - 2.2.2 Product type
 - 2.2.3 Filament
 - 2.2.4 Application
 - 2.2.5 End use
- 2.3 CXO perspectives: Strategic imperatives
 - 2.3.1 Key decision points for industry executives
 - 2.3.2 Critical success factors for market players
- 2.4 Future outlook and strategic recommendations

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
 - 3.1.1 Supplier landscape

- 3.1.2 Value addition at each stage
- 3.1.3 Factor affecting the value chain
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.1.1 Increasing prevalence of chronic diseases
 - 3.2.1.2 Growing number of infectious disease outbreak
 - 3.2.1.3 Technological advancements in syringe design and material
 - 3.2.1.4 Rising surgical procedures and outpatient care volume
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.2.1 High cost of safety syringes
 - 3.2.2.2 Environmental concerns due to plastic medical waste
 - 3.2.3 Market opportunities
 - 3.2.3.1 Shift towards biodegradable and eco-friendly syringe materials
 - 3.2.3.2 Rising demand for prefilled syringes
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
 - 3.4.1 North America
 - 3.4.2 Europe
 - 3.4.3 Asia Pacific
 - 3.4.4 Latin America
 - 3.4.5 Middle East and Africa
- 3.5 Porter's analysis
- 3.6 PESTLE analysis
- 3.7 Technology and innovation landscape
 - 3.7.1 Current technological trends
 - 3.7.2 Emerging technologies
- 3.8 Future market trends

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
 - 4.2.1 By region
 - 4.2.1.1 North America
 - 4.2.1.2 Europe
 - 4.2.1.3 Asia Pacific
- 4.3 Company matrix analysis
- 4.4 Competitive analysis of major market players
- 4.5 Competitive positioning matrix

- 4.6 Strategy dashboard
- 4.7 Key developments
 - 4.7.1 Mergers and acquisitions
 - 4.7.2 Partnerships and collaborations
 - 4.7.3 New product launches
 - 4.7.4 Expansion plans

CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY PRODUCT, 2021 - 2034 (\$ MN)

- 5.1 Key trends
- 5.2 Conventional syringes
- 5.3 Safety syringes
 - 5.3.1 Retractable safety syringes
 - 5.3.2 Non-retractable safety syringes

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY APPLICATION, 2021 - 2034 (\$ MN)

- 6.1 Key trends
- 6.2 Vaccination
- 6.3 Blood collection
- 6.4 Drug delivery
- 6.5 Other applications

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 - 2034 (\$ MN)

- 7.1 Key trends
- 7.2 Hospitals and clinics
- 7.3 Diagnostic laboratories
- 7.4 Ambulatory surgical centers (ASCs)
- 7.5 Other end use

CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 - 2034 (\$ MN)

- 8.1 Key trends
- 8.2 North America

- 8.2.1 U.S.
- 8.2.2 Canada
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.2 UK
 - 8.3.3 France
 - 8.3.4 Spain
 - 8.3.5 Italy
 - 8.3.6 Netherlands
- 8.4 Asia Pacific
 - 8.4.1 China
 - 8.4.2 Japan
 - 8.4.3 India
 - 8.4.4 Australia
 - 8.4.5 South Korea
- 8.5 Latin America
 - 8.5.1 Brazil
 - 8.5.2 Mexico
 - 8.5.3 Argentina
- 8.6 Middle East and Africa
 - 8.6.1 South Africa
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE

CHAPTER 9 COMPANY PROFILE

- 9.1 Agilent Technologies
- 9.2 B Braun Melsungen
- 9.3 Baxter International
- 9.4 Becton, Dickinson and Company
- 9.5 Braun Medical
- 9.6 Chris Merchant
- 9.7 Fresenius Kabi
- 9.8 Henke-Sass, Wolf
- 9.9 Hindustan Syringes & Medical Devices
- 9.10 Kohope Medical
- 9.11 Medtronic
- 9.12 Nipro Corporation
- 9.13 Terumo Corporation

9.14 Ultimed

9.15 Vita Needle Company

I would like to order

Product name: Disposable Syringe Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/D2A2C8085F97EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/D2A2C8085F97EN.html>