

# **Single Use Consumables Market Outlook 2025-2034: Market Share, and Growth Analysis By Products (Connectors, Valves, Adaptors, Tubing, Disconnectors, Sensors, Disposable Capsule Filter), By Application (Sampling, Cell Culture And Mixing, Storage, Filtration, Other Applications), By End-User**

<https://marketpublishers.com/r/S02CE10361A2EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: S02CE10361A2EN

## **Abstracts**

The Single Use Consumables Market is valued at USD 5.2 billion in 2025 and is projected to grow at a CAGR of 19% to reach USD 24.8 billion by 2034. The single use consumables market has become an essential part of the biopharmaceutical, clinical diagnostics, and healthcare manufacturing ecosystem, offering scalable, cost-efficient, and contamination-free solutions. These consumables include filters, tubing, connectors, bags, bioreactors, pipettes, and sampling devices, designed for one-time use to streamline workflows, enhance sterility, and eliminate the need for complex cleaning validations. The market's rapid expansion is fueled by the growing demand for flexible manufacturing solutions, especially in biologics, cell and gene therapies, and vaccine production. Single use systems reduce turnaround time and capital expenditure while supporting modular and mobile production facilities. Additionally, they minimize cross-contamination risks in high-purity environments, making them indispensable in both research and commercial bioprocessing. As pharmaceutical companies prioritize speed-to-market and operational flexibility, single use consumables are increasingly integrated into upstream and downstream processes. The single use consumables market witnessed steady growth, driven by heightened biologics manufacturing, expansion of biosimilar pipelines, and continued COVID-19 and mRNA vaccine production. Contract manufacturing organizations (CMOs) significantly ramped up their use of single use systems to meet demand for faster, cleaner production lines. Vendors introduced next-generation single use bags and filters with improved material integrity,

scalability, and extractables/leachables profiles. In clinical labs and diagnostic settings, single use consumables like pipette tips, sample tubes, and assay plates saw strong demand as testing volumes remained high. Increased investment in modular biomanufacturing facilities across North America, Europe, and Asia-Pacific reinforced the need for pre-validated, disposable production tools. Sustainability concerns also began to shape product innovation, with manufacturers developing recyclable or lower-impact single use materials and take-back programs to reduce landfill waste from biomedical operations. The single use consumables market is poised for continued growth, bolstered by the rise of decentralized manufacturing, personalized medicine, and global biologics capacity expansion. As biopharma shifts toward smaller batch, high-value products, the demand for flexible, sterile, and quick-to-deploy solutions will surge. Innovations in material science will lead to more sustainable, high-performance polymers with lower environmental impact and improved compatibility across process steps. AI and automation will be increasingly integrated into single use systems for real-time monitoring and quality assurance. Emerging markets, particularly in Latin America, Africa, and Southeast Asia, are expected to increase their reliance on single use consumables to build out agile, low-cost bioproduction capabilities. However, ensuring consistent global supply, regulatory compliance, and sustainable waste management will be key to maintaining growth and avoiding system bottlenecks in supply chains or environmental regulation.

### Key Insights Single Use Consumables Market

Rising adoption of single use systems in biologics and cell therapy manufacturing to enable faster, modular production processes.

Development of high-performance materials with enhanced chemical compatibility and lower extractables for critical applications.

Increased focus on sustainability, including biodegradable consumables and recycling programs to address growing environmental concerns.

Growing use of automation-compatible single use consumables for real-time monitoring and quality assurance in bioprocessing.

Expansion of single use technologies into emerging markets for cost-effective and scalable pharmaceutical manufacturing solutions.

Rapid growth of biologics, vaccines, and personalized therapies requiring sterile,

flexible, and disposable manufacturing solutions.

Cost and time efficiency compared to traditional stainless steel systems, particularly for multi-product and small-batch production.

Global investment in decentralized and mobile bioproduction facilities increasing reliance on pre-validated, plug-and-play consumables.

Regulatory emphasis on contamination control and sterility assurance in pharmaceutical and diagnostics manufacturing environments.

The environmental impact of plastic waste generated from widespread single use system adoption presents a growing challenge, pressuring manufacturers and end-users to develop and adopt recyclable, reusable, or lower-impact alternatives without compromising sterility and regulatory compliance.

## Single Use Consumables Market Segmentation

### By Products

Connectors

Valves

Adaptors

Tubing

Disconnectors

Sensors

Disposable Capsule Filter

### By Application

Sampling

Cell Culture And Mixing

Storage

Filtration

Other Applications

### By End-User

Biopharmaceutical And Pharmaceutical Companies

Original Equipment Manufacturers (OEMs)

Contract Research Organizations And Contract Manufacturing Organizations

Academic And Research Institutes

### Key Companies Analysed

Thermo Fisher Scientific Inc.

Sartorius AG

Danaher Corporation

Merck KGaA Darmstadt Germany

Avantor LLC

Meissner Filtration Products Inc.

Boehringer Ingelheim International GmbH

Lonza Group AG

Infors AG Bottmingen Switzerland

PBS Biotech Inc.

Entegris Inc.

Kuhner AG Basel Switzerland

Rentschler Biopharma SE Freiburg Germany

Compagnie de Saint-Gobain S.A.

NewAge Industries Inc.

Colder Products Company

Repligen Corporation

Corning Incorporated

Hamilton Company

Broadley James Corporation

Pall Corporation

Eppendorf AG

GE Healthcare

Asahi Kasei Corporation

3M Company

CESCO Bioengineering Co. Ltd.

Distek Inc.

OmniBRx Technologies LLC

Associates of Cape Cod Inc.

Hypertherm Inc.

### Single Use Consumables Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

### Single Use Consumables Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

### Countries Covered

North America — Single Use Consumables market data and outlook to 2034

United States

Canada

Mexico

Europe — Single Use Consumables market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Single Use Consumables market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Single Use Consumables market data and outlook to

2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Single Use Consumables market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Single Use Consumables value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Single Use Consumables industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

## Your Key Takeaways from the Single Use Consumables Market Report

Global Single Use Consumables market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Single Use Consumables trade, costs, and supply chains

Single Use Consumables market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Single Use Consumables market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Single Use Consumables market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Single Use Consumables supply chain analysis

Single Use Consumables trade analysis, Single Use Consumables market price analysis, and Single Use Consumables supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Single Use Consumables market news and developments

### Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

## Contents

### **1. TABLE OF CONTENTS**

- 1.1 List of Tables
- 1.2 List of Figures

### **2. GLOBAL SINGLE USE CONSUMABLES MARKET SUMMARY, 2025**

- 2.1 Single Use Consumables Industry Overview
  - 2.1.1 Global Single Use Consumables Market Revenues (In US\$ billion)
- 2.2 Single Use Consumables Market Scope
- 2.3 Research Methodology

### **3. SINGLE USE CONSUMABLES MARKET INSIGHTS, 2024-2034**

- 3.1 Single Use Consumables Market Drivers
- 3.2 Single Use Consumables Market Restraints
- 3.3 Single Use Consumables Market Opportunities
- 3.4 Single Use Consumables Market Challenges
- 3.5 Tariff Impact on Global Single Use Consumables Supply Chain Patterns

### **4. SINGLE USE CONSUMABLES MARKET ANALYTICS**

- 4.1 Single Use Consumables Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Single Use Consumables Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Single Use Consumables Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Single Use Consumables Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Single Use Consumables Market
  - 4.5.1 Single Use Consumables Industry Attractiveness Index, 2025
  - 4.5.2 Single Use Consumables Supplier Intelligence
  - 4.5.3 Single Use Consumables Buyer Intelligence
  - 4.5.4 Single Use Consumables Competition Intelligence
  - 4.5.5 Single Use Consumables Product Alternatives and Substitutes Intelligence
  - 4.5.6 Single Use Consumables Market Entry Intelligence

### **5. GLOBAL SINGLE USE CONSUMABLES MARKET STATISTICS – INDUSTRY**

## **REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

5.1 World Single Use Consumables Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)

5.1 Global Single Use Consumables Sales Outlook and CAGR Growth By Products, 2024- 2034 (\$ billion)

5.2 Global Single Use Consumables Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.3 Global Single Use Consumables Sales Outlook and CAGR Growth By End-User, 2024- 2034 (\$ billion)

5.4 Global Single Use Consumables Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

## **6. ASIA PACIFIC SINGLE USE CONSUMABLES INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

6.1 Asia Pacific Single Use Consumables Market Insights, 2025

6.2 Asia Pacific Single Use Consumables Market Revenue Forecast By Products, 2024-2034 (USD billion)

6.3 Asia Pacific Single Use Consumables Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.4 Asia Pacific Single Use Consumables Market Revenue Forecast By End-User, 2024- 2034 (USD billion)

6.5 Asia Pacific Single Use Consumables Market Revenue Forecast by Country, 2024-2034 (USD billion)

6.5.1 China Single Use Consumables Market Size, Opportunities, Growth 2024- 2034

6.5.2 India Single Use Consumables Market Size, Opportunities, Growth 2024- 2034

6.5.3 Japan Single Use Consumables Market Size, Opportunities, Growth 2024- 2034

6.5.4 Australia Single Use Consumables Market Size, Opportunities, Growth 2024-2034

## **7. EUROPE SINGLE USE CONSUMABLES MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

7.1 Europe Single Use Consumables Market Key Findings, 2025

7.2 Europe Single Use Consumables Market Size and Percentage Breakdown By Products, 2024- 2034 (USD billion)

7.3 Europe Single Use Consumables Market Size and Percentage Breakdown By

Application, 2024- 2034 (USD billion)

7.4 Europe Single Use Consumables Market Size and Percentage Breakdown By End-User, 2024- 2034 (USD billion)

7.5 Europe Single Use Consumables Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.5.1 Germany Single Use Consumables Market Size, Trends, Growth Outlook to 2034

7.5.2 United Kingdom Single Use Consumables Market Size, Trends, Growth Outlook to 2034

7.5.2 France Single Use Consumables Market Size, Trends, Growth Outlook to 2034

7.5.2 Italy Single Use Consumables Market Size, Trends, Growth Outlook to 2034

7.5.2 Spain Single Use Consumables Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA SINGLE USE CONSUMABLES MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

8.1 North America Snapshot, 2025

8.2 North America Single Use Consumables Market Analysis and Outlook By Products, 2024- 2034 (\$ billion)

8.3 North America Single Use Consumables Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.4 North America Single Use Consumables Market Analysis and Outlook By End-User, 2024- 2034 (\$ billion)

8.5 North America Single Use Consumables Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States Single Use Consumables Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada Single Use Consumables Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico Single Use Consumables Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA SINGLE USE CONSUMABLES MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Single Use Consumables Market Data, 2025

9.2 Latin America Single Use Consumables Market Future By Products, 2024- 2034 (\$ billion)

9.3 Latin America Single Use Consumables Market Future By Application, 2024- 2034

(\$ billion)

9.4 Latin America Single Use Consumables Market Future By End-User, 2024- 2034 (\$ billion)

9.5 Latin America Single Use Consumables Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Single Use Consumables Market Size, Share and Opportunities to 2034

9.5.2 Argentina Single Use Consumables Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA SINGLE USE CONSUMABLES MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Single Use Consumables Market Statistics By Products, 2024-2034 (USD billion)

10.3 Middle East Africa Single Use Consumables Market Statistics By Application, 2024- 2034 (USD billion)

10.4 Middle East Africa Single Use Consumables Market Statistics By End-User, 2024-2034 (USD billion)

10.5 Middle East Africa Single Use Consumables Market Statistics by Country, 2024-2034 (USD billion)

10.5.1 Middle East Single Use Consumables Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Single Use Consumables Market Value, Trends, Growth Forecasts to 2034

## **11. SINGLE USE CONSUMABLES MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Single Use Consumables Industry

11.2 Single Use Consumables Business Overview

11.3 Single Use Consumables Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

## **12 APPENDIX**

12.1 Global Single Use Consumables Market Volume (Tons)

12.1 Global Single Use Consumables Trade and Price Analysis

12.2 Single Use Consumables Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Single Use Consumables Industry Report Sources and Methodology

## I would like to order

Product name: Single Use Consumables Market Outlook 2025-2034: Market Share, and Growth Analysis By Products (Connectors, Valves, Adaptors, Tubing, Disconnectors, Sensors, Disposable Capsule Filter), By Application (Sampling, Cell Culture And Mixing, Storage, Filtration, Other Applications), By End-User

Product link: <https://marketpublishers.com/r/S02CE10361A2EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S02CE10361A2EN.html>