

Infusion Pump Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Accessories And Consumables, Devices), By Type (Volumetric Infusion Pumps, Insulin Pumps, Enteral Infusion Pumps, Syringe Infusion Pumps, Ambulatory Infusion Pumps, PCA Pumps, Implantable Infusion Pumps), By Technology, By Application, By End User

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Abstracts

The Infusion Pump Market is valued at USD 14.8 billion in 2025 and is projected to grow at a CAGR of 7.7% to reach USD 28.9 billion by 2034. The infusion pump market consists of medical devices used to deliver fluids, including nutrients and medications, into a patient's body in controlled amounts. These pumps are essential in hospitals, clinics, and homecare settings for administering chemotherapy, antibiotics, pain relievers, insulin, and other vital drugs. The market includes several types of infusion systems—volumetric, syringe, patient-controlled analgesia (PCA), and ambulatory pumps—each suited to specific clinical needs. Demand is driven by the growing burden of chronic illnesses, rising surgical procedures, and the expansion of outpatient care. With an aging global population and the shift toward precision medicine, infusion pumps play a key role in modern healthcare delivery. The infusion pump market experienced steady growth as healthcare providers prioritized upgrading medical infrastructure and expanding home-based treatment options. Manufacturers introduced pumps with smart technologies, including real-time monitoring, dose error reduction systems, and wireless connectivity to electronic health records. Hospitals increasingly adopted multi-channel infusion systems to improve ICU efficiency. Regulatory bodies also tightened safety requirements, prompting innovation in alarm management and drug library compliance. Additionally, the demand for wearable infusion pumps rose among diabetic and cancer patients seeking mobility and reduced hospital visits, reinforcing the trend toward patient-

centered care delivery models. The infusion pump market is expected to advance further through the integration of artificial intelligence, predictive analytics, and remote programming capabilities. Cloud-connected pumps will support population health management by enabling centralized oversight of medication administration. Miniaturization and biocompatible materials will enhance device comfort and adoption in pediatric and geriatric care. As global healthcare systems increasingly prioritize cost-efficiency, the adoption of reusable and programmable pumps will grow. Emerging economies will expand their infusion therapy capabilities, driven by growing healthcare access, international aid, and rising non-communicable disease prevalence, further contributing to global market expansion.

Key Insights Infusion Pump Market

Smart infusion pumps with dose error reduction systems (DERS) are becoming the standard in hospitals to enhance medication safety.

Wireless connectivity is being integrated to link pumps with electronic medical records for seamless data sharing and remote alerts.

Wearable and ambulatory infusion devices are gaining traction for chronic conditions, enabling at-home treatment and mobility.

Infusion pumps are being miniaturized with ergonomic designs to cater to pediatric and long-term care patients.

Cloud-based platforms for infusion pump fleet management are emerging, allowing centralized updates and compliance monitoring.

Increasing prevalence of chronic diseases like diabetes, cancer, and cardiovascular conditions is driving infusion therapy demand.

Healthcare shift toward outpatient and homecare models supports the need for portable and patient-friendly infusion pumps.

Rising number of surgical procedures globally is fueling hospital adoption of advanced infusion systems for post-operative care.

Technological advancements are improving safety, connectivity, and accuracy of infusion pump devices, boosting clinical confidence.

Cybersecurity concerns over connected medical devices pose risks to patient safety and data integrity in smart infusion systems.

High costs of advanced pumps and frequent maintenance requirements can limit access in underfunded or rural healthcare settings.

Infusion Pump Market Segmentation

By Product

Accessories And Consumables

Devices

By Type

Volumetric Infusion Pumps

Insulin Pumps

Enteral Infusion Pumps

Syringe Infusion Pumps

Ambulatory Infusion Pumps

PCA Pumps

Implantable Infusion Pumps

By Technology

Traditional Infusion Pumps

Specialty Infusion Pumps

By Application

Chemotherapy Or Oncology

Diabetes Management

Gastroenterology

Pain Management Or Analgesia

Pediatrics Or Neonatology

Hematology

Other Applications

By End User

Hospitals

Ambulatory Care Settings

Specialty Clinics

Home Care Settings

Key Companies Analysed

Becton

Dickinson and Company

Baxter International Inc.

B. Braun Melsungen AG

ICU Medical Inc.

Fresenius Kabi AG

Smiths Medical Inc.

Medtronic plc

Moog Inc.

Terumo Corporation

Insulet Corporation

Boston Scientific Corporation

Tandem Diabetes Care Inc.

InfuTronix Solutions LLC

Micrel Medical Devices SA

Shenzhen Mindray Bio-Medical Electronics Co. Ltd.

Pfizer Inc.

Johnson & Johnson Services Inc.

Roche Diagnostics Corporation

Siemens Healthineers AG

Mindray Medical International Limited

Ambu A/S

AngioDynamics Inc.

Caesarea Medical Electronics Ltd.

Owens & Minor Inc.

Hospitech Respiration Ltd.

IRadimed Corporation

Ivenix Inc.

Sooil Development Co. Ltd.

ZOLL Medical Corporation

Zyno Medical LLC .

Infusion Pump 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.

Infusion Pump 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 — Infusion Pump market data and outlook to 2034

United States

Canada

Mexico

Europe — Infusion Pump market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Infusion Pump market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Infusion Pump market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Infusion Pump 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 Infusion Pump value chain with secondary data from associations, government publications, trade

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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 Infusion Pump 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 Infusion Pump Market Report

Global Infusion Pump market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Infusion Pump trade, costs, and supply chains

Infusion Pump market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Infusion Pump market size, CAGR, and market share of key products,

applications, and end-user verticals, 2023-2034

Short- and long-term Infusion Pump market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Infusion Pump supply chain analysis

Infusion Pump trade analysis, Infusion Pump market price analysis, and Infusion Pump supply/demand dynamics

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

Latest Infusion Pump 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 INFUSION PUMP MARKET SUMMARY, 2025

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

3. INFUSION PUMP MARKET INSIGHTS, 2024-2034

- 3.1 Infusion Pump Market Drivers
- 3.2 Infusion Pump Market Restraints
- 3.3 Infusion Pump Market Opportunities
- 3.4 Infusion Pump Market Challenges
- 3.5 Tariff Impact on Global Infusion Pump Supply Chain Patterns

4. INFUSION PUMP MARKET ANALYTICS

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

5. GLOBAL INFUSION PUMP MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Infusion Pump Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Infusion Pump Sales Outlook and CAGR Growth By Product, 2024- 2034 (\$ billion)

5.2 Global Infusion Pump Sales Outlook and CAGR Growth By Type, 2024- 2034 (\$ billion)

5.3 Global Infusion Pump Sales Outlook and CAGR Growth By Technology, 2024- 2034 (\$ billion)

5.4 Global Infusion Pump Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.5 Global Infusion Pump Sales Outlook and CAGR Growth By End User, 2024- 2034 (\$ billion)

5.6 Global Infusion Pump Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC INFUSION PUMP INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Infusion Pump Market Insights, 2025

6.2 Asia Pacific Infusion Pump Market Revenue Forecast By Product, 2024- 2034 (USD billion)

6.3 Asia Pacific Infusion Pump Market Revenue Forecast By Type, 2024- 2034 (USD billion)

6.4 Asia Pacific Infusion Pump Market Revenue Forecast By Technology, 2024- 2034 (USD billion)

6.5 Asia Pacific Infusion Pump Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.6 Asia Pacific Infusion Pump Market Revenue Forecast By End User, 2024- 2034 (USD billion)

6.7 Asia Pacific Infusion Pump Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.7.1 China Infusion Pump Market Size, Opportunities, Growth 2024- 2034

6.7.2 India Infusion Pump Market Size, Opportunities, Growth 2024- 2034

6.7.3 Japan Infusion Pump Market Size, Opportunities, Growth 2024- 2034

6.7.4 Australia Infusion Pump Market Size, Opportunities, Growth 2024- 2034

7. EUROPE INFUSION PUMP MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

- 7.1 Europe Infusion Pump Market Key Findings, 2025
- 7.2 Europe Infusion Pump Market Size and Percentage Breakdown By Product, 2024-2034 (USD billion)
- 7.3 Europe Infusion Pump Market Size and Percentage Breakdown By Type, 2024-2034 (USD billion)
- 7.4 Europe Infusion Pump Market Size and Percentage Breakdown By Technology, 2024- 2034 (USD billion)
- 7.5 Europe Infusion Pump Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)
- 7.6 Europe Infusion Pump Market Size and Percentage Breakdown By End User, 2024-2034 (USD billion)
- 7.7 Europe Infusion Pump Market Size and Percentage Breakdown by Country, 2024-2034 (USD billion)
 - 7.7.1 Germany Infusion Pump Market Size, Trends, Growth Outlook to 2034
 - 7.7.2 United Kingdom Infusion Pump Market Size, Trends, Growth Outlook to 2034
 - 7.7.2 France Infusion Pump Market Size, Trends, Growth Outlook to 2034
 - 7.7.2 Italy Infusion Pump Market Size, Trends, Growth Outlook to 2034
 - 7.7.2 Spain Infusion Pump Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA INFUSION PUMP MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

- 8.1 North America Snapshot, 2025
- 8.2 North America Infusion Pump Market Analysis and Outlook By Product, 2024- 2034 (\$ billion)
- 8.3 North America Infusion Pump Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)
- 8.4 North America Infusion Pump Market Analysis and Outlook By Technology, 2024-2034 (\$ billion)
- 8.5 North America Infusion Pump Market Analysis and Outlook By Application, 2024-2034 (\$ billion)
- 8.6 North America Infusion Pump Market Analysis and Outlook By End User, 2024-2034 (\$ billion)
- 8.7 North America Infusion Pump Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)
 - 8.7.1 United States Infusion Pump Market Size, Share, Growth Trends and Forecast, 2024- 2034
 - 8.7.1 Canada Infusion Pump Market Size, Share, Growth Trends and Forecast, 2024-2034

8.7.1 Mexico Infusion Pump Market Size, Share, Growth Trends and Forecast, 2024-2034

9. SOUTH AND CENTRAL AMERICA INFUSION PUMP MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Infusion Pump Market Data, 2025

9.2 Latin America Infusion Pump Market Future By Product, 2024- 2034 (\$ billion)

9.3 Latin America Infusion Pump Market Future By Type, 2024- 2034 (\$ billion)

9.4 Latin America Infusion Pump Market Future By Technology, 2024- 2034 (\$ billion)

9.5 Latin America Infusion Pump Market Future By Application, 2024- 2034 (\$ billion)

9.6 Latin America Infusion Pump Market Future By End User, 2024- 2034 (\$ billion)

9.7 Latin America Infusion Pump Market Future by Country, 2024- 2034 (\$ billion)

9.7.1 Brazil Infusion Pump Market Size, Share and Opportunities to 2034

9.7.2 Argentina Infusion Pump Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA INFUSION PUMP MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Infusion Pump Market Statistics By Product, 2024- 2034 (USD billion)

10.3 Middle East Africa Infusion Pump Market Statistics By Type, 2024- 2034 (USD billion)

10.4 Middle East Africa Infusion Pump Market Statistics By Technology, 2024- 2034 (USD billion)

10.5 Middle East Africa Infusion Pump Market Statistics By Application, 2024- 2034 (USD billion)

10.6 Middle East Africa Infusion Pump Market Statistics By End User, 2024- 2034 (USD billion)

10.7 Middle East Africa Infusion Pump Market Statistics by Country, 2024- 2034 (USD billion)

10.7.1 Middle East Infusion Pump Market Value, Trends, Growth Forecasts to 2034

10.7.2 Africa Infusion Pump Market Value, Trends, Growth Forecasts to 2034

11. INFUSION PUMP MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Infusion Pump Industry

11.2 Infusion Pump Business Overview

11.3 Infusion Pump Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global Infusion Pump Market Volume (Tons)

12.1 Global Infusion Pump Trade and Price Analysis

12.2 Infusion Pump Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Infusion Pump Industry Report Sources and Methodology

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