

Smart Syringe Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global smart syringe market size reached US\$ 8.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 13.4 Billion by 2028, exhibiting a growth rate (CAGR) of 7.6% during 2023-2028.

A smart syringe is a medical device engineered with safety mechanisms to prevent reuse and regulate unsafe injection practices. It is incorporated with a read and write chip with preset parameters, ranges, and usage tracking. It is commonly available in variants of auto-disable (AD), passive safety, and active safety syringes. It aids in treating patients with critical disorders and conditions, such as human immunodeficiency virus (HIV), hepatitis A, hepatitis B, and diabetes. It is used for vaccination, drug delivery, and blood specimen collection. As a result, it is utilized in hospitals, clinics, diagnostics, and vaccination centers across the globe.

Smart Syringe Market Trends:

The increasing prevalence of chronic diseases and viral infections among the masses represents one of the major factors positively influencing the demand for smart syringes around the world. It can also be attributed to the growing aging population, which is more prone to severe medical diseases. Moreover, the expanding number of blood-borne infections among the masses is favoring the market growth. In addition, the rising demand for self-injecting medicines is contributing to the market growth. Apart from this, increasing concerns about needle stick injuries and the rising awareness about safe injection practices are offering lucrative growth opportunities to leading players operating in the industry. Furthermore, the expanding number of births and the growing

prevalence of various pediatric diseases among adolescents are creating a positive outlook for the market. Additionally, product manufacturers are introducing small-sized, convenient, lightweight with touch screens and Wi-Fi-enabled solutions for easy monitoring. Besides this, rising investments in improving healthcare infrastructure and medical services and extensive research and development (R&D) activities are expected to propel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global smart syringe market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, age group, application and end user.

Breakup by Product:

Auto-disable Syringes

Active Safety Syringes

Passive Safety Syringes

Breakup by Age Group:

Pediatrics

Adults

Breakup by Application:

Drug Delivery

Vaccination

Blood Specimen Collection

Breakup by End User:

Hospitals and HMOs

Diabetic Patients

Family Practices (Physicians)

Psychiatrics

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AdvaCare Pharma, B. Braun Melsungen AG, Becton, Dickinson and Company, Gerresheimer AG, Merit Medical Systems Inc., Nipro Corporation, Numedico Technologies Pty Ltd., Retractable Technologies Inc. and Terumo Corporation.

Key Questions Answered in This Report

1. What was the size of the global smart syringe market in 2022?
2. What is the expected growth rate of the global smart syringe market during 2023-2028?
3. What are the key factors driving the global smart syringe market?
4. What has been the impact of COVID-19 on the global smart syringe market?

5. What is the breakup of the global smart syringe market based on the product?
6. What is the breakup of the global smart syringe market based on age group?
7. What is the breakup of the global smart syringe market based on the application?
8. What is the breakup of the global smart syringe market based on the end user?
9. What are the key regions in the global smart syringe market?
10. Who are the key players/companies in the global smart syringe market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL SMART SYRINGE MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Auto-disable Syringes
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Active Safety Syringes
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Passive Safety Syringes

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY AGE GROUP

7.1 Pediatrics

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Adults

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Drug Delivery

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Vaccination

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Blood Specimen Collection

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY END USER

9.1 Hospitals and HMOs

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Diabetic Patients

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Family Practices (Physicians)

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Psychiatrics

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Others

9.5.1 Market Trends

9.5.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

10.3.1.2 Market Forecast

10.3.2 France

- 10.3.2.1 Market Trends
- 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 AdvaCare Pharma
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.2 B. Braun Melsungen AG
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 SWOT Analysis
 - 15.3.3 Becton, Dickinson and Company
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.3.3 Financials
 - 15.3.3.4 SWOT Analysis
 - 15.3.4 Gerresheimer AG
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.4.3 Financials
 - 15.3.5 Merit Medical Systems Inc.
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials

- 15.3.5.4 SWOT Analysis
- 15.3.6 Nipro Corporation
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
 - 15.3.6.4 SWOT Analysis
- 15.3.7 Numedico Technologies Pty Ltd.
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
- 15.3.8 Retractable Technologies Inc.
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
- 15.3.9 Terumo Corporation
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
 - 15.3.9.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Smart Syringe Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Smart Syringe Market Forecast: Breakup by Product (in Million US\$), 2023-2028

Table 3: Global: Smart Syringe Market Forecast: Breakup by Age Group (in Million US\$), 2023-2028

Table 4: Global: Smart Syringe Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 5: Global: Smart Syringe Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 6: Global: Smart Syringe Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Smart Syringe Market: Competitive Structure

Table 8: Global: Smart Syringe Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Smart Syringe Market: Major Drivers and Challenges

Figure 2: Global: Smart Syringe Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Smart Syringe Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Smart Syringe Market: Breakup by Product (in %), 2022

Figure 5: Global: Smart Syringe Market: Breakup by Age Group (in %), 2022

Figure 6: Global: Smart Syringe Market: Breakup by Application (in %), 2022

Figure 7: Global: Smart Syringe Market: Breakup by End User (in %), 2022

Figure 8: Global: Smart Syringe Market: Breakup by Region (in %), 2022

Figure 9: Global: Smart Syringe (Auto-disable Syringes) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Smart Syringe (Auto-disable Syringes) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Smart Syringe (Active Safety Syringes) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Smart Syringe (Active Safety Syringes) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Smart Syringe (Passive Safety Syringes) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Smart Syringe (Passive Safety Syringes) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Smart Syringe (Pediatrics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Smart Syringe (Pediatrics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Smart Syringe (Adults) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Smart Syringe (Adults) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Smart Syringe (Drug Delivery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Smart Syringe (Drug Delivery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Smart Syringe (Vaccination) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Smart Syringe (Vaccination) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Smart Syringe (Blood Specimen Collection) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Smart Syringe (Blood Specimen Collection) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Smart Syringe (Hospitals and HMOs) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Smart Syringe (Hospitals and HMOs) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Smart Syringe (Diabetic Patients) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Smart Syringe (Diabetic Patients) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Smart Syringe (Family Practices (Physicians)) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Smart Syringe (Family Practices (Physicians)) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Smart Syringe (Psychiatrics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Smart Syringe (Psychiatrics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Smart Syringe (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Smart Syringe (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: North America: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: North America: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: United States: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: United States: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Canada: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Canada: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Asia-Pacific: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Asia-Pacific: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: China: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: China: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Japan: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Japan: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: India: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: India: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: South Korea: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: South Korea: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Australia: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Australia: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Indonesia: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Indonesia: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Others: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Others: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Europe: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Europe: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Germany: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Germany: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: France: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: France: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: United Kingdom: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: United Kingdom: Smart Syringe Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Italy: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Italy: Smart Syringe Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 67: Spain: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Spain: Smart Syringe Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 69: Russia: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Russia: Smart Syringe Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 71: Others: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Others: Smart Syringe Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 73: Latin America: Smart Syringe Market: Sales Value (in Million US\$), 2017 &
2022

Figure 74: Latin America: Smart Syringe Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 75: Brazil: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Brazil: Smart Syringe Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 77: Mexico: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Mexico: Smart Syringe Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 79: Others: Smart Syringe Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Others: Smart Syringe Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 81: Middle East and Africa: Smart Syringe Market: Sales Value (in Million US\$),
2017 & 2022

Figure 82: Middle East and Africa: Smart Syringe Market: Breakup by Country (in %),
2022

Figure 83: Middle East and Africa: Smart Syringe Market Forecast: Sales Value (in
Million US\$), 2023-2028

Figure 84: Global: Smart Syringe Industry: SWOT Analysis

Figure 85: Global: Smart Syringe Industry: Value Chain Analysis

Figure 86: Global: Smart Syringe Industry: Porter's Five Forces Analysis

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