

Smart Syringes Market to Reach USD 24.37 Billion by 2033, Growing at a CAGR of 10.6% | Astute Analytica

CHICAGO, NY, UNITED STATES, January 17, 2025 /EINPresswire.com/ -- The global [Smart Syringes Market](#), valued at $USD 10.00 billion$ in 2024 is set to experience robust growth over the forecast period 2024-2033, achieving a projected valuation of $USD 24.37 billion$ by 2033. This remarkable growth corresponds to a compound annual growth rate (CAGR) of $10.6%$, driven by increasing adoption of advanced medical technologies and a growing focus on patient safety.

For more information, visit <https://www.astuteanalytica.com/request-sample/smart-syringes-market>



Smart syringes, designed to prevent reuse and reduce needlestick injuries, are gaining significant traction across healthcare settings. Rising awareness about infection control, coupled with stringent government regulations to enhance safety standards, is accelerating market adoption globally.

Key highlights include:

1. **Market Growth:** The market is projected to reach $USD 24.37 billion$ by 2033, growing at a CAGR of $10.6%$.

The increasing need for accurate insulin delivery is transforming how patients, healthcare providers, and manufacturers approach diabetes treatments. According to the IDF, the global population requiring insulin therapy now surpasses 35 million people who administer injections daily. Additionally, the American Diabetes Association records over 1.4 million annual new diagnoses in the US alone, meaning a sustained influx of patients requiring safe, efficient injection options. As a result, the smart syringes market is witnessing a significant influx of demand. The WHO points out that more than 60% of diabetic complications stem from suboptimal medication adherence, prompting a surge of interest in smart syringes that provide integrated dose monitoring. In 2023, the CDC noted that mobile health applications

synchronized with smart injection devices are being used by 2.6 million individuals in North America for better glycemic control. Pharmaceutical giants are also launching pilot programs in which 18 teaching hospitals across Europe test smart syringe feedback mechanisms for insulin drawing accuracy.

This surging demand in the smart syringes market is fueled by the growing complexity of diabetes regimens, where real-time data is crucial to prevent adverse events. Medical journals report that a single misdose among type 1 diabetics can result in serious complications if not swiftly corrected, reinforcing the necessity of precise injection delivery. Healthcare systems in major diabetic markets, including China and India, are scaling up advanced insulin therapy training, leading to nationwide campaigns promoting device literacy for 50 million newly diagnosed patients. Clinicians in these regions are increasingly prescribing smart syringes that log dose history automatically, ensuring immediate detection of errors. Such expansions not only alleviate clinical burdens but also empower patients through streamlined data-sharing with medical professionals—creating a robust push toward advanced injection systems worldwide.

Key players in the smart syringes market include:

- Becton, Dickinson and Company
- Medtronic
- Terumo Corporation
- Gerresheimer AG
- Baxter
- Cardinal Health
- Parker Hannifin Corp.
- Numedico Technologies Pty Ltd
- Retractable Technologies, Inc.
- Smiths Group Plc
- Braun Melsungen AG
- Unilife Corporation
- Other Prominent Players

For more information on the smart syringes market, visit our industry report: <https://www.astuteanalytica.com/industry-report/smart-syringes-market>

Smart syringes are categorized into:

Three main types:

- Auto Disable Syringes
- Passive Safety Syringes
- Active Safety Syringes

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- Adults
- Pediatrics

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- Vaccination
- Drug Delivery
- Blood Specimen Collection

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- Hospitals
- Psychiatric
- Family Practices
- Diabetic Patients
- Others

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- Direct Sales
- Online Sales
- Retail Pharmacies & Drug Stores
- Hospital & Clinic Purchases

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- North America
- The U.S.
- Canada
- Mexico
- Europe
- Western Europe
- The UK
- Germany
- France
- Italy
- Spain
- Rest of Western Europe
- Eastern Europe
- Poland

- Russia
- Rest of Eastern Europe
- Asia Pacific
- China
- India
- Japan
- Australia & New Zealand
- South Korea
- ASEAN
- Rest of Asia Pacific
- Middle East & Africa
- Saudi Arabia
- South Africa
- UAE
- Rest of MEA
- South America
- Argentina
- Brazil
- Rest of South America

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