

# Auto-retractable Safety Syringe Market By Type (0.5ml capacity, 1 ml Capacity, 3 ml capacity, Others) , By Application (Intramuscular, Subcutaneous, Intravenous) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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## Abstracts

### Auto-retractable Safety Syringe Market

The auto-retractable safety syringe market was valued at \$3.2 billion in 2023 and is projected to reach \$4.8 billion by 2033, growing at a CAGR of 4% from 2024 to 2033.

An auto-retractable safety syringe is a form of syringe integrated with the safety feature of one-click coaxial needle retraction. Once the plunger handle of the syringe depresses completely, the needle automatically withdraws itself from the patient's body to the syringe barrel. The key benefit of a safety syringe includes reduced needlestick injury risk and decreased exposure to contaminated needles.

Increase in healthcare expenditure and advancements in the tools & equipment used in healthcare settings are the primary drivers of the auto-retractable safety syringe market. In addition, rise in the prevalence of transmissible diseases is boosting the adoption of auto-retractable safety syringes in different types of healthcare facilities and clinics. Furthermore, the implementation of stringent regulations by governments, such as the Needlestick Safety and Prevention Act in the U.S., is promoting the use of safety syringes and augmenting the market development. In recent times, the trend of prefilled auto-retractable safety syringes is acquiring traction in the market. These syringes enhance the safety of patients through accurate dosage delivery and easy self-administration attributes. This form of safety syringes is projected to dominate the

market in the future as remote treatments and self-medication are poised to be the future of the healthcare industry.

However, the cost of retractable syringes is higher than the conventional syringes, deterring their adoption in small-scale healthcare settings & remote locations and hampering the growth of the market. In addition, the World Health Organization has implemented some mandatory guidelines regarding the use of safety syringes, compliance with which restrains the market growth. Contrarily, rapid surge in the prevalence of needlestick injuries is expected to present new avenues for the auto-retractable safety syringe market. As per a report published on the National Library of Medicine, around four percent of the total hepatitis C cases arise due to needlestick injuries. This is projected to boost the use of auto-retractable safety syringes in the coming future.

## Segment Review

The auto-retractable safety syringe market is segmented into type, application, and region. On the basis of type, the market is divided into 0.5ml capacity, 1 ml capacity, 3 ml capacity, and others. Depending on application, it is classified into intramuscular, subcutaneous, and intravenous. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

## Key Findings

On the basis of type, the 0.5ml capacity segment witnesses a high demand in the market.

Depending on application, the intravenous segment dominates the auto-retractable safety syringe market.

Region wise, North America is projected to be the highest revenue generator by 2033.

## Competition Analysis

The key players operating in the global auto-retractable safety syringe market include BD (Becton, Dickinson and Company), Smiths Medical, Terumo Corporation, Retractable Technologies, Inc., Medtronic plc, Nipro Corporation, Globe Medical Tech, Inc, Revolutions Medical Corporation, Sol-Millennium, and DMC Medical Limited.

These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.

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Key Market Segments

By Type

0.5ml capacity

1 ml Capacity

3 ml capacity

Others

By Application

Intramuscular

Subcutaneous

Intravenous

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

BD (Becton, Dickinson and Company)

Smiths Medical

Terumo Corporation

Retractable Technologies, Inc.

Medtronic plc

Nipro Corporation

Globe Medical Tech, Inc

Revolutions Medical Corporation

sol-millennium

DMC Medical Limited

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