

**Prefilled Syringes Market (7th Edition), Industry Trends and Global Forecasts, till 2035: Distribution by Purpose of Syringe (Specialty Prefilled Syringes, Therapeutic Prefilled Syringes and Cosmetic Prefilled Syringes), Therapeutic Area (Therapeutic Syringes - Blood Disorders, Infectious Diseases, Autoimmune Disorders, Oncological Disorders, Cardiovascular Disorders, Respiratory Disorders, Neurological Disorders, Metabolic Disorders, Ophthalmic Disorders, Orthopedic Disorders and Others), Type of Molecule (Therapeutic Syringes - Proteins, Antibodies, Peptides, Small Molecules, Vaccines and Cell Therapies), Type of Barrel Material (Glass Syringes and Plastic Syringes), Number of Barrel Chamber (Single Chamber Syringes and Dual Chamber Syringes), Type of Needle System (Staked Needle Syringes and Luer Syringes), Usability of Syringe (Disposable Syringes and Reusable Syringes), Type of Syringe (Conventional Syringes and Safety Syringes), Type of Packaging (Bulk Syringes and Nested Syringes) and Key Geographical Regions (North America, Europe, Asia-Pacific, Middle East and North Africa, and Latin America)**

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## Abstracts

Prefilled Syringes Market (7th Edition), Industry Trends and Global Forecasts, till 2035: Distribution by Purpose of Syringe (Specialty Prefilled Syringes, Therapeutic Prefilled Syringes and Cosmetic Prefilled Syringes), Therapeutic Area (Therapeutic Syringes - Blood Disorders, Infectious Diseases, Autoimmune Disorders, Oncological Disorders, Cardiovascular Disorders, Respiratory Disorders, Neurological Disorders, Metabolic Disorders, Ophthalmic Disorders, Orthopedic Disorders and Others), Type of Molecule (Therapeutic Syringes - Proteins, Antibodies, Peptides, Small Molecules, Vaccines and Cell Therapies), Type of Barrel Material (Glass Syringes and Plastic Syringes), Number of Barrel Chamber (Single Chamber Syringes and Dual Chamber Syringes), Type of Needle System (Staked Needle Syringes and Luer Syringes), Usability of Syringe (Disposable Syringes and Reusable Syringes), Type of Syringe (Conventional Syringes and Safety Syringes), Type of Packaging (Bulk Syringes and Nested Syringes) and Key Geographical Regions (North America, Europe, Asia-Pacific, Middle East and North Africa, and Latin America)

Report Link: <https://www.rootsanalysis.com/reports/prefilled-syringes-market/284.html>

The prefilled syringes market is expected to reach USD 3 billion by 2024 anticipated to grow at a CAGR of 4.6% during the forecast period 2024-2035.

The prevalence of chronic disorders such as autoimmune conditions (e.g., rheumatoid arthritis), cardiovascular diseases, diabetes, and oncological disorders has surged globally in recent years. In the United States, nearly 133 million individuals were estimated to be affected by one or more chronic disorders in 2022, with this number anticipated to reach 170 million by 2030. According to a recent study by the US Centers for Disease Control (CDC), the annual economic burden associated with chronic disorders in the US stands at USD 4.1 trillion. A significant portion of these costs arise from the frequent requirement for medication, leading to regular hospital visits. Moreover, patient hesitance towards receiving injections in clinical settings due to privacy concerns or discomfort presents an additional challenge, impacting patient adherence to treatment regimens.

To mitigate these challenges, various self-administration devices like autoinjectors, prefilled syringes, and pen injectors have been developed. Prefilled syringes, in

particular, have gained prominence, especially in emergency situations such as anaphylactic shock and rheumatoid arthritis treatment. These syringes come pre-loaded with precise doses of parenteral medication, eliminating the need for manual filling. They offer benefits such as convenience, dose accuracy, reduced risk of contamination, and minimal drug wastage. By reducing the frequency of patient visits to healthcare providers, prefilled syringes contribute to lowering global healthcare expenditures. Currently, various types of prefilled syringes are available, including dual-chamber prefilled syringes, flush syringes, and safety syringes equipped with mechanisms to prevent needlestick injuries. With the growing adoption of self-administering parenteral devices, ongoing technological advancements, and increasing preference for home healthcare services, the global prefilled syringes market is poised for significant growth in the foreseeable future.

## Report Coverage

The report comprehensively examines the prefilled syringe market based on purpose of syringe, therapeutic area, type of molecule, type of barrel material, number of barrel chamber, type of needle system, usability of syringe, type of syringe, type of packaging and key geographical regions.

It thoroughly analyzes market influences such as drivers, restraints, opportunities, and challenges, while evaluating competitive landscapes for top players. Forecasts are provided for segment revenues across major regions.

This chapter provides an extensive overview of prefilled syringes, covering their components, historical evolution, and associated benefits. It also examines various types of prefilled syringes categorized by factors such as barrel fabrication material, needle system, and packaging method. The manufacturing process for prefilled syringes is detailed, along with future growth prospects for the industry.

A comprehensive assessment of the current prefilled syringes market landscape is conducted, considering parameters such as barrel fabrication material, needle system type, and syringe volume. Additionally, the chapter offers an in-depth analysis of prefilled syringe manufacturers, including establishment details, company size, headquarters location, manufacturing facility location, and identification of key players based on production volume.

Detailed evaluation of prefilled syringe manufacturers' competitiveness,

considering factors such as product development stage, barrel chamber count, syringe volume availability, and types of needle systems offered.

Elaborate profiles of notable prefilled syringe manufacturers located across North America, Europe, and the Asia Pacific region are presented, along with profiles of other prominent players in the industry. Each profile includes company overview details such as establishment year, headquarters location, employee count, and leadership team information. Financial data, if available, is also provided alongside details of the manufacturer's prefilled syringe portfolio, recent advancements, and future outlook.

The chapter addresses concerns regarding needlestick injuries and outlines safety measures implemented in prefilled syringes, including regional and global legislation efforts. It highlights companies involved in developing and manufacturing safety solutions for prefilled syringes.

A comprehensive summary of regulatory guidelines set by major regulatory bodies for prefilled syringe approval across different countries and regions.

An in-depth analysis of combination products available or under evaluation in prefilled syringe form, focusing on injectable drugs and vaccines. This analysis includes approved drugs categorized by drug molecule type, approval year, administration route, and therapeutic area. Additionally, it covers products in clinical stages, considering parameters such as drug molecule type, development phase, administration route, and therapeutic focus, along with insights into the involved drug developers.

A thorough examination of prevalent therapeutic indications commonly targeted in medical treatment, with detailed information on approved or marketed injectable drug products used across various therapeutic areas, along with insights into biosimilar availability for these drugs.

A comprehensive overview of marketed drugs or therapies expected to be accessible in prefilled syringe format soon, based on parameters such as historical sales data, drug molecule type, therapeutic area, administration route, and existing dosage forms.

An assessment of prefilled syringe combination product-related initiatives by major pharmaceutical companies, considering factors such as revenue

generation in 2022, number of combination products, target therapeutic areas, and drug molecule types.

An analysis of partnerships established in the prefilled syringe sector, covering parameters such as initiative year, type, geographical distribution, and key players involved.

An examination of patents related to prefilled syringes filed or granted since 2019, considering aspects such as patent type, publication year, applicant type, geographical location, CPC symbols, and leading players in terms of patent filings. Additionally, the chapter includes patent benchmarking and valuation analysis focusing on patents with high citation counts, along with identification of key opinion leaders in the prefilled syringe domain based on roles, affiliations, indications, and locations.

Detailed information on specialty syringes including prefilled flush syringes, diluent systems, and syringes with contrast agents, along with available products in the market and their respective benefits.

Recent technological advancements in prefilled syringe design and manufacturing are discussed, focusing on innovations enabling lyophilized drug marketing in dual-chambered syringes, as well as advancements in lubrication and sterilization technologies.

An analysis of factors expected to drive growth in the prefilled syringes market, including the rise in chronic diseases, preference for self-medication, evolving patient preferences, adoption of biologics and biosimilars, pharmaceutical strategies, needlestick injury prevention initiatives, and potential applications of prefilled syringes.

Industry trends, opportunities, and challenges are discussed under a SWOT analysis, highlighting their potential impact on the prefilled syringes market evolution, accompanied by a Harvey ball analysis illustrating the relative significance of each SWOT parameter on industry dynamics.

## Key Market Companies

Becton Dickinson and Company

Credence MedSystems

Gerresheimer

J.O.Pharma

Medefil

MedXL

Mitsubishi Gas Chemical

Nipro PharmaPackaging

Novartis

Pfizer

SCHOTT

Shandong Pharmaceutical Glass

Shandong Weigao

Shin Yan Sheno Precision Industrial

Stevanato

Taisei Kako

Vetter Pharma

West Pharmaceutical

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