

# Key Trend in Medical High Pressure Syringe Market 2025: Sol-Millennium Unveils Needle-Free Insulin Injection Device

*The Business Research Company's  
Medical High Pressure Syringe Global  
Market Report 2025 – Market Size,  
Trends, And Global Forecast 2025-2034*

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Medical High Pressure Syringe Global Market Report  
2025

The recent years have shown that the [medical high pressure syringe market](#) size is on a steady increase. The market size has grown exponentially from \$1.52 billion in 2024 to \$1.65 billion in

2025, demonstrating a Compound Annual Growth Rate CAGR of 8.6%. The growth during this period can be fundamentally attributed to the increasing demand for diagnostic imaging procedures, rise in the prevalence of chronic diseases, spike in minimally invasive surgeries, amplified adoption of contrast agents, and the noticeable rise in healthcare infrastructure investments.

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How Big Is the Global Medical High Pressure Syringe  
Market Expected to Grow, and What Is Its Annual Growth  
Rate?

There is a pronounced expectation for the medical high pressure syringe market size to see continued growth in the years to come. By 2029, it is anticipated to reach \$2.26 billion at a Compound Annual Growth Rate CAGR of 8.2%. The growth in this forecasted period can be primarily credited to the growing geriatric population, increased use of CT and MRI scans, rising demand for precision imaging, widening healthcare access in emerging markets, and a growing emphasis on patient safety and injection accuracy.

Major advancements could be seen in the forecast period including the innovation in disposable syringe systems, development of dual-head and multi-head injectors, increased usage of advanced materials for improved durability, and the development of integrated injector software solutions.

What Is Driving the Growth of the Medical High Pressure Syringe Market?

The increased demand for minimally invasive procedures is another key driver projected for the market. Minimally invasive procedures involve techniques that use small incisions or non-invasive methods, having significantly less tissue damage, a quicker recovery time, and reduced postoperative pain - making them preferable over traditional surgical methods. Medical high pressure syringes are integral to these minimally invasive procedures through enabling precise and controlled delivery of contrast media, which enhances imaging accuracy vital for guiding such interventions.

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Which Leading Companies Are Driving The Growth Of The [Medical High Pressure Syringe Market Share](#)?

Prominent entities in the world of Medical High Pressure Syringes include Cardinal Health Inc., Bayer AG, 3M Company, Medline Industries Inc., Becton Dickinson and Company, GE Healthcare Technologies Inc., Avantor Inc., Terumo Corporation, Gerresheimer AG, Merit Medical Systems Inc., MedNet GmbH, B. Braun Melsungen AG, Ulrich GmbH & Co. KG among others.

What Are The Key Trends Driving The Growth Of The Medical High Pressure Syringe Market Size?

With the prospect of growth foreseen in this market, industry leaders have their focus strongly directed towards the development of innovative technologies like needle-free technologies, setting the standard for improving patient safety and enhancing injection efficiency. Innovation in this direction can be seen from Sol-Millennium Medical Group, a US-based Medical Group, which launched a revolutionary needle-free injection device designed exclusively for insulin delivery - a significant leap in the diabetes care sector.

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How Is the Global Medical High Pressure Syringe Market Segmented?

These innovations bring forth an array of product types, including CT injector systems, MRI injector systems, and angiographic injector systems. Contrast injectors, which are medical devices employed to enhance the visibility of tissues for medical imaging procedures, have also made a mark. The varieties of available materials for the product include plastic syringes, glass syringes, and metal syringes used in cardiology, radiology, urology, and orthopedics among

others.

What are The Leading Region in the Medical High Pressure Syringe Market?

In 2024, North America was the largest region in the Medical High Pressure Syringe market. Asia-Pacific shows promise as the fastest-growing region in the forecast period.

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