

Pharmaceuticals Machinery Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

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Abstracts

The Global Pharmaceuticals Machinery Market was valued at USD 25.2 billion in 2024 and is poised for substantial growth, projected to expand at a CAGR of 6.4% between 2025 and 2034. This robust growth trajectory is fueled by the rising global demand for pharmaceutical products, driven by an aging population, the increasing prevalence of chronic diseases, and the growing adoption of personalized medicine. Advancements in manufacturing technologies, coupled with the accelerated production of generic drugs and vaccines, further amplify the market's potential. The evolving biopharmaceutical sector, with its focus on biologics, biosimilars, and innovative therapeutics, also demands state-of-the-art machinery, creating lucrative opportunities for manufacturers. Stringent regulatory requirements necessitate advanced equipment for precision and compliance, and the increasing reliance on pharmaceutical contract manufacturing organizations (CMOs) is an essential factor in accelerating market expansion.

Pharmaceutical production now relies heavily on cutting-edge machinery tailored to meet specific needs. The manufacturing of biologics, vaccines, and biosimilars requires specialized equipment, such as high-precision fill-finish systems and sterile processing machinery, to maintain the highest quality and safety standards. CMOs and contract development and manufacturing organizations (CDMOs) are investing in advanced technologies, ensuring they can meet large-scale production demands for multiple pharmaceutical companies. This collaboration further enhances the industry's capabilities, allowing for greater efficiency and flexibility in production.

In 2024, the solid dosage machine segment emerged as the market leader, generating USD 9.6 billion. It is anticipated to grow at a CAGR of 6.8% between 2025 and 2034. Solid dosage forms, including tablets, capsules, and powders, are the most widely used

in the pharmaceutical industry, necessitating highly efficient, automated, and high-speed machinery. Manufacturers increasingly prioritize customization and regulatory compliance to meet specific production requirements. Additionally, the growing production of biologics and biosimilars has increased the need for specialized equipment such as fermentation tanks, mixers, and dryers, critical in converting active pharmaceutical ingredients (APIs) into finished products.

The fully automatic operational mode accounted for 61% of the market share in 2024, with growth projected at a CAGR of 6.6% through 2034. Fully automatic machines streamline high-speed production processes for pharmaceuticals, including tablets, capsules, and injectables, managing critical functions such as filling, capping, labeling, and packaging. These machines address the rising demand for precision and efficiency in production, ensuring consistent quality and reduced error rates. Semi-automatic machines, blending automation with manual oversight, offer an alternative for manufacturers seeking flexibility and efficiency.

The US pharmaceuticals machinery market reached USD 5.7 billion in 2024 and is forecasted to grow at a CAGR of 6.5% through 2034. Growth in this region is driven by increasing demand for innovative drugs, advancements in vaccine manufacturing, and a focus on small-batch and personalized medicine production. Rising healthcare needs, fueled by an aging population and a higher prevalence of chronic conditions, further underscore the expanding market.

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5.2.1.1 Tablet press

5.2.1.2 Tablet dedusters

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5.2.2.3 Others (capsule inspection etc.)

5.2.3 Others (softgel encapsulation etc.)

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