

North America Decapping System Market Forecast to 2028 - Regional Analysis - by Type (Manual, Semi-Automated, and Automated), Application (Tubes and Vials), and End User (Pharmaceutical and Biotech Industry, CDMOs/CROs, and Others)

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Abstracts

The North America decapping system market is expected to grow from US\$ 137.19 million in 2022 to US\$ 184.42 million by 2028. It is estimated to grow at a CAGR of 5.1% from 2022 to 2028.

Accelerated Demand for Vaccine Egg Decapper in Process Industry Fuels North America Decapping System Market

Large quantities of eggs are used in various manufacturing and processing industries, particularly in the pharmaceutical and biotech industries. These eggs must often be decapped for vaccine production or capsule filling process. Many existing decapping methods and devices are being adopted by the processing industries such as pharmaceutical and biotech. The Embrex Vaccine Egg Decapper (VED) from Zoetis is a semi-automated device that removes the tops of embryonated chicken eggs intended for vaccine production. The egg decapper utilizes a proprietary cutting and cleaning system that helps facilitate a clean cut and deposits shells into a waste container assisting in minimizing shell debris. Such mobile devices are ideal for small production and laboratory research facilities. Further, the Embrex egg decapper is specialized in decapping 36 or 42 eggs simultaneously, with a throughput efficiency of 5,000 to 18,000 eggs per hour with a human-machine interface (HMI) and programmable logic controller (PLC) for full system control. Therefore, once the egg decapper process is performed the specimen is collected in the tubes for further processing. Such advanced decapping technology in the process industry for specimen collection tubes accelerates the

demand for decapping eggs, enhancing overall market growth.

North America Decapping System Market Overview

The North America decapping system market is segmented into the US, Canada, and Mexico. The market growth in the region is attributed to the increasing demand for sampling facilities and rising demand for biopharmaceutical tubing that requires automated time-saving cappers and decappers. Moreover, due to the expansion of the pharmaceutical & biopharmaceutical industry in the region, the demand for decapping systems is growing.

North America Decapping System Market Revenue and Forecast to 2028 (US\$ Million)

North America Decapping System Market Segmentation

The North America decapping system market is segmented into type, application, end user, and country.

Based on type, the North America decapping system market is segmented into manual, semi-automated, and automated. The automated segment held the largest share of the North America decapping system market in 2022.

Based on application, the North America decapping system market is segmented into tubes and vials. The tubes segment held a larger share of the North America decapping system market in 2022.

Based on end user, the North America decapping system market is segmented into pharmaceutical and biotech industry, CDMOs/CROs, and others. The pharmaceutical and biotech industry segment held the largest share of the North America decapping system market in 2022.

Based on country, the North America decapping system market is segmented into the US, Canada, and Mexico. The US dominated the North America decapping system market in 2022.

Agilent Technologies Inc, Azenta Inc, Cole-Parmer Instrument Co LLC, Hamilton Co, Micronic Holding BV, Sarstedt AG and Co KG, and Thermo Fisher Scientific Inc are some of the leading companies operating in the North America decapping system market.

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