



Press release

Martin Christ Delivers Its 30,000th Freeze Dryer – LyoLift System Goes to Longtime Partner Coriolis Pharma

Osterode (Germany), January 20, 2026 – **With more than 75 years of experience in freeze-drying technology, Martin Christ Freeze Dryers GmbH & Co. KG has reached a major milestone: the company has produced and delivered its 30,000th freeze dryer. The system, an Epsilon 2-10D LyoLift, has been delivered to Coriolis Pharma Research GmbH, a long-standing partner in pharmaceutical development and lyophilization.**

From early innovation to high-end freeze-drying technology

Founded in 1947, Martin Christ has grown into one of the world's leading providers of freeze-drying systems. The company began developing freeze dryers in the 1950s, initially focusing on laboratory applications. These early systems laid the foundation for the technological expertise and innovation that continue to define the Christ brand today.

A previous production milestone was reached in 2009 with the delivery of the 15,000th freeze dryer. Since then, production volumes have increased significantly, accompanied by continuous technological advancements and systematic expansion of manufacturing capacity.

Today, Martin Christ offers a comprehensive portfolio of high-end freeze-drying solutions for pharmaceutical, biotech, life science, and other demanding applications. The product range spans from laboratory and pilot-scale systems to large-scale,

GMP-compliant production freeze dryers. Decades of experience, uncompromising quality standards, and a strong innovation focus enable Christ to deliver reliable, high-performance, and flexible solutions to customers worldwide.

The LyoLift system exemplifies this evolution. Technically designed as an integrated solution consisting of the Epsilon 2-10D freeze dryer, a semi-automated LyoLift loading system, and an isolator, the system enables safe and efficient loading and unloading in a protected environment. It meets stringent pharmaceutical requirements for process safety and cleanroom integration.

The LyoLift loading system was developed by Motus, a Martin Christ subsidiary based in Marburg and the company's center of excellence for industry-specific intralogistics solutions, particularly for loading and unloading freeze-drying systems.

Handover to Coriolis Pharma: A step into the future

The 30,000th freeze dryer has been delivered to Coriolis Pharma Research GmbH, a globally active Contract Research & Development Organization (CRDO) specializing in biopharmaceutical development and lyophilization. Coriolis Pharma provides services in formulation development, analytical methods, and GMP-supported manufacturing, with a strong focus on liquid and lyophilized drug products.

At its headquarters, Coriolis Pharma operates more than 3,600 square meters of state-of-the-art R&D, GMP, and non-GMP laboratory space, including a dedicated lyophilization department.

"With Martin Christ's LyoLift, we are strengthening our ability to support lyophilization processes from the early development stage to near-GMP manufacturing under real-world conditions. This investment enables us to offer our customers integrated solutions for formulation, analytics, and process development at the highest level. Our long-standing cooperation with Martin Christ has proven itself over the years – we look forward to the next stage of our partnership," explains Randy Wanner, Business Unit Manager – Formulation and Lyophilization at Coriolis Pharma.



» We are proud that our 30,000th freeze dryer is being delivered to such an innovative and internationally active partner as Coriolis Pharma

This milestone reflects not only our decades of experience and technological expertise, but also our commitment to the future and our ambition to consistently provide customers with state-of-the-art solutions.

Dr. Frank Harms

Managing Director, Martin Christ Gefriertrocknungsanlagen GmbH

The role of freeze drying in pharma and biotech

Freeze drying (lyophilization) plays a central role in the pharmaceutical industry: it enables the stabilization of sensitive active ingredients, especially biologically active substances such as proteins, peptides, vaccines, or cell therapeutics. By removing water under vacuum and gently controlling the temperature, shelf life can be significantly extended and product quality assured – without harmful heating.

In R&D, clinical manufacturing, and production, factors such as reproducibility, cleanroom or isolator technology, sterility aspects, and integration into overall processes are just as important as precise process control and temperature control. This is where the use of highly developed systems such as the LyoLift is crucial.

About Martin Christ Freeze Dryers

Martin Christ Gefriertrocknungsanlagen GmbH, headquartered in Osterode am Harz, Germany, is one of the world's leading manufacturers of freeze-drying systems, with more than 75 years of experience. In addition to high-performance laboratory freeze dryers and vacuum concentrators, the company focuses strongly on freeze-drying systems for pharmaceutical applications. A wide range of proprietary Process

Analytical Technology (PAT) tools—such as Controlled Nucleation LyoCoN and the LyoCam camera system—as well as innovative loading solutions like the fully automated LyoShuttle and the semi-automated LyoLift, ensure maximum product quality and process safety. A global service network completes the company's comprehensive product and service portfolio.



Development and manufacture of the first freeze dryers in the 1960s



Production hall for production freeze dryers in Osterode (Germany), 2025

Press kit

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30 000
freeze dryers

