

8-4-2026 Voith Headbox

Voith delivers its 3,000th headbox

Voith has reached an important milestone with the delivery of its 3,000th headbox. Since the first Voith headbox was supplied in 1914, the company has continuously improved one of the most critical components of the paper machine. Today, Voith headboxes are installed in paper mills around the world and form the technological basis for stable production, consistent quality and high operational efficiency.

Headbox plays a vital role in papermaking. Its primary task is to ensure uniform basis-weight profiles across paper webs that can reach widths of up to ten meters. At the same time, it is essential for achieving good formation, enabling a homogeneous fibre distribution in the sheet. Modern headboxes must also meet growing requirements in terms of efficiency, minimal maintenance effort, reduced cleaning intervals and increasingly lower energy consumption. The integration into automation systems has therefore become a decisive factor, particularly with advanced control solutions such as dilution water profiling.

The 3,000th Voith headbox is part of a complete paper machine order for a Chinese customer. The delivery includes two MasterJet 4Tec F headboxes, marking the first application of the MasterJet 4Tec F series. Until now, the MasterJet 4Tec technology has been available only for smaller-width headboxes. The F-version is designed for large paper machines, supporting web widths of up to 11.6 meters and operating speeds of up to 1,600 meters per minute.

With MasterJet 4Tec, Voith has further refined headbox performance by combining proven mechanical design with completely new elements. The ModuleJet dilution control system enables precise cross-directional basis-weight control, supporting stable profiles and high reproducibility. These features contribute to improved product quality, reduced raw material consumption and more efficient operation throughout the life cycle of the paper machine.

Headboxes are not only essential for new paper machines, but also play a major role in rebuild projects, capacity increases and grade conversions. With its broad portfolio and global service network, Voith supports paper producers throughout the entire lifecycle of their headbox systems.