

PALLETISATION

Winning VETROMECCANICA solutions for WIEGAND-GLASS cold-end

Across a major furnace refurbishment, VETROMECCANICA has delivered and commissioned a new-generation cold-end at WIEGAND-GLAS' Ernstthal plant – combining high configurability, advanced palletisation and ergonomic design. The project reinforces Vetromeccanica's role as a technology partner for complex glass container operations.

A strategic project for Vetromeccanica has been realised with the supply and installation of a new-generation cold-end system at the Ernstthal plant of the Wiegand-Glas Group

– one of Europe's largest glass container manufacturers. Integrated within a broader furnace refurbishment, the installation represents a significant step in consolidating Vetromeccanica's position as a reliable technological partner

for highly flexible, customised solutions.

TECHNICAL ARCHITECTURE OF THE COLD-END SYSTEM

The core of the project consists of a complete end-of-line system engineered to maximise versatility, human-machine interaction and overall production efficiency. The supplied configuration includes six latest-generation palletisers and two assisted manual packaging stations, all designed to operate seamlessly within a high-mix manufacturing environment.

The primary objective was to develop machines capable of handling an exceptionally wide range of glass formats. The systems were specifically engineered to process both standard and non-standard containers, including conical and irregularly shaped geometries, supported by an active catalogue of several hundred different moulds.

OPERATIONAL FLEXIBILITY AND STRATEGIC IMPACT

To manage this extreme product variability, the cold-end was equipped with advanced



engineering solutions focused on operational flexibility. Dual gripping and pushing modes allow the machines to operate with either system, both at the stacker level and during palletisation. Table-level palletisation is achieved through a dedicated pit design that maintains a constant working height aligned with the table, improving ergonomics and ensuring process stability. In addition, dedicated equipment for the handling and insertion of partitions has been integrated to protect delicate and complex formats during packaging.

Beyond its technical success, the Wiegand-Glas project holds strong strategic value for Vetromeccanica. Managing

hundreds of moulds alongside dual gripping and pushing technologies confirms the high technical capability and adaptability of its cold-end solutions. Collaboration with an industrial group of Wiegand-Glas' scale further strengthens Vetromeccanica's presence in the European market and creates opportunities for future high-complexity projects. The Ernstthal installation now stands as a benchmark reference, reinforcing Vetromeccanica's positioning as a key supplier of complete cold-end systems capable of delivering efficiency under the most demanding operating conditions. ■



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