REVIMAC stays in lockstep with industry developments

As new solutions from REVIMAC signal the handling machinery producer's robust response to rising demands from a competitive market, both the company's know-how and its drive towards improvement are also full-speed ahead as ever.

The motivation to succeed has always typified Revimac's people in their achievement of the company's primary target - which is to support the container production process from hot glass conditioning to gob forming, right up to the lehr loading stage.

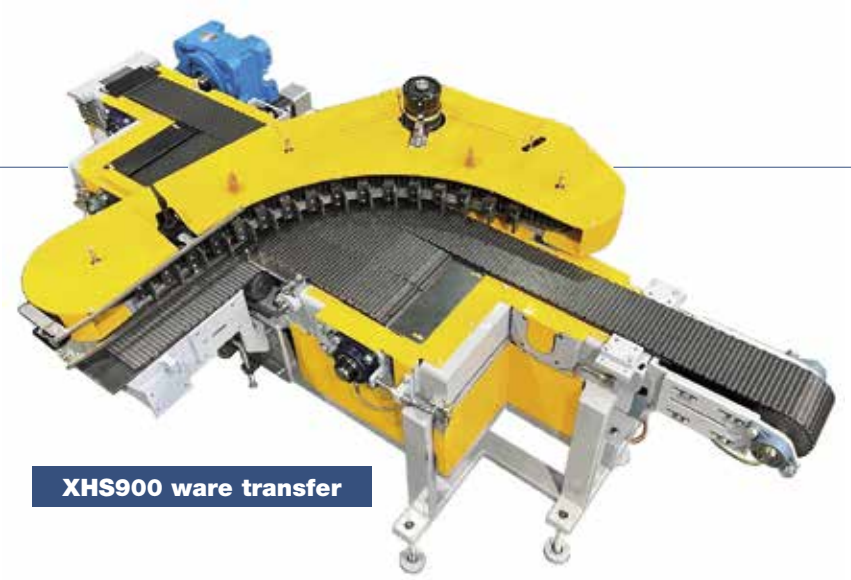
In view of a continuing transformation of the market, industry players have consistently seen significant changes, spanning different global glass groups and organisations from independent glass plants to big investment funds. These have brought new, multi-operational challenges - all of which have stimulated Revimac's vision to evolve tirelessly in terms of engineering, technical support, quality and cost-effective solutions.

Being the first to engineer the Re-Manufactured IS-Machine concept (the strength today, as never before, behind any solid-forming process), Revimac has perfected the range of its High Performance Ware Handling equipment with its so-called Ensemble Evo.

REVIMAC ENSEMBLE EVO

Especially designed to answer the increasing demand for large scale production of glass containers, where quantity and speed are crucial to the global standard ware market for which the pack-to-melt index needs always to perform at its best,

Revimac Ensemble EVO



XHS900 ware transfer

Revimac Ensemble Evo offers a stable system that's both synchronised and harmonious - combining the ware transfer triple belt XHS900, the cross conveyors RC900 (without cooling system) and the RSS100 lehr loader (stacker). Already chosen by some of today's largest groups and glass plants, the consolidated technology is often preferred when fulfilling a need for very stable container handling.

As for the XHS900 High Performance Ware Transfer, its performance extends well beyond ware transfer alone, given that this integrated transfer system is also capable of transferring articles from primary conveyor to cross conveyor at a very high production speed - variable according to container dimensions.

DESIGN EXCELLENCE

The new design is based upon a triple belt conveyor drive with a short auxiliary belt which, during transfer, keeps containers in firm and steady contact with a set of fingers thanks to advanced engineering associated with such key elements as auxiliary belt system, wheel adjustments, transfer plate and adjustable conveyor head - all jointly ensuring a correct transfer of the articles. Further improvement has been made by way of a hinged, tilting head that's mounted upon a cross conveyor so that height can be adjusted and set equal to the annealing lehr, independent of transfer height. Finally, new safety standards, a quality of regulations, as well as greater ease of use and maintenance all make this integrated transfer system especially reliable for high performance lines.

THE RC900

As mentioned before, connected to a ware transfer and equipped with its hinged head the RC900 cross conveyor has been developed for installation without a cooling system - thus rendering it more flexible for adaptation to any layout, as well as free of added installation devices.

Thermal distortion caused by heat radiation from the annealing lehr is mechanically compensated. Depending upon length, the structure is made of modular, individually-supported beams which can be independently adjusted either in planarity or height - all thanks to plumbing screws positioned on the upper beam supports at the cross-conveyor cold side. Not only. The adapting plates can be adjusted upon all axes for a perfect planarity fit with the lehr belt. Also, the special design of floor supports -each positioned on the structure- enables easy height adjustment. Here, too, modularity ensures reduction to a bare minimum of any stocking of spare parts, which includes a design that will facilitate ample access for easy maintenance whilst saving both in time and costs.

THE RSS100

Last but not least: Revimac's Ensemble Evo system includes the RSS100 high performance, 3-axis servo lehr loader (stacker), which is fast becoming the staple of many production handling operations today.

Besides the robust mechanical structure, now well-known, which is free of wearing parts -thus extending the life of the RSS100 stacker- a new and compatible, AI-based software release has been developed to minimise operator use and intervention at every phase - especially during start up and job changes. With its Self-Learning algorithm, this software enables the stacker to manage the loading profile automatically with only modest input while phasing the loading curve by detecting IS machine speed. During each stacker cycle the RSS100 software acquires all the necessary parameters to adjust itself for an optimum, stable push of the containers on the lehr belt - even in the event of a speed variation and without operator intervention.

Following its rich global track record of worldwide installations, Revimac's Ensemble Evo system already testifies to the company's industry-savvy in discerning how bigger market players would have privileged large scale container production over that of lighter glass weighting.

Besides its winning offers in Re-Manufactured IS Machines and Glass Conditioning Forehearth systems, Revimac has served the development of the hollow glass industry for over 30 years now with its vertical solutions for different container production types as it continues to stand prominently out as Ware Handling Equipment manufacturer. ■

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