

Revolutionary **FORGLASS** solutions extend its lusty market offer

As was evident at the recent science and technology 'Glass Industry 2023' conference, the industry's interest in **Forglass Mixing Electrodes®** is considerable. There Marian Klisch, the company's director of Research & Development, presented the mathematical modelling studies that led to both the development and successful launch of the Forglass Mixing Electrodes®. A revolutionary approach to accelerating the melting process that combines the functionality of electrodes and bubblers, the synergy of the two processes offers incredible opportunities for constructing hybrid furnaces that these days have the full attention of virtually all glass producers. The company is also well-known and respected as a supplier of turn-key batch plants, including some highly innovative, specialised and patented machinery. Currently its top three sellers are the following:

SMARTSCRAPER®

An 'intelligent' scraping conveyor equipped with a cutting-edge Overload Protection System (OPS), the SmartScraper® uses electronic sensors to continually monitor the working conditions of the conveyor - all while diagnosing problems and instantly reacting to changes in operation. The machine's built-in intelligence allows it to slow down or stop before its elements are damaged, including the protection system itself. Additionally, a comprehensive array of sensors (e.g. temperature, working speed or efficiency), SmartScraper® allows detailed analysis of its performance to prevent future malfunctions.

VIBE®

A high-performance vibrating dosing feeder that's innovative on a global scale, it allows extremely precise batching of the transported material (weigh-



Forglass Mixing Electrode

It was at Glasstec 2022 that FORGLASS exhibited -and then patented- its Forglass Mixing Electrodes®, together with the flexible Forglass Hybrid Furnace. The two innovations are congenially connected, since the design concept of the Hybrid Furnace relies on the use of Forglass Mixing Electrodes® during the melting process as a flexible source of electric energy.

ing precision > 99.95 percent). The use of inertia drives allows the machine to achieve three times higher efficiency, compared to classical batch dosing solutions. And because this device is often placed in the most critical stages of the technology line (e.g., feeding of charge to the glass furnace) its high reliability means virtually eliminating costly and time-consuming stoppages.

SELECTABLE GRAIN CRUSHER™

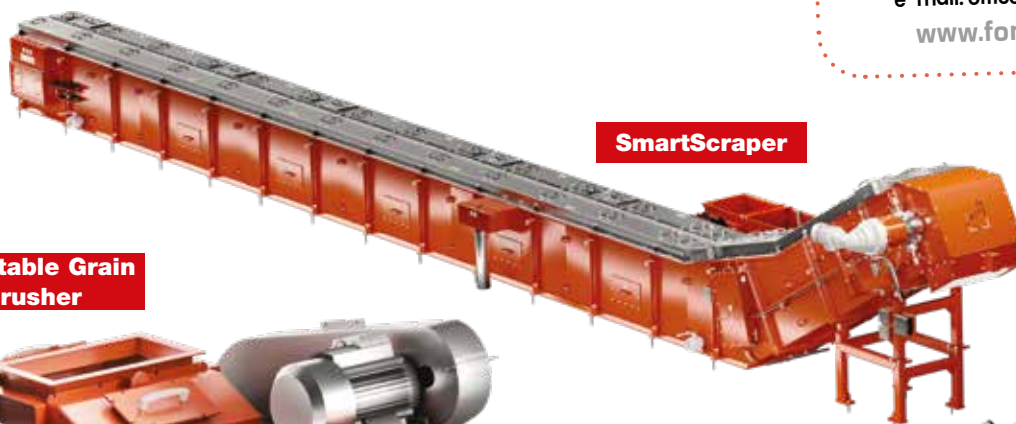
A special crusher that makes it possible to adjust the size of the grain. The desired fraction can be easily set and maintained throughout the machine's life cycle. This technology, enclosed in a small device, can be integrated into virtually any technology line. ■



 **FORGLASS**

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**Selectable Grain
Crusher**



VIBE

