

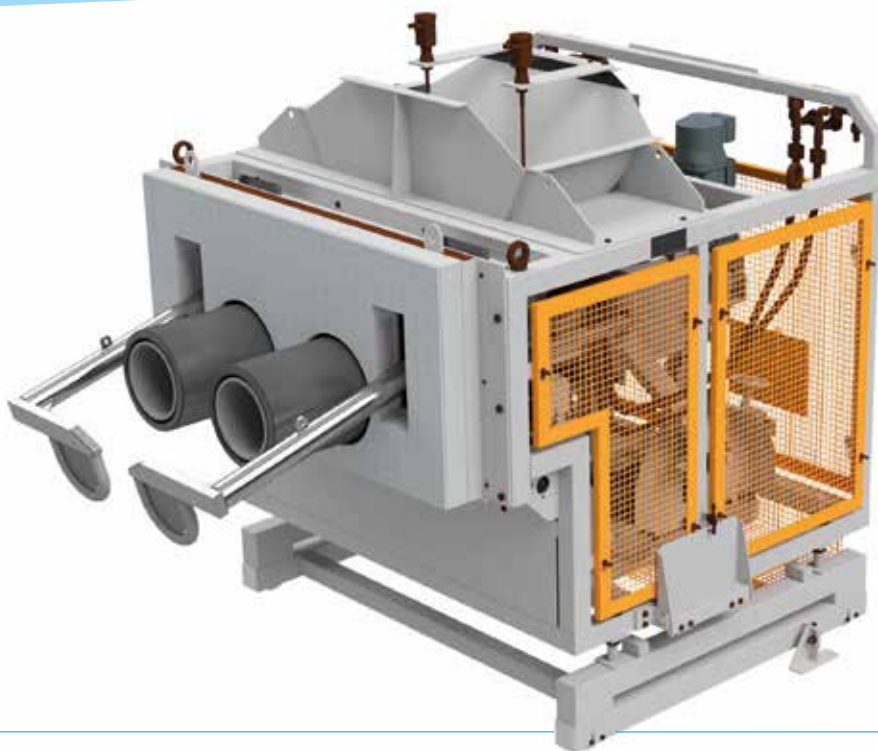
# Precision and power characterise new **EME-NEND 2** Flex Charger

A veritable trailblazer for advanced control, improved energy efficiency and easier maintenance, the EME-NEND 2 Flex Batch Charger was recently launched by EME. With its servo-driven dual pushers, smart thermal design and digital connectivity, it sets a new standard for modern, sealed doghouse batch charging technology.

**A** global innovator in batch charging and cullet treatment solutions for the glass industry, EME just launched its latest technological advancement: the EME-NEND 2 Flex Batch Charger. Now, building upon the trusted legacy of the EME-NEND® series, this cutting edge system sets fresh standards in performance, control and ease of maintenance.

## ENGINEERED FOR EXCELLENCE

Retaining the core design principles of EME's proven sealed doghouse chargers, the EME-NEND 2 Flex introduces a host of engineering upgrades and dig-



ital control enhancements - all of which positions it among the most sophisticated batch charging systems on the market today.

### **LIGHTER FRAME, SUPERIOR HANDLING**

A redesigned structural frame, now 20 percent lighter than its predecessor, ensures both mechanical integrity and easier handling. This reduction in weight also facilitates quicker installation and significantly simplifies ongoing maintenance.

### **SMART THERMAL ARCHITECTURE**

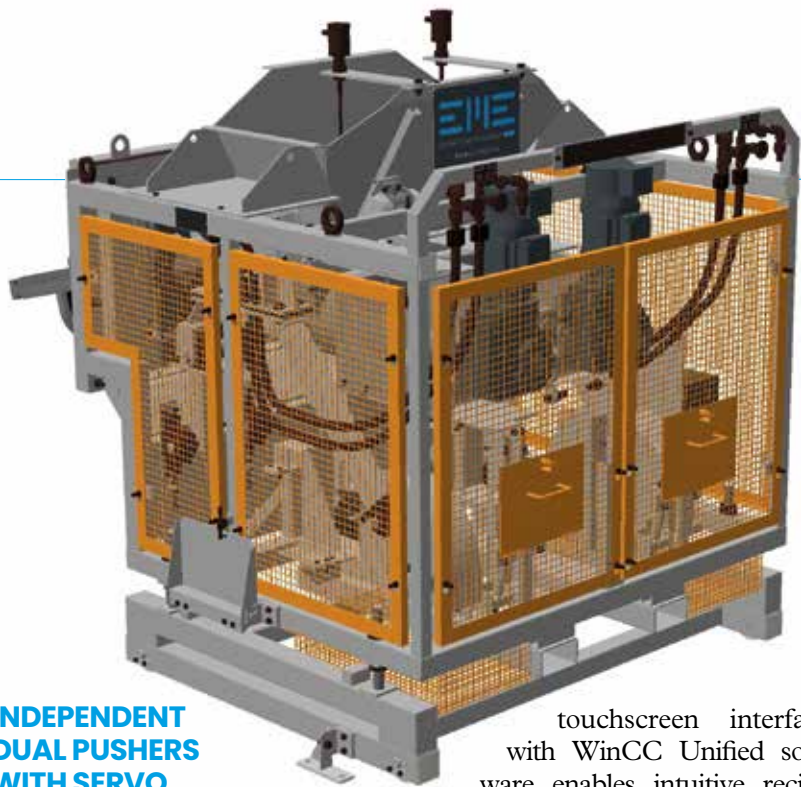
A new lightweight insulation material within the heat shield improves thermal efficiency by reducing conductivity, thereby prolonging the lifespan of critical components. For added practicality, a removable protective grid -accessible from both sides of the charger- allows quick and unobstructed access for service and inspection.

### **REFINED SCREW CONVEYOR SYSTEM**

The screw conveyors have been centrally aligned, streamlining the machine's footprint while improving batch flow and accessibility. Enhanced oscillation control permits precise, time-adjustable delivery rates, with customisable cycles offering operators exceptional control over material feed.

## **ABOUT EME**

EME is a world-leading supplier of batch and cullet handling systems for the glass industry. With a strong focus upon innovation, sustainability and customer service, the company designs and delivers cutting-edge solutions tailored to the needs of modern glass production facilities.



### **INDEPENDENT DUAL PUSHERS WITH SERVO PRECISION**

At the core of the EME-NEND 2 Flex is its dual pusher system, which has each pusher independently operated via a high-precision servo gearbox. This innovation allows for three programmable operation modes:

- Batch Cutting Mode: Pushers pause independently at set intervals to optimise distribution;
- Synchronous Mode: Both pushers operate in unison for standard batch charging;
- Independent Mode: Each pusher functions separately to support tailored melting profiles.

### **DESIGNED WITH THE OPERATOR IN MIND**

Adjustability has been engineered for simplicity. Pusher settings can now be fine-tuned without dismantling any components, via intuitive rear handwheel and front-mounted mechanical adjustment points. Maintenance is equally streamlined thanks to a side-mounted pusher design - ensuring quick access and reduced downtime.

### **ADVANCED DIGITAL CONTROL**

The EME-NEND 2 Flex is powered by a Siemens TIA-CPU 150 control system, offering secure, web-based remote access for diagnostics and operation. A new 12"

touchscreen interface with WinCC Unified software enables intuitive recipe handling - allowing operators to create, store and switch between parameter sets to suit varying batch compositions and melting conditions.

### **FUTURE-READY CHARGING, TODAY**

In keeping with EME's commitment to sealed doghouse technology, the EME-NEND 2 Flex ensures minimal emissions, reduced dust and maximised furnace efficiency. Said Thorsten Christ, Sales Director at EME: "With the EME-NEND 2 Flex, we've brought together everything our customers demand -reliability, precision and energy efficiency- and enhanced it with smart features to meet the challenges of tomorrow. It's an intelligent investment in productivity, sustainability and the long-term performance of the furnace." ■



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