Automation at SCHIATTI: defining the present, piloting the future

As a company that typically views technological progress and automation as twin differentiators that add value for its customers, SCHIATTI has invested heavily in R&D over the years. For industrial automation that makes perfect sense, given that recent strides in this field have rendered it a must for today's designers and builders of machinery for manufacturing.

Alongside SCHIATTI's traditional production range, which includes the company's standard models, almost all its machines are being continually upgraded with options and variants that 'transform' the original versions into customized creations - each optimally-equipped to meet specific needs.

SME10: IS ALSO AUTOMATIC

The SME10 grinder is also a fully-automatic model. It performs grinding and polishing of flat edge and arrisses while processing also variable angles that ranges from between 0° and 45° and thicknesses from 3 to 30mm.

The machine also self-adjusts according to the sheet being processed. Sensors will first detect

the presence of glass, then measure its thickness. They stops the glass sheet so that to give time to set the conveyor and release it. Here, in the interests of compliance, sheets will typically continue to be processed. However, should the sensors detect some discrepancy, the machine will independently ensure that the conveyor becomes conformant with the thickness detected - thereby adjusting the processing speed based upon previously set parameters. Not only. The spindles, diamond and polishing are automatic - all self-regulating, as required, in sync with the glass removal. Here settings are set by the machine itself every time it's powered on. Like almost all Schiatti straight edgers, the SME model is equipped with a system that will allow for an increase in the glass removal amount -up to 4mm- without adjusting the diamond wheels. The automatic version, too, is controlled and managed by the PLC.

SO, WHY AN AUTOMATIC GLASS PROCESSING MACHINE?

- It reduces human error;
- It increases working speed and precision
- It optimizes machine times (reduction of set-up times)
- It offers better detection, storage, analysis and control of the working data
- It reduces downtime thanks to predictive maintenance