



Configurable automation pathways developed with **SCHIATTI ANGELO** expertise



Automation in glass edging is not all-or-nothing. With a modular architecture, SCHIATTI straight-line systems allow processors to scale from manual operation to full automation - adding thickness control and loading solutions as needed. The result is measurable productivity gains aligned precisely with real production demands.

When investing in glass processing equipment, automation is not a binary choice. The real question is how much automation makes sense within a specific production context.

Not every glass processor requires a fully automated line, yet every operation should retain the option to scale when the time is right. Schiatti Angelo's straight-line edging machines exemplify this



modular approach. Starting from a proven base model, the system can evolve into a complete turnover line -composed of four straight-line edgers and three turning tables- with automation introduced precisely where it adds value. The architecture remains consistent across configurations, allowing upgrades without replacing the entire system. Instead, processors add only the components that address specific bottlenecks.

LEVEL ONE: STANDARD CONFIGURATION

Manual thickness adjustment and operator-controlled loading define the entry configuration. It is a robust and reliable setup for shops managing moderate volumes or varied production runs where flexibility outweighs raw speed. The operator retains full control of the process, adjusting parameters as needed. For many processors -particularly those handling a wide

range of glass types and sizes in smaller batches- this configuration offers a balanced combination of investment control and operational adaptability.

LEVEL TWO: AUTOMATIC THICKNESS READING

A sensor detects glass thickness and configures all machines in the line accordingly. When thickness changes, the system pauses the inlet conveyor, waits for all glass in process to complete its cycle, and then automatically resumes with updated settings. Manual adjustments are eliminated, along with the risk of processing glass with incorrect parameters. Transitions between batches become seamless. This level addresses one of the most common sources of errors and downtime in edging operations: manual setup during thickness changes. Operators can shift their focus from continual machine adjustment to quality control and supervision.

LEVEL THREE: AUTOMATIC LOADER

The automatic loader manages glass picking and feed-

ing autonomously, freeing the operator from continuous manual loading. Intervention is limited to replacing empty racks with full ones, ensuring consistent cycle times regardless of shift length or operator fatigue. This configuration maximises throughput while reducing physical strain - an increasingly important consideration during extended production runs. Each level builds upon the previous one. Processors may begin with the standard version and upgrade later, or invest in full automation from the outset. The essential principle is to align configuration with actual production requirements rather than paying for unnecessary complexity. This is the 'Tailored Technology' philosophy in practice: the right automation, precisely where it delivers measurable results.



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