

Trendsetting smart automation optimisation, courtesy of **SCHIATTI ANGELO**

Embodying over 50 years of Italian engineering mastery, SCHIATTI ANGELO's SME10 is redefining glass edging through advanced automation, precision control and sustainable efficiency. With its innovative conveyor system, smart diagnostics and modular design, the SME10 sets new global standards in performance, reliability and environmental responsibility for glass processing excellence.

ITALIAN EXCELLENCE IN GLASS AUTOMATION

For over half a century, Schiatti Angelo has embodied the very essence of Italian engineering excellence in the glass industry. Established as a benchmark for innovation, craftsmanship and reliability, the company continues to shape the global market for precision glass processing machinery - uniting advanced automation with uncompromising

energy efficiency.

REVOLUTIONARY CONVEYOR SYSTEM: 80 PERCENT LESS FRICTION

The new SME10 straight-line edger sets a new paradigm in glass edge finishing. Its groundbreaking conveyor system employs rubberized pads with integrated ball bearings that glide on a tempered steel guide, ensuring glass transport with absolute stability and precision across a tilting range of 0° to 45°. This





innovative design achieves up to 80 percent friction reduction compared to conventional mechanisms, drastically minimizing vibration. The result is an impeccable finish -on both flat edges and arrises- with exceptional cerium oxide polishing quality and unmatched surface uniformity.

SMART AUTOMATION AND PREDICTIVE CONTROL

At the core of the SME10 lies a next-generation touch-screen PLC interface, granting operators intuitive and comprehensive command over every operational parameter - from glass thickness and conveyor speed to tilt angle and polishing cycles. Its predictive diagnostic platform continuously monitors vibration and pressure patterns, signaling potential anomalies long before they impact productivity. This intelligent system reduces routine maintenance by over 50 percent - enhancing uptime and overall plant efficiency.

ENERGY EFFICIENCY AND ENVIRONMENTAL RESPONSIBILITY

Consuming only 17.7 kW throughout the full processing cycle, the SME10 demonstrates Schiatti's commitment to sustainable manufacturing. Its closed-loop water cooling circuit eliminates water waste while maintaining ideal operating temperatures, ensuring optimal thermal balance and a markedly reduced ecological footprint.

CUSTOMIZATION AND MODULAR FLEXIBILITY

The SME10's modular architecture allows extensive customization to suit any production line. Options include automatic thickness control, front arris adjustment, and precision clutch systems - enabling superb adaptation to diverse glass dimensions and finishing requirements. Combining technological sophistication, energy awareness and operational reliability, Schiatti's SME10 exempli-

fies the future of automated glass edging. It stands as the machine of choice for forward-looking manufacturers who seek to enhance productivity, minimize cost and achieve optimum quality - true to the legacy of Italian excellence in glass automation.



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