

Skill Pro: a masterpiece of SKILL GLASS expertise

Skill Glass has become a leading name in crafting and designing high-tech numerical control machines for flat sheet glass processing. These machines, complemented by dedicated software and modern design, boast both simplicity and speed. Headquartered in Schio (VI), Italy, the company focuses on innovative, top-quality and user-friendly solutions. Skill Glass' expertise shines through in vertical processing - optimizing space usage for the glass industry. Ideal for architectural and structural glass production, the company's machines

possess remarkable features and advantages in the vertical glass processing sector. Its founding is rooted in the rich experience of Beniamino Dal Santo, that from over 30 years designs and creates glass processing machinery. Today the Skill Glass brand offers a diverse range of large machines suitable for standalone use and integration into various systems. This includes vertical CNC centres, drilling and milling machines as well as machines for grinding and polishing - even tailor-made solutions. One exceptional product is Skill Pro, a numerically controlled vertical machining line combining a 9-axis

With its innovative, user-friendly solutions that optimize space, SKILL GLASS specializes in high-tech numerical control machines for flat sheet glass processing. Here Skill PRO, E-D 101, Drill 1600FF and Drill 101FF all offer exceptional productivity and precision, just as Skill Sfill expertly arrisses, grinds and polishes glass panes.

grinder (Skill Sfill) and a 6-axis drilling and milling machine (Drill 101FF). This unique setup enables multiple processes within a single system - maximizing pro-

ductivity whilst maintaining precision under numerical control. The line accommodates the processing of flat glass sheets, even in 'oversized' dimensions of 12000 x 3300mm. Here, thanks to Skill Glass' versatile solution, the handling of large slabs becomes both swift and efficient.





KEY ADVANTAGES INCLUDE

- Swift grinding and polishing with two simultaneous heads
- Processing range from 3 to 22mm
- User-friendly software for programming
- Automatic glass dimension reading
- Arrissing of out-of-square pieces
- High-powered spindles
- Faster tool changers
- Maximum guaranteed accuracy
- Excellent polishing quality

VERTICAL CNC CENTRES

E-D 101, a vertical CNC centre, excels at grinding, milling, drilling and polishing rectangular and shaped flat sheet glass. This versatile machine combines vertical drilling and milling technology with vertical grinding features - allowing diverse processes at high speeds and precision. The dual working heads process long sides simultaneously - saving time during grinding and polishing. Tool magazines with 10/12

positions per head are positioned in vertical columns near the working head for swift automatic tool changes. E-D 101 works with 150 mm diamond wheel grinders - suitable for sheet glass- including laminated or treated glass. Polishing is effective on large surfaces with 150 mm wheels and small inserts either 30 or 50 mm in diameter. Opposite heads ensure speedy and precise drilling, with countersinking

using individual diamond-tipped tools or accessories mounted on the drill bits. The vacuum belt system offers significant advantages, guaranteeing drilling and milling without limitations and so enabling continuous operation without wasting time - a significant improvement over suction cups carriage solutions that instead necessitate waiting for finished pieces to unload before loading new ones.



DRILLING AND MILLING

Drill 1600FF represents a five-axis CNC drilling and milling marvel - meticulously designed to produce holes, inserts and counter-sinks on rectangular flat sheet glass with a thickness that ranges from three to 20 mm. This ingenious machine boasts five axes, X Y V Z W, and two electro-spindles acting as opposite drilling heads - creating a very precise, double-sided drilling system. Meanwhile, Drill 101FF stands as a six-axis CNC drilling and milling wonder - expertly engineered for continuous drilling and milling on both rectangular and shaped flat sheet glass. Thanks to its ingenious vacuum belts system it ensures remarkably high-speed cycles - providing unrestricted drilling and milling capabilities, unlike other systems that

face limitations due to suction cups, prohibiting holes or notches. These vertical drilling and milling centres execute operations with optimum speed and precision - all under the seamless

control of numerical management and supported by the convenience of double tool change. Milling on this machine is a swift, straightforward process -

leveraging multiple tools to accomplish precise insert milling and grinding within seconds. The machine also enables delicate polishing of small inserts - employing 50 or 30 mm grinders.





GRINDING, ARAISSING AND POLISHING

Skill Sfill is a vertical centre that specializes in the art of araising, grinding and polishing straight and shaped glass panes. This masterpiece boasts nine axes and two electro-spindles mounted in parallel - empowering simultaneous processing with two heads. Edging and utilizing diamond wheels with a 150 mm diameter prove jointly efficient on both straight and shaped glass - including laminated or treated varieties. Remarkably, Skill Sfill works with unaided precision, accommodating pieces of varying heights, widths and thicknesses without requiring operator intervention. The numerical control manages the entire process - expertly achieving top-quality polishing through several passes and varying pressures of the polishing wheels on the glass.

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