

IT ES EN FR DE

E-D

SKILL GLASS

VERTICAL CNC CENTERS

SKILL E-D
E-D 101
SKILL WASH

E-D



SKILL GLASS

INDEX

This catalog illustrates the functions and capabilities of the machines shown. However, please note that, given the complexity of the models and the variety of services available, some configurations may include specific options. To determine the correct set-up for your machine, please contact our sales and technical staff.

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E-D

A COMPANY, A VERTICAL GLASS TECHNOLOGY SCHOOL



SKILL GLASS

Located in the industrial heart of Alto Vicentino, SKILL GLASS is specialised in the design and production of high-tech vertical processing machines for flat glass. Our solutions, the result of consolidated experience and constant innovation, include vertical grinding, drilling and milling lines, designed for maximum efficiency, reliability and ease of use.

Vertical technology allows the optimisation of spaces and movement, and simplifies the handling of the glass, proving ideal for the processing of large sheets, now increasingly demanded in the industry.

Each machine is developed through a careful design phase, aimed at simplicity of mechanical functions, full automation of processes and low maintenance requirements.

In our headquarters in Schio, we develop flexible modular solutions that can be used in a stand-alone setup or integrated into complete processing lines. Our range of machines, all CNC, includes drilling and milling machines, grinding and polishing machines, combined systems and special custom-designed systems to meet specific production needs.

Thanks to dedicated software, intuitive interfaces and functional design, our machines offer an immediate use and high-performance experience, confirming SKILL GLASS as a reliable partner for glass companies that look to the future with ambition, precision and technological vision.

This catalogue features the **ED Range**, machines that combine multiple processes on flat glass, including **Drilling, Milling, Arrising, Grinding and Polishing**, embodying our experience and continuous commitment to research and cutting-edge solutions for vertical processing.

In addition to our machines in the **E-D range**, we also present the **SKILL WASH** specific washing machine, designed to integrate perfectly in the production cycle. It permits an extraordinary **optimisation of work times**, improving overall productivity and simplifying the operations. The intuitive interface and working software, even when installed in the "in-line" version, also allow it to be used in stand-alone mode. The ease of maintenance and construction quality make it an essential tool for those in need of **uncompromised efficiency**.

Each machine is a perfect blend of innovation, functionality and reliability.

We are here, at your side!

Inside every SKILL GLASS machine you'll find not just technology, but also the genuine passion of people who believe in their work and in customer satisfaction. Each component, detail and function is the result of a daily commitment composed of listening, experience and care. For us, building a system does not only mean offering a technical solution, but **accompanying customers in their journey of growth**, with dedication, professionalism and constant closeness. The care we put into every stage – from design to after-sales support – is the reflection of a value we consider fundamental: **customer centricity**. This is what makes our machines more than mere production tools: they become an **extension of our responsibility and our passion**, designed to last over time and meet the real needs of those who work day-after-day with skill and vision.

We wish you all an enjoyable read and trust that this catalogue will offer you practical ideas to optimise your investments and enhance all aspects of your production process.

to staff Skill Glass



SKILL GLASS

2



1. Cabin 2.2 x 3.0 m with front and rear door for safe access and ample movement.

2. The weight of the glass is always borne by the roller conveyors, even while machining the bottom edge. Both roller conveyors (infeed and outfeed) automatically adjust their height to compensate for the portion removed from the bottom edge. This happens both when the glass travels forward and when it travels back. The weight of the sheet has little or no effect on the movement system and so it does not burden the suction cups. Thus, the glass is positioned much more stably and is free from vibrations, particularly in the case of large sheets.

3. The tool racks are positioned vertically beside the spindle. The 2 tools racks are in a vertical position, right beside the spindles. Each holds 10 or more cones (up to 18 in the 3.3 m version). Their position is protected from water and from dirt. They perform a simple, linear movement of 20 cm, pushed by 3 horizontal pistons, to align with the spindle and allow a fast tool change with no risk of error. This system is designed to eliminate all possible risks caused by long or complex movements. It does not require special maintenance as it moves only along one axis (horizontal) while the spindle moves vertically to deposit the old tool and pick up the new one.

4. The machine allows loading (and unloading) of glass longer than the roller conveyor dimensions. Provided that adequate safety measures are taken, the machine can process glass longer than the roller conveyor dimensions. This is because the roller conveyors and vacuum belts work on the basis of the work program, independently of the length of the glass. Once the glass is supported, the machine then takes it to the vacuum belt zone for clamping and movement during processing.

5. Option of loading the glass onto the outfeed roller conveyor. The machine then takes it to the infeed roller. The absence of suction cup units moving at the back also allows this advantage. The glass can be loaded onto the outfeed roller and the machine then takes it to the infeed roller. This function provides a user-friendly approach in the case of large sheets where there are difficulties due to lack of space or jib crane limitations on the infeed roller conveyor, protecting the operators from difficult or risky operations.

6. Vacuum belts for moving the glass during processing. Four belts fitted with tens of vacuum suction cups, positioned to the left and right of the spindle, they (each) grip around 90 cm of glass. They have a total of 16 selective vacuum zones. With this equipment the machine has no limits with regard to the weight of the sheet! The

vacuum zones are automatically controlled by the software in relation to the position of the glass on them. Where there is no glass, the zone is disabled. It is vibration-free for perfect work. The belts are positioned laterally to the spindles to ensure that the central space is free for processing without interference.

7. The movement of the glass is distributed in a functional and synchronised manner between the rollers and the vacuum belts. Infeed and outfeed of the glass by means of motorised roller conveyors. Once it reaches the work position, and during the processing, the movement of glass is performed by the vacuum belts for safe and precise handling, with no drive or leverage components. Once the processing is completed, the outfeed roller assumes the movement of the glass. At the same time, the infeed roller and belt load the next sheet. This system requires very low maintenance, with minimal costs.

8. The machine has been designed with no rear mechanical structures (suction cups) for moving the glass from the infeed to the outfeed. This is an exclusive advantage of Skill Glass products. Mechanical structures positioned at the rear remain constantly exposed to water, dirt and falling debris, with an inevitable increase in wear and damage to the suction cups and moving

SKILL E-D

WINNING POINTS

4.

mechanical parts. This is a deliberate choice by Skill Glass; it eliminates a lot of maintenance and damage and above all keeps the machine much cleaner.

9.

Possibility of adjusting the working height. The height of the glass loading or unloading roller conveyors can be adjusted to meet specific needs. This is normally required when connecting to an existing machine line with a non-standard working height. The roller height automatically and electronically adjusts upwards or downwards to reach different loading heights, in line with the height of the next machine.

10.

High-tech anti-vibration and Low-E processing systems. The machine is equipped with 8 vertical anti-vibration stabilising bars (4 in front and 4 behind) with rollers to stabilise the glass during processing. The rollers on the Low-E version are made with special silicon, specifically designed and produced for this purpose so that the glass coating is not damaged.

11.

High-power, interchangeable double spindle. The machine is equipped with 2 identical 10kW spindles (front and rear) that can perform all the machine's functions. This provides fully interchangeable spindle

11

processing whenever one of them is not available (after modifying the work program). For processing of glass up to 30 mm in thickness, the 14 kW version is required.

12.

Automatic machine shutdown operations. **Automatic washing.** When the machine has ended its work, the operator can start the automatic washing function for parts subject to contact with water and dust. The two spindles are automatically activated and spray high-pressured water on the vacuum belts (which are put into motion) and, rising to the top, on the presser and stabiliser rollers. **Draining of the internal water circuit.** When work is ended, the machine drains the water from the line of the two spindles. This operation, which immediately follows the automatic washing, is performed by means of compressed air, until the two circuits involved are completely drained. **Mechanical moving parts and services.** When work is ended, the machine moves all the mechanical parts. This helps keep all mechanical moving parts and services functioning properly, to prevent blockages or errors in the case of infrequent use by the customer.

13.

Automatic lubrication - Automatic grease dispenser. Grease distribution to the various lubrication points is done automatically. The system features a single grease tank, a centralised pumping system and peripheral

distribution blocks to reach over 50 automatic greasing zones.

14.

Automatic measurement of bit lengths and wheel diameters selected by the operator or automatically based on a pre-determined number of uses.

15.

Possibility to use a bar code reader via cable or WiFi. DXF file import software for transcoding in the work program and a water recovery and recirculation system if the machine is not connected to a central system.

6.

7.

PREMIUM CLASS

“People don't buy what you do: they buy why you do it.
And what you do simply proves what you believe”

(Simon Sinek)

SKILLUM D

PREMIUM CLASS

PRESENTATION



**HIGH-TECH,
HIGH
PERFORMANCE
VERTICAL
MACHINING
CENTRE
FOR GLASS
PROCESSING.**

SKILL E-D

is a high-tech vertical machining centre designed to integrate, in a single, highly versatile machine, multiple processing operations on flat, laminated or multi-layer laminated, and low emissivity (Low-E) glass, with either shaped or straight edges. This all-in-one solution effectively combines drilling and milling with grinding, araising and polishing functions, ensuring maximum precision and operating speed. Designed with a particularly robust and solid structure, SKILL E-D is optimised to work with large vertical sheets, machining glass of different thickness, depending on the setup, from **3 to 30 mm**, and handling sizes of up to **12,000 x 3,300 mm**.

Twin Head Technology (THT) is a characteristic feature of all the equipment in the E-D Range. It comprises simultaneous use of two functionally interchangeable heads (front and rear), enabling the machine to quickly and efficiently perform different processes, both in simultaneous mode (e.g. edge machining) or sequential/synchronised mode (milling with the front head + grinding with the rear head).

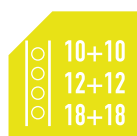
One of the main strengths of SKILL E-D, and of the E-D range in general, is its high **operational versatility**. The machine integrates perfectly in complex production lines (such as IG systems), and is also perfect for use in stand-alone mode, for independent processing. In the latter case, it can be easily combined with a washing machine, for the creation of specific products, even in smaller formats, such as shower doors or parapets, depending on the individual order requirements.

As with all **Skill Glass** models, SKILL E-D is also distinguished by its **innovative glass support and conveyor system**, described in detail in the Winning Points section. The motorised support rollers ensure smooth and safe movement. They guide the sheet in the work zone, relying on vacuum belts for the clamping and movement of the glass during processing.

The stainless steel casing is a distinctive feature of this line. It not only gives it a highly aesthetic and prestigious appearance, but is also an essential structural element, ensuring strength and durability over time.



PREMIUM_{CLASS}



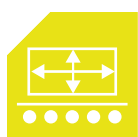
1.
DOUBLE TOOLS RACK
WITH 10-12-18 POSITIONS



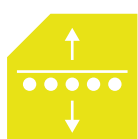
6.
TOOL MEASUREMENT AND
SHARPENING



2.
9 AXIS NUMERIC CONTROL



3.
AUTOMATIC GLASS
DIMENSIONS READER
WITH TOUCHING EDGE
FUNCTION



4.
ENTRY AND EXIT CONVEYOR
WITH MOVEMENT TO
COMPENSATE
THE GLASS REMOVAL



5.
AUTOMATIC LUBRICATION

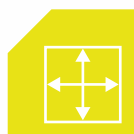


SKILLED_{CLASS}

SKILL E-D



7
SPACEFUL AND SAFE CABIN
MEASURING 2.2X3.0 m



8
4-BELT GLASS GRIPPING
AND HANDLING SYSTEM
WITH SELECTIVE VACUUM



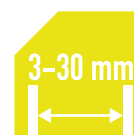
9
LOW-E GLASS
PROCESSING SYSTEM



10
NO LIMITATION
ON THE WEIGHT
OF THE GLASS PANE



11
PROCESSING GLASS
WITH THICKNESSES
FROM 3 mm TO 30 mm



12
2 COAXIAL 10 kW
ELECTRIC SPINDLES
(14 kW FOR GLASS
UP TO 30 mm)



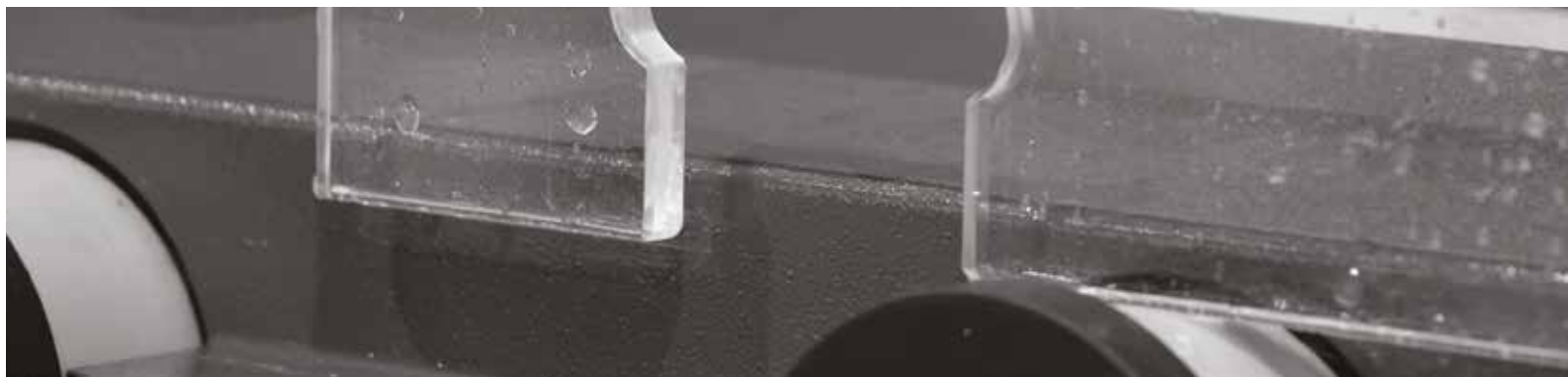
13
MACHINE CARTERS
IN STAINLESS STEEL



PREMIUM CLASS

8

PROCESSING



SKILL E-D

The machine is equipped with 2 electro-spindles, each with 10kW of power (14 kW for thicknesses of over 22 mm), which drive 150 mm-diameter wheels housed in a dedicated rack positioned vertically beside the spindles.

The machine, software and mechanics are all designed around the concept of two equally powered spindles that can be interchanged for all functions as required.

A single spindle is potentially capable of handling all the processing; the presence and synchronised operation of the rear spindle notably reduces the time involved.

Conventional drilling/countersinking operations are performed using both spindles, but it is worth noting that sequential/synchronised machining programs can be used for milling operations, with the spindles fitted with different tools, e.g. for milling with the front spindle, immediately followed by grinding with the rear spindle, with no need for a tool change.

The machine can be equipped with an axis dedicated to automatic detection of the glass dimensions, combined with an "edge tracking" or "gauge" function, which allows the wheel to follow the edge as it is cut, even when slightly out of square.

The machine may include a system for machining low-emissivity (Low-E) glass and glass with special surface treatments.

The operating solutions made possible by the machine play an important role. Although they offer indirect advantages, they are properly part of the specific design choices and technical architecture of the machine.

They include:

REVERSE LOADING MODE

THE PROCESSING OF SHEET DIMENSIONS GREATER THAN THE LENGTH OF THE ROLLER CONVEYORS

AUTOMATIC ADJUSTMENT OF THE GLASS OUTFEED HEIGHT FOR ALIGNMENT WITH MACHINES OF DIFFERENT HEIGHT

The following is a detailed list of the processes the machine can perform:

1. GRINDING

Is carried out using 150 mm-diameter diamond wheels and can be done on glass with straight or shaped edges, even if layered or treated. Grinding operations involve the use of both heads (front and rear) except on shaped edges, where the work must be done solely with the front spindle.

2. POLISHING

Can be carried out both on large surfaces with 150 mm-diameter wheels and on small cut-outs with 50 or 30 mm-diameter wheels.

3. DRILLING

Thanks to the coaxial heads on either side, drilling is done with the greatest speed while always ensuring perfect and precise holes.

4. COUNTERSINKING

Can be done either with individual diamond tools and adjusted by the program based on the customer's needs, or with accessories fitted on diamond drill bits.

5. MILLING

Thanks to the extreme robustness and precision of the system, milling becomes a fast and simple operation.

6. COMBINED MILLING AND GRINDING

With the multi-function tools a cut-out can be milled and ground in a few seconds. Alternatively, if the dimensions of the cut-out allow it, the milling can be done with the front spindle, immediately followed by grinding with the rear spindle, in order to protect the differentiated wear of the multi-function tools.



SKILL E-D



Machine dimensions with roller conveyors (other sizes available)

3000 X 2000

L 8500 mm
I 3000 mm
h 3275 mm

4500 X 2600

L 11400 mm
I 3000 mm
h 3920 mm

6000 X 3300

L 14400 mm
I 3100 mm
h 4650 mm

Machine carters

INOX

Basement structure

Galvanized and painted steel

Minimum glass size that can be processed

600 X 300 mm

Maximum glass size that can be processed

3000 X 2000 mm

4500 X 2600 mm

6000 x 3300 mm

Minimum glass thickness allowed

3 mm

Maximum glass thickness allowed

30 mm

Working height from the ground (other sizes are available on request)

620 mm

Feed and working speed

0 - 35 m/min.

Standard electrical connection (other on request)

400 V 50 HZ

Power installed in standard configuration

30 kW

Electric spindle power (nr. 2)

10 KW (13.6HP)

Electric spindles (2) power for machining thicknesses up to 30 mm.

14KW (19.0HP)

Electro-spindle rotation speed with internal tool cooling

0-12.000 rpm

Numerical control

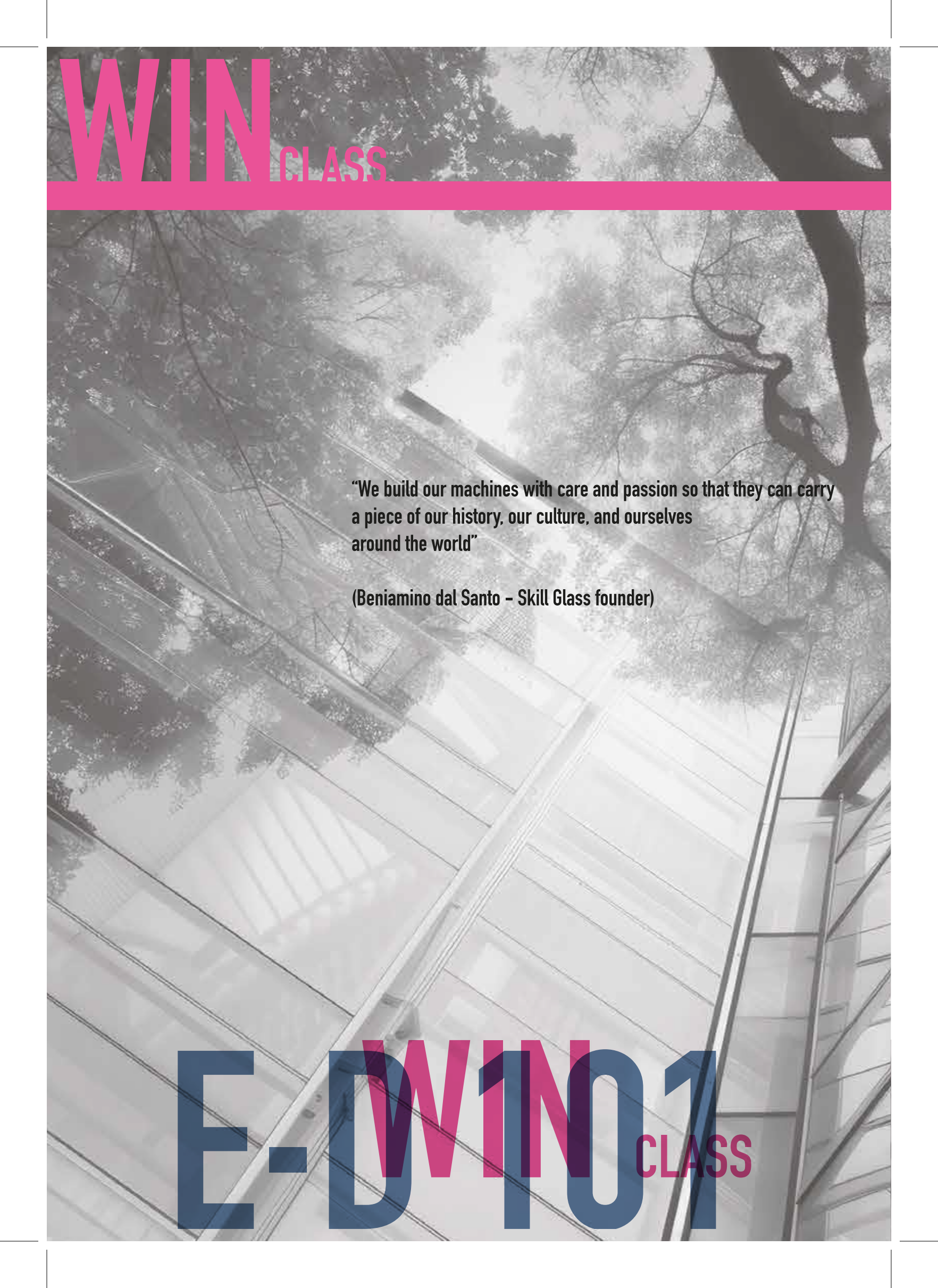
9 AXES

Standard automatic tool change stations (front/rear/optional)

10 / 10 - 18 /18

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SKILL GLASS



WIN CLASS

“We build our machines with care and passion so that they can carry a piece of our history, our culture, and ourselves around the world”

(Beniamino dal Santo – Skill Glass founder)

E-DWIN1 CLASS

PRESENTATION



**“THIS MACHINE
IS A TRUE
MULTIFUNCTION:
THE BEST
MULTIPURPOSE
VERTICAL CNC
MACHINE
CURRENTLY ON
THE MARKET”**

E-D 101

E-D 101 is a high-tech vertical work centre designed to integrate, in a single, highly versatile machine, numerous processing operations on flat, laminated or multi-laminated and low emissivity (Low-E) glass, with shaped or straight edges. This all-in-one solution effectively combines drilling and milling with grinding, araising and polishing functions, ensuring maximum precision and operating speed.

The E-D 101 is built with an **extremely robust and stable structure**, designed to offer the greatest application versatility. It is available in different height configurations (2.0 – 2.6 – 3.3 metres) and can be fitted with roller conveyors varying in length from 2.5 up to 6.0 metres. Fully adaptable to the widest range of production needs, the E-D 101 stands out for its capacity to handle **large batches with repetitive cycles**, as well as **dynamic sequences** with different formats and processing, while always maintaining high operating efficiency. It handles thicknesses from 3 to 21 mm, while providing **practical programming**, flexible batch management and reliability even in the most complex production situations.

Twin Head Technology (THT) is a characteristic feature of all the equipment in

the E-D Range. It comprises simultaneous use of the two functionally interchangeable heads (front and rear), enabling the machine to quickly and efficiently manage different types of processing, both in simultaneous mode (e.g. edge machining) or sequential/synchronised mode (milling with the front head + grinding with the rear head).

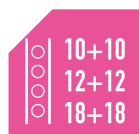
One of the main strengths of the E-D 101, and of the entire E-D Range in general, is its high operational versatility. The machine lends itself perfectly to integration in complex production lines (such as IG systems), as well as to use in stand-alone mode, for independent processing. In the latter case, it can be easily combined with a washing machine for the creation of specific products, even in smaller formats, such as shower doors or parapets, depending on the individual order requirements.

As with all Skill Glass models, E-D 101 also stands out for its innovative **glass support and conveyor system**, described in detail in the Winning Points section. The motorised support rollers ensure smooth and safe movement: they guide the sheet in the work zone, relying on vacuum belts for the clamping and movement of the glass during processing.

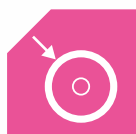
The casing is made from metal sheets with an anti-corrosion protective treatment and powder coating.



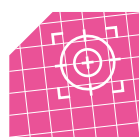
WIN CLASS



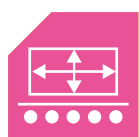
1. DOUBLE TOOLS RACK
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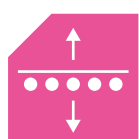
4. TOOL MEASUREMENT AND
SHARPENING



2. 9 AXIS NUMERIC CONTROL



3. AUTOMATIC GLASS
DIMENSIONS READER
WITH TOUCHING EDGE
FUNCTION



4. ENTRY AND EXIT
CONVEYOR WITH MOVEMENT
TO COMPENSATE THE GLASS
REMOVAL



5. AUTOMATIC LUBRICATION

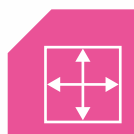


E-DWIN 101 CLASS

E-D 101



SPACEFUL AND SAFE CABIN
MEASURING 2.2X3.0 m



LOW-E GLASS
PROCESSING SYSTEM



2-BELT GLASS GRIPPING
AND HANDLING SYSTEM
WITH SELECTIVE VACUUM
(4-BELT SYSTEM IS
AVAILABLE)



PROCESSING OF GLASS
SHEETS UP TO 300 KG
(NO LIMITATION
WITH 4 BELTS)



PROCESSING GLASS
WITH THICKNESSES
FROM 3 mm TO 30 mm



2 COAXIAL 10 kW
ELECTRIC SPINDLES
(14 kW FOR GLASS
UP TO 30 mm)



PROCESSING



E-D 101

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The machine, software and mechanics are all designed around the concept of two equally powered spindles that can be interchanged for all functions as required. A single spindle is potentially capable of handling all the processing; the presence and synchronised operation of the rear spindle notably reduces the time involved. Conventional drilling/countersinking operations are performed using both spindles, but it is worth noting that sequential/synchronised machining programs can be used for milling operations, with the spindles fitted with different tools, e.g. for milling with the front spindle, immediately followed by grinding with the rear spindle, with no need for a tool change.

The machine can be equipped with an axis dedicated to automatic detection of the glass dimensions, combined with an "edge tracking" or "gauge" function, which allows the wheel to follow the edge as it is cut, even when slightly out of square.

The machine may include a system for machining low-emissivity (Low-E) glass and glass with special surface treatments.

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They include:

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Can be carried out both on large surfaces with 150 mm-diameter wheels and on small cut-outs with 50 or 30 mm-diameter wheels.

3. DRILLING

Thanks to the coaxial heads on either side, drilling is done with the greatest speed while always ensuring perfect and precise holes.

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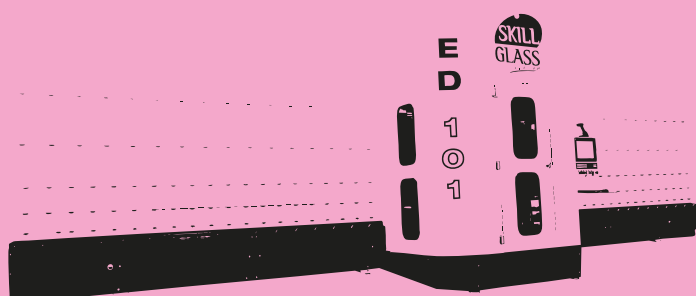
5. MILLING

Thanks to the extreme robustness and precision of the system, milling becomes a fast and simple operation.

6. COMBINED MILLING AND GRINDING

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E-D 101



Machine dimensions with roller conveyors (other sizes available)

3000 X 2000

L 8500 mm
I 3000 mm
h 3275 mm

4500 X 2600

L 11400 mm
I 3000 mm
h 3920 mm

Machine carters

Painted steel

Basement structure

Galvanized and painted steel

Minimum glass size that can be processed

600 X 300 mm

Maximum glass size that can be processed

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Minimum glass thickness allowed

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Maximum glass thickness allowed

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Working height from the ground (other sizes are available on request)

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Feed and working speed

0 - 35 m/min.

Standard electrical connection (other on request)

400 V 50 HZ

Power installed in standard configuration

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Electric spindle power (nr. 2)

10 KW (13.6HP)

Electric spindles (2) power for machining thicknesses up to 30 mm.

14KW (19.0HP)

Electro-spindle rotation speed with internal tool cooling

0-12.000 rpm

Numerical control

9 AXES

Standard automatic tool change stations (front/rear/optional)

10 / 10 e 12 /12

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E-D 101 CLASS

PREMIUM CLASS

16

SKILL WASH PRESENTATION



HIGH-TECH VERTICAL WASHING MACHINE FOR WASHING AND DRYING FLAT GLASS, WITH STRAIGHT OR SHAPED EDGES.

SKILL WASH

is the ideal solution for washing sheets of glass, combining **versatility, reliability and superior performance**. Designed to adapt to a wide range of applications, it can be used both in line (e.g., in production or double-glazing plants) or as a **stand-alone unit**.

Main characteristics:

COMPLETE PROCESS

high performance pre-wash, washing with 4 or 6 brushes and drying, with a dedicated quality control zone.

FLEXIBLE CONFIGURATIONS

available with washing sections for heights of 2.0, 2.6 and 3.3 metres, it offers numerous customisation options for the length and configuration of the roller conveyors.

MODES

available in the complete version, with infeed and outfeed rollers, or with a single outfeed roller conveyor for integration with existing machines.

INTUITIVE TECHNOLOGY

it is controlled by a **latest generation PLC**, with a simple and intuitive **touch screen panel**, suitable even for operators with minimum experience. All the work

parameters and cycles are easy to monitor and adjust. Thanks to its solid structure and advanced technology, **SKILL WASH** ensures impeccable washing results, maximum efficiency and ease of use, establishing itself as an industry benchmark for quality and innovation.

The **SKILL WASH** vertical washing machine is designed to offer maximum performance in terms of quality, efficiency and automation. Each component is studied to ensure ease of use, reliability and operational flexibility:

STRUCTURE AND ACCESSIBILITY

robust metal technical processing zone, 2.5 m in size (2.9 m for 6-brush models), front doors that are easy to remove.

QUALITY COMPONENTS

machine chassis made entirely from stainless steel, four or six-brush configuration, high-pressure fan, stainless steel outfeed frame with integrated lighting.

SMART TECHNOLOGIES

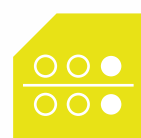
ergonomic control station, full in-line compatibility, automatic thickness detection, low emissivity (Low-E) glass sensors.

ADVANCED FUNCTIONS

SMS (Multi Station Unloading) technology. You can choose between 2 or 3 unloading and automatic rewashing function.



SKILL WASH



1. 4 TO 6 WASHING ROLLERS



4. WATER HEATER WITH THERMOSTATS

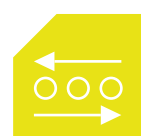
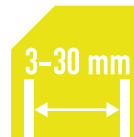


2. AUTOMATIC GLASS THICKNESS READING AND DETECTION OF SURFACES WITH SPECIAL TREATMENTS

6. INOX STAINLESS STEEL MACHINE BODY

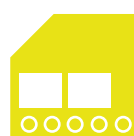


7. GLASS WASHING FROM 3 mm TO 30 mm

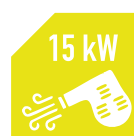


3. BIDIRECTIONAL CONVEYOR MOTORS AND REWASH FUNCTION

5. SMS FUNCTION (MULTI-STATION UNLOADING)



8. 15 KW HEATER/BLOWER WITH SELF-REGULATING ACTIVATION



PROCESSING



SKILL WASH

1 Prewash Section Protection and Quality on First Contact

Prewash is an essential phase in the cleaning process, designed to uniformly moisten the glass and to remove more stubborn dirt remaining from previous processes. This section is equipped with high-efficiency nozzles, fed by a constantly clean water circuit, for effective preliminary rinsing before the glass passes under the brushes.

The main benefits include:

- Greater final wash quality, thanks to the prior removal of dust, residues and impurities;
- Protection of the brushes, which only come into contact with pretreated surfaces, thereby reducing wear and maintenance needs;
- Operational efficiency, as the general performance of the machine is preserved over time.

The prewash section is therefore essential to ensure a safer, more effective and longer-lasting cleaning process.

2 Washing Section Precision, Efficiency and Reliability

The glass sheets are washed by means of 4 or 6 high-efficiency 180 mm diameter brushes, designed to ensure thorough cleaning without compromising the fragility of the treated material.

The collection and recirculation tanks are equipped with temperature sensors that optimise the heater power and enable smart water regeneration management, leading to energy savings and operational sustainability.

The brush motors and drives are installed in the upper part of the cabin, a design solution that ensures protection from spraying water and maximum accessibility for routine maintenance operations.

The brushes are of different types depending on their position:

- Rear brushes: 0.30 mm bristles, ideal for larger residues;
- Front brushes: 0.15 mm bristles, specifically designed for a delicate and precise finish.

This setup allows progressive and uniform cleaning, reducing surface wear and providing consistent results even on delicate glass or glass with surface coatings.

3 Drying Section Speed, Efficiency and Quietness

The sheets are dried by a high-pressure system consisting of a powerful fan that feeds a pair of stainless steel blowers, designed to ensure complete, rapid and uniform drying on glass of any size.

The system is optimised by a smart automatic actuator, which regulates the fan operation based on the incoming glass flow and the selected work program. This function avoids the risk of continuous switching on and off, helping to reduce energy consumption and optimise cycle times.

To ensure a quieter and more comfortable working environment, the fan is housed in a soundproof box, which significantly reduces noise emissions without compromising performance.

4 Outfeed Quality Control Visual Inspection

The outfeed roller conveyor has an integrated lighting system with strategically positioned lights, which allows a quick and accurate visual inspection of the glass sheets at the end of the washing cycle. This configuration allows you to check the washing quality directly on the line, without interrupting the work flow.



SKILL WASH



Machine dimensions including inlet and outlet roller conveyors,
for machine with 2 brush units (other sizes available)

3000 X 2000

L 9250 mm
I 3000 mm
h 3100 mm

4500 X 2600

L 12250 mm
I 3000 mm
h 3600 mm

6000 X 3300

L 15250 mm
I 3000 mm
h 4330 mm

Machine carters	INOX		
Basement structure	INOX		
Minimum washable glass dimensions	500 X 150 mm		
Maximum washable glass dimensions	3000 X 2000 mm	4500 X 2600 mm	6000 x 3300 mm
Minimum permissible glass thickness	3 mm		
Maximum permissible glass thickness	30 mm		
Maximum loadable weight of glass to be washed	Without weight limits		
Working height from the ground (other sizes available on request)	620 mm		
Number of washing sections (standard/optional)	2 / 3		
Total number of brushes (standard/optional)	4 / 6		
Brush diameter	180 mm		
Brush bristle diameter (front/rear)	(mm) 0,15 / 0,30		
Automatic and motorized brush pressure adjustment	YES		
Automatic low-emissivity glass (Low-E) detection	YES		
Automatic control system between the entered value and the detected thickness	YES		
Self-regulating heater for washing water	YES		
Quality control lights on the exit roller conveyor	YES		
Glass pre-washing system	YES		
Drying with 2 blowers / kW of blower power	SI / 15 kW		
Glass entry side / Glass exit side	At the customer's discretion		
Installed power	28,5 kW		
Standard electrical connection (other on request)	400 V 50 HZ		

SKILL GLASS SRL declines all responsibility for any incompleteness of the information provided in this publication or for any errors it may contain. The company also reserves the right to make changes of any kind to one or more products at any time and without prior notice, as well as to discontinue their production.

SKILL WASH

CLASS

ASSISTANCE – SERVICES



**GUIDED
BY THE GENUINE
PASSION
OF PEOPLE WHO
BELIEVE IN THEIR
WORK AND IN
CUSTOMER
SATISFACTION.**

EVOLVED AFTER-SALES MANAGEMENT WITH SERVICE-CRM PLATFORM PARTS SERVICE

1 To ensure efficient and prompt support, SKILL GLASS uses a dedicated platform based on a Service-CRM system for the integrated management of its after-sales services. This tool allows us to precisely monitor and manage all customer requests, with particular attention to the supply of materials and parts, ensuring rapid, traceable and professional support.

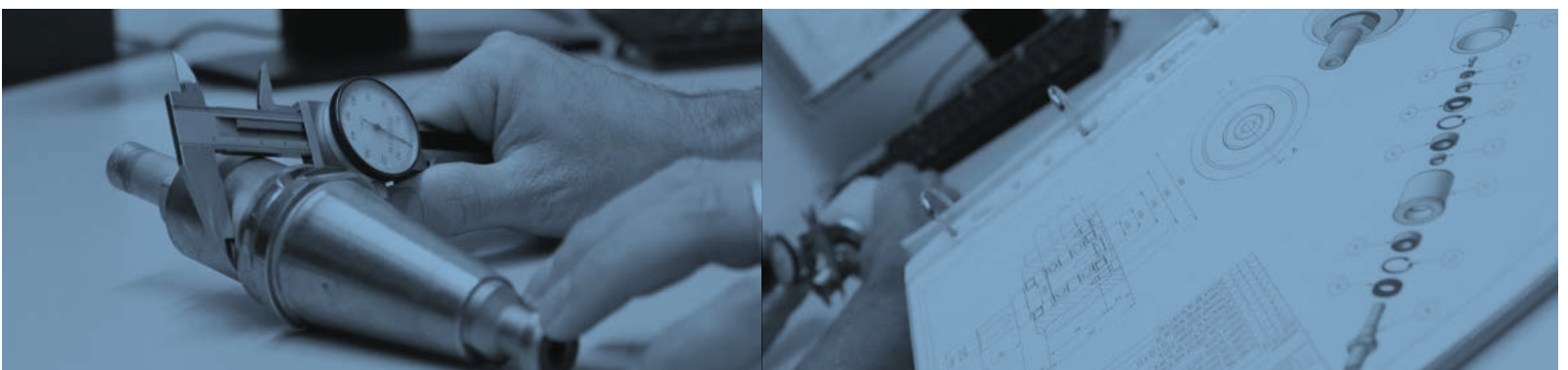
AFTER-SALES SUPPORT MANAGED IN AN INTEGRATED AND EFFICIENT MANNER

2 SKILL GLASS makes use of an advanced platform based on a Service-CRM system for integrated management of after-sales activities. This tool allows us to precisely monitor all support requests, ensuring prompt and effective interventions. Thanks to the support of our multi-lingual staff, we are able to communicate directly with

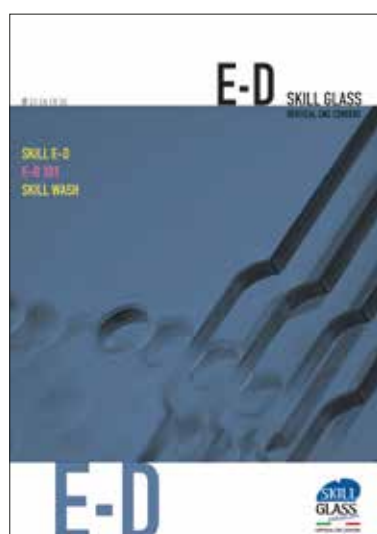
customers all over the world, offering an accessible and professional service. The direct remote support connection with our systems allows us to quickly intervene, reducing machine downtime and improving operational efficiency. The entire management through Service-CRM ensures constant control of the status of requests, with the punctuality and reliability that distinguish our service.

PROFESSIONAL TRAINING FOR OPTIMAL USE OF THE SYSTEM

3 SKILL GLASS focuses great attention on the preparation of the customer's operating staff. The purchase of a system includes a high-level technical training service, designed to transfer all the necessary skills and fully exploit the machine's potential, in a safe, efficient and autonomous manner right from the start.



OUR CATALOGS



PREMIUM CLASS CNC

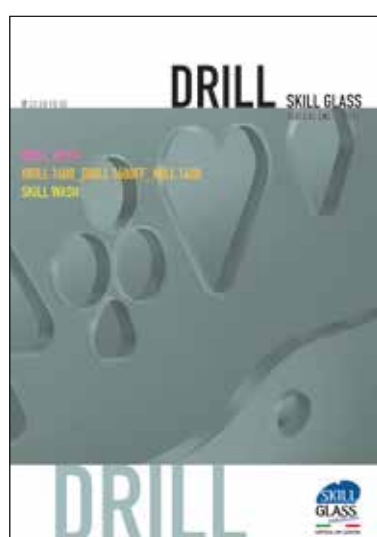
SKILL E-D

WIN CLASS

E-D 101

PREMIUM CLASS WASHING

SKILL WASH



WIN CLASS

DRILL 101FF

CORE CLASS

DRILL 1600 - DRILL 1006FF - MILL 1600

PREMIUM CLASS WASHING

SKILL WASH



PREMIUM CLASS CNC

SKILL SFILL

WIN CLASS

SFILL 101ML - SFILL 101

PREMIUM CLASS WASHING

SKILL WASH

SKILL GLASS

MADE IN ITALY



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