

Biesse
Machinery

Product Portfolio

Product Portfolio



Founded in Italy in 1969
International natives

We are an international company that manufactures lines, machinery and components for making products, enhancing the potential of a wide range of materials.

Thanks to our rooted competence nurtured by an ever-growing worldwide network, we support your business evolution - empowering your imagination.

Master of materials

We simplify your
manufacturing process
to make the potential
of any material shine

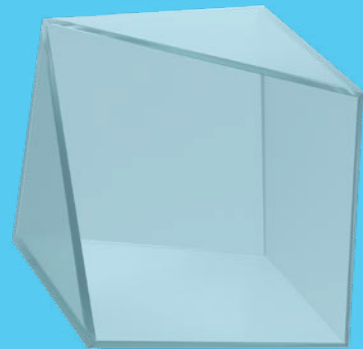
Entra nel
mondo Biesse.

[biesse.com](https://www.biesse.com)



Glass

We manufacture glass processing machines for the furniture, construction and automotive industries.



Discover
all our machines
for glass



[biesse.com](https://www.biesse.com)

Intermac

Machines

Forvet

Extended Machines

Identify in a few words
the most suitable machine
for your needs from
our product portfolio.

Machining type

Cut Cutting

Edge Edging

Drill Drilling

Multi Multi-machining

Segment

Pro Distinctiveness and performance

Up Agility and expertise

Go Simplicity and compactness

Intermac

Intermac is a pioneer in the world of glass processing.

It is a comprehensive range of stand-alone machines, designed to work in perfect synergy with the operator, where human skill and experience is combined and enhanced, thanks to the coordinated and efficient management of each machining phase.

Intuitiveness, simplicity and flexibility are the foundations upon which the entire process is built.



Forvet

Forvet is a leader in the world of automatic machines for glass processing.

These machines feature integrated automation, designed to offer a high level of autonomy during processing whilst minimising operator intervention.



Machining Types

A machining operation
for every requirement

The machining types represent the different kinds of machining operation, and define the specific end purpose or application of an operation.

Cut

Cutting

Range of cutting tables and water jet solutions for cutting float and laminated glass

Edge

Edging

Range of solutions for grinding and polishing glass.

Drill

Drilling

Range of solutions for boring, countersinking and milling glass.

Multi

Multi-machining

Range of machining centres for carrying out different types of boring, grinding, polishing, scoring and countersink operations on glass.

Segment

Your needs,
our skill

Your daily challenges feed our experience, as they enable us to get to know your requirements, your production dynamics and your spaces.

In order to respond to your needs, we have designed a portfolio of products to guide you in the most appropriate choice.



Distinctiveness and performance

Pro represents excellence in terms of performance, designed for customers who wish to distinguish themselves with the latest-generation solutions that they choose.



Agility and competence

The perfect choice for managing custom production requirements. The Up solutions combine advanced flexibility and functionality, guaranteeing efficient responses to constantly-evolving production challenges.



Simplicity and compactness

The Go solutions are designed for those looking for compact, easy-to-install machines that are simple to use. Ideal for those looking for a practical, immediate approach.

Edging

Range of solutions for grinding and polishing glass.

Edge

Discover
all our edging
machines



biesse.com

Single sided

Product Brand	Model	Segment
Intermac	Intermac Edge Pro S B50	Pro
	Intermac Edge Pro S F50	Pro
	Intermac Edge Up S B35	Up
	Intermac Edge Up S F50	Up
	Intermac Edge Go S F35	Go

Double sided

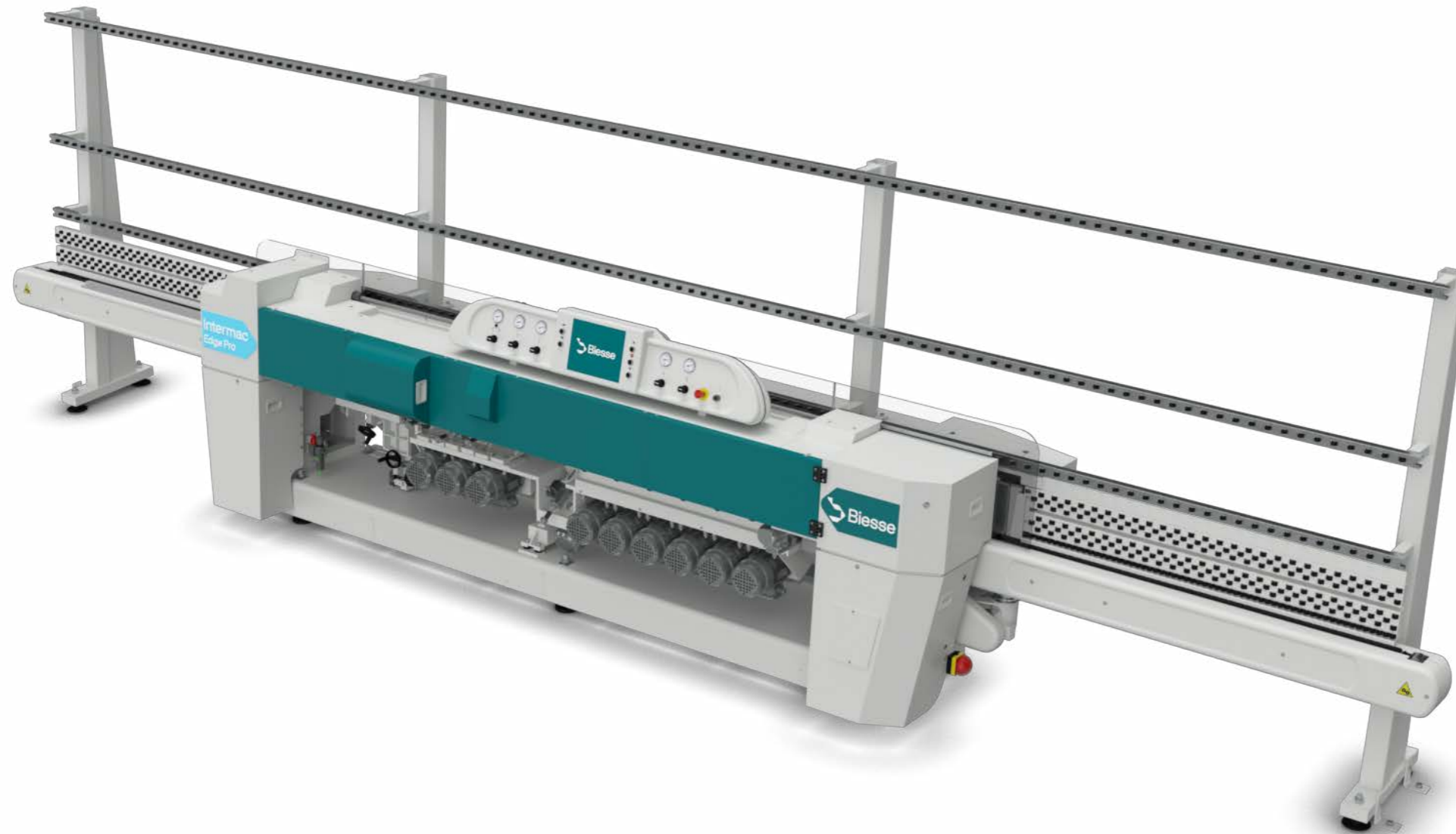
Product Brand	Model	Segment
Intermac	Intermac Edge Pro D F	Pro

Quadruple Sided

Product Brand	Model	Segment
Intermac	Intermac Edge Pro Q 408	Pro
	Intermac Edge Pro Q 410	Pro
	Intermac Edge Pro Q 210	Pro

Intermac

Intermac Edge Pro S B50



The top of the range

The choice of those companies producing beveled glass at industrial levels.

Thanks to the number of wheels and their configuration, it is possible to achieve astounding results in terms of quality and productivity, aspects that have always distinguished our machines in the field of straight-line beveling.

Guaranteed response: Remote Assistance you can rely on

Remote assistance packages ensure fast technical response times and seamless. Machine Connectivity services to keep your operations running smoothly.



Beveling at highest levels

9 beveling wheels set for the most demanding production.

Without ball bearing to last longer

Our historically tested and long-lasting system.

Change the beveling angle

The worm screw system allows precise bevel angle adjustment via human machine interface.

Wide color touchscreen monitor

Bevel calculation, machine automatic positioning, fast trouble-shooting.

Extendable pads

Our way of processing small pieces beveling.

Glass in, glass out

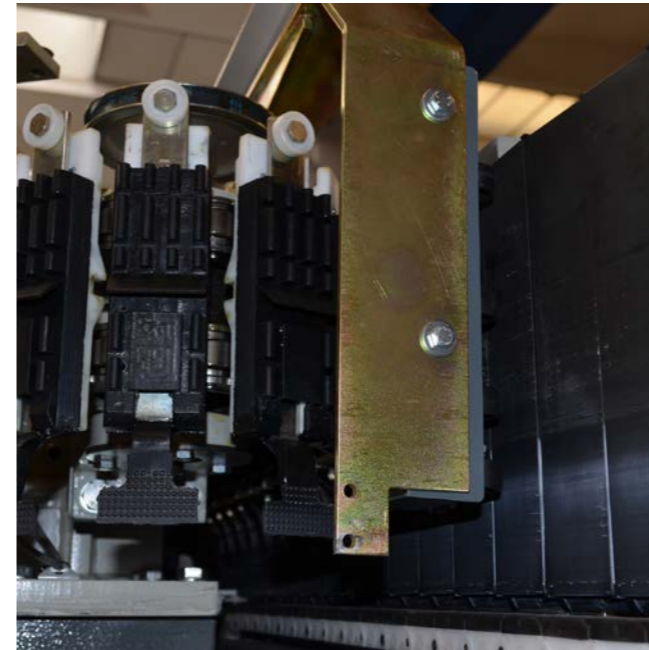
Conveyors chains are designed to be easily maintained.

Centralized lubrication

Automatic centralized lubrication of the conveyor.

Beveling at highest levels

With the richest wheel configuration in the range, it allows achieving high-quality standards, top processing speed, and a significant increase in productivity. Available in 2 versions for the processing of the remaining edge.



Without ball bearing to last longer

It consists of ground precision guides on which rubber-coated cast iron conveyors run, without ball bearings, ensuring low maintenance costs and excellent performance.



Change the beveling angle

Set by the operator via human machine interface, the bevel angle is adjusted with extreme precision thanks to the worm screw system, thus avoiding potential errors due to manual intervention.



Glass in, glass out

The glass transportation on inlet and outlet arms is by means of Delrin made chains combined with rubber anti-friction pads. All parts can be easily replaced, ensuring low maintenance cost and fast change.

Cooktops

It's for everyone, but not everyone is up to it. Every minute is worth the result. Just brilliant!



Beveled mirror

We have been absolute pioneers in beveling, taking amazing mirror samples in exhibitions all over the world.

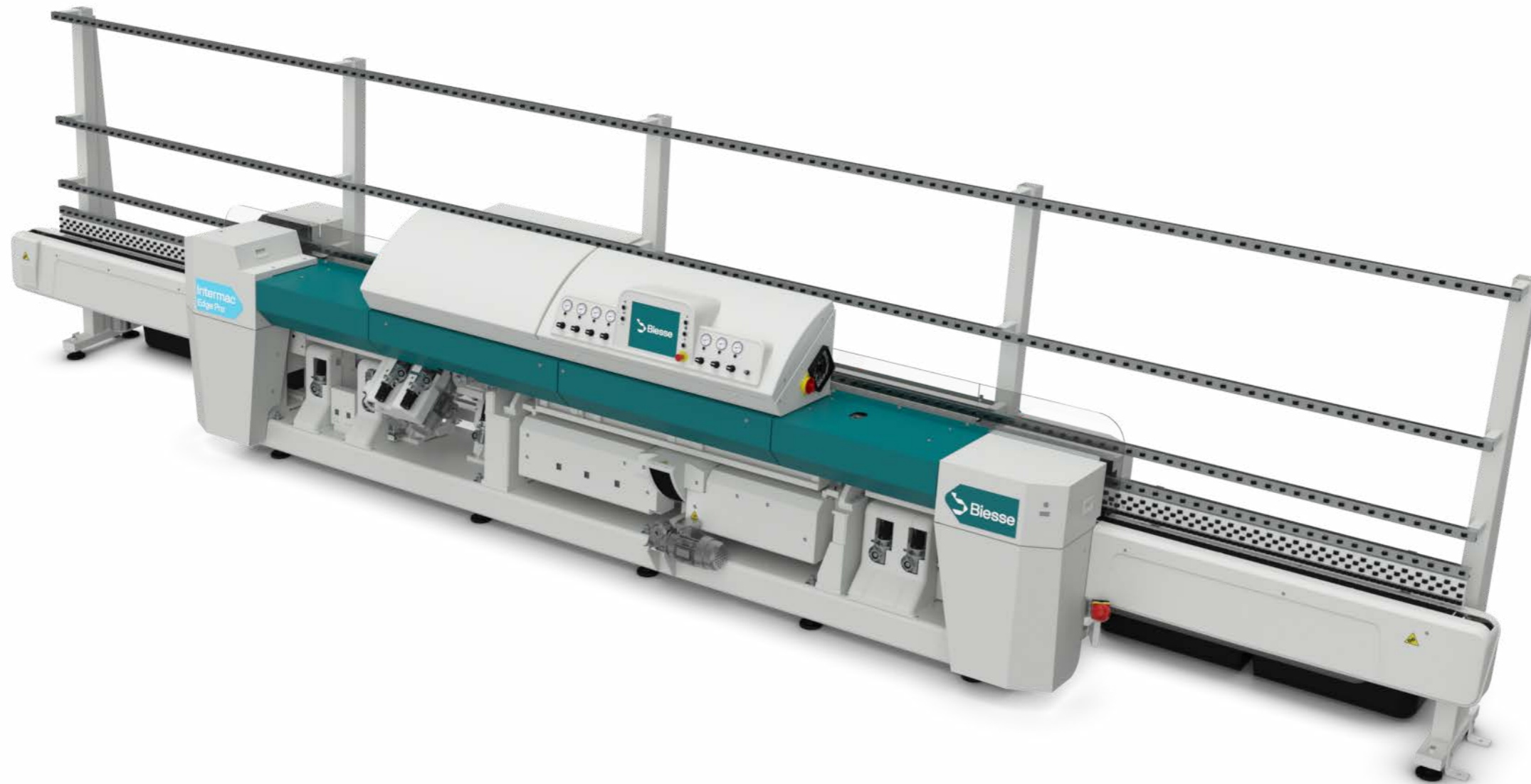


Furnishings

Even the most creative applications take shape with our machinery.

Intermac

Intermac Edge Pro S F50



Everything is BEST

Up to 14 tools for the best machining result. Variable cutting angle from 0 to 45°, SCS spindle control system for the most complete and high-performance machine on the market.

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Spindle Control System

Motorized diamond, polishing spindles fit with proportional valves.

Heavy duty tasks are not a challenge

Double-drive conveyor, granting optimum synchronization of glass transport and increased mechanical performance.

Performance with low running costs

Conveyor pads sliding on rectified steel guide-rails without ball bearings.

Smooth and vibration free

High glass finishing quality: the spindles separated from the electrical motors and connected to same through a transmission belt, avoiding vibration.

Jumbo mode

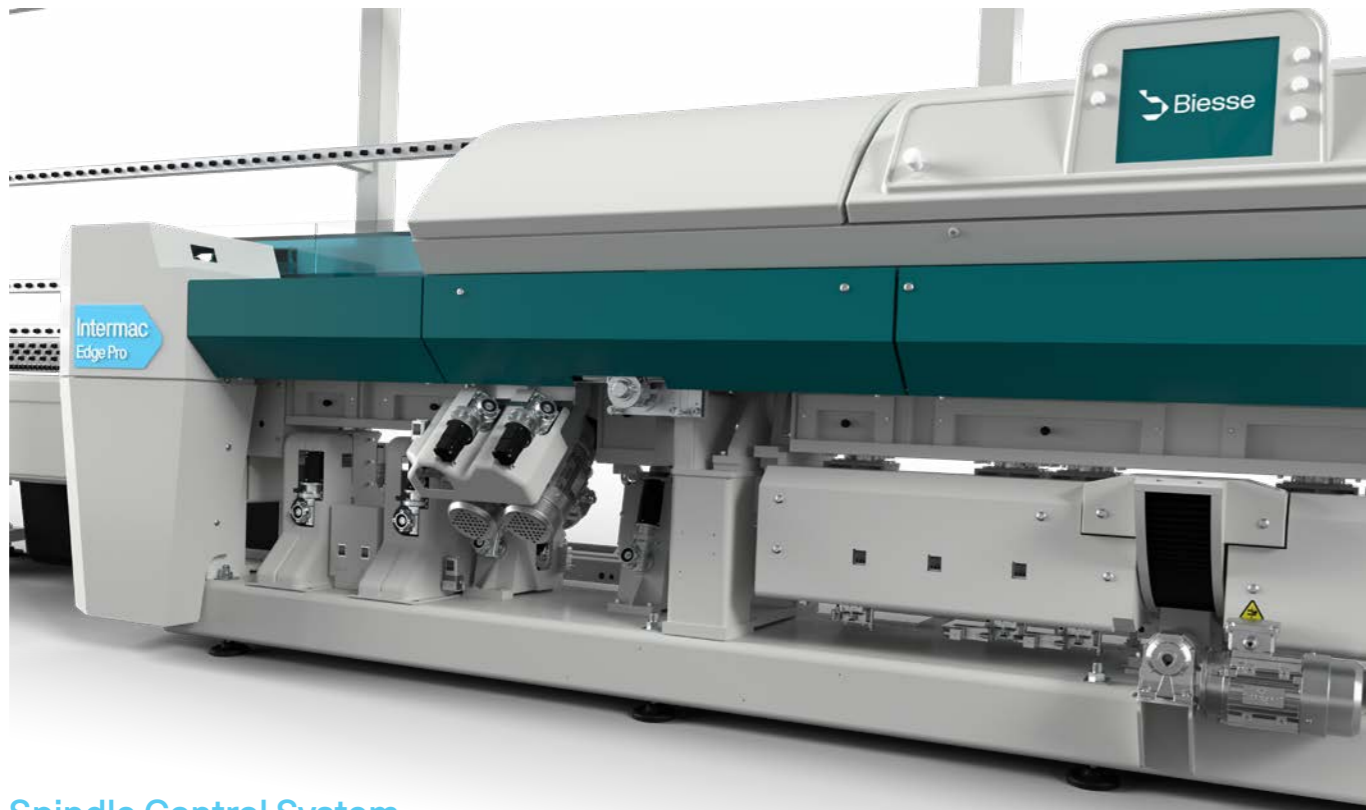
Pedal to start and stop the movement of the inlet arm for loading up to jumbo size glass sheets.

Digitally adjusted

Glass removal adjustment directly from the control panel.

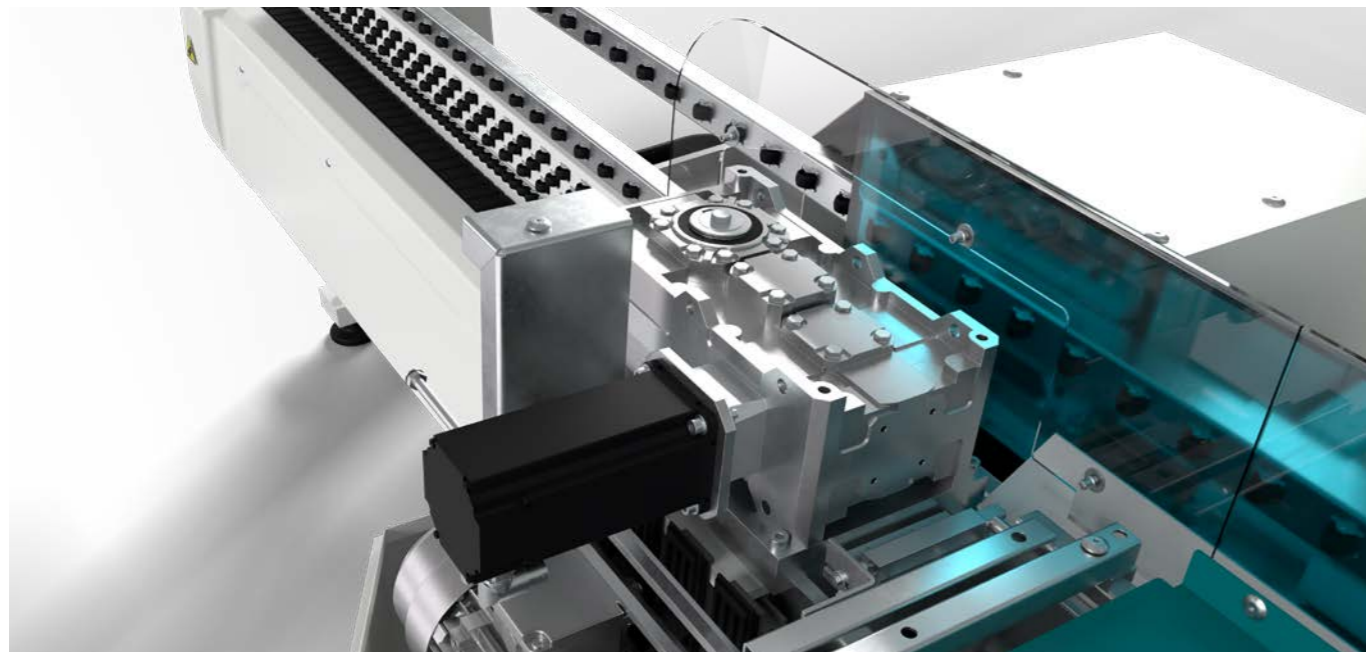
Wide screen control panel

Big size and user-friendly touch screen control panel.



Spindle Control System

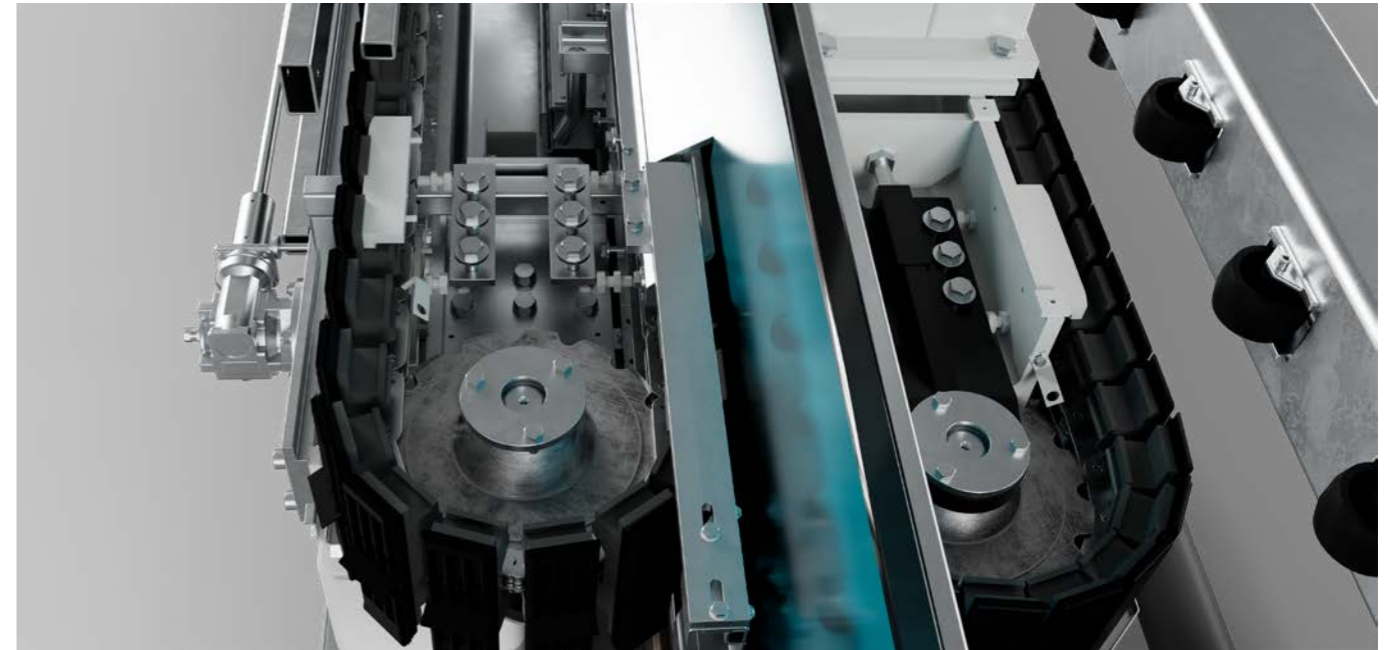
Diamond wheels automatic presetting; polishing wheels pressure automatically controlled: no manual adjustment needed, optimal consumption of wheels, higher finish quality.



Heavy duty tasks are not a challenge

Unique in the market, our innovative glass conveying system is driven by two motors for greater mechanical efficiency of the system, which combined with the solid structure of the machine enables the handling of large

thicknesses and large glass up to 350Kg per meter of belt. This results in a significant increase in machine performance.



Performance with low running costs

With more than 25 years of experience, this technology offers reliability, precision and exceptionally low operating costs. The glass conveyor features two of our reliable solutions: anti-friction and wear pads, which run on ground steel guides, and the conveyor system itself without ball

bearings. The goal is a system that is less prone to wear and produces very little vibration.



Smooth and vibration free

The flat edge processing spindles are isolated from the electric motor, with power transmission handled by belt and pulley to minimize any potential vibrations. Lubrication is ensured by long-life grease, optimizing performance and durability.



Architectural glass

Indoor and outdoor architectural applications, always with precision and quality.

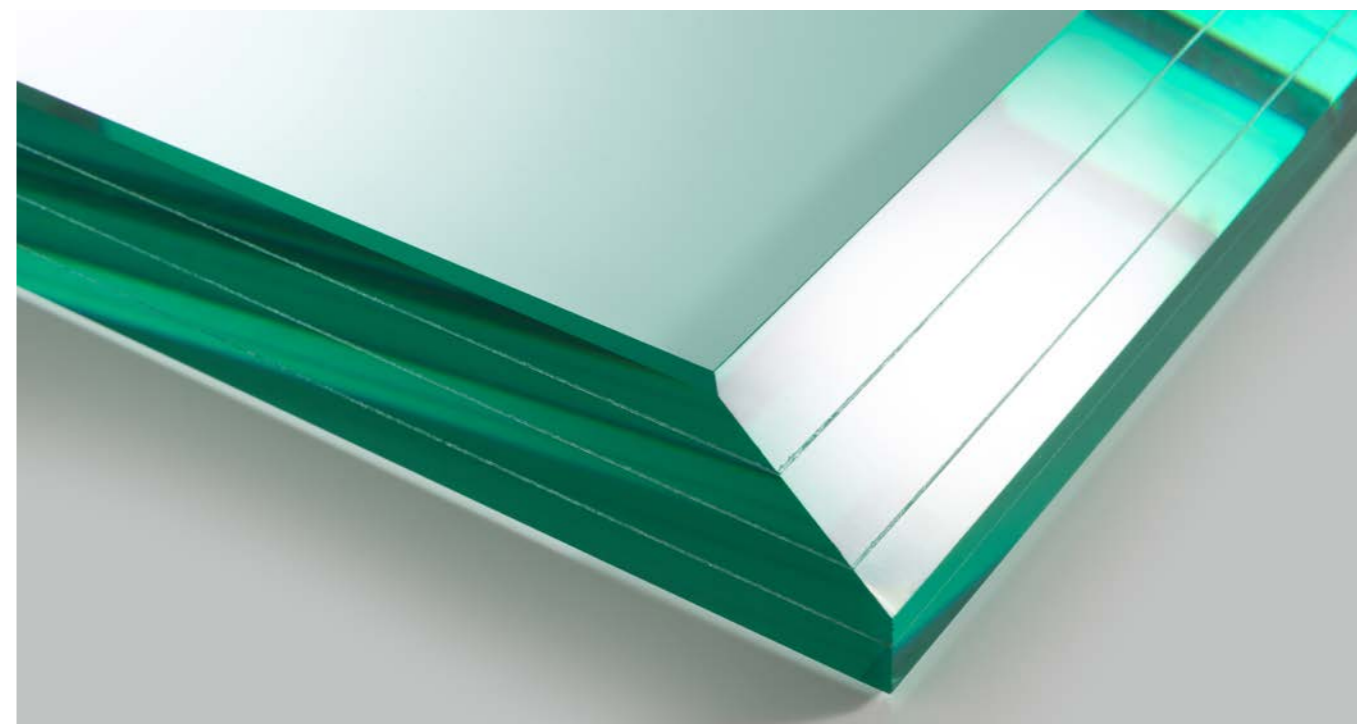
Monolithic glass grinding

When the edge is this beautiful, it deserves to be showcased. Premium finishes for visible glass.



Safety glass processing

For all applications where large glass removal is a must. Our machinery does not fear heavy duty work.



Single sided

Intermac

Intermac Edge Up S B35

The most popular beveling machines

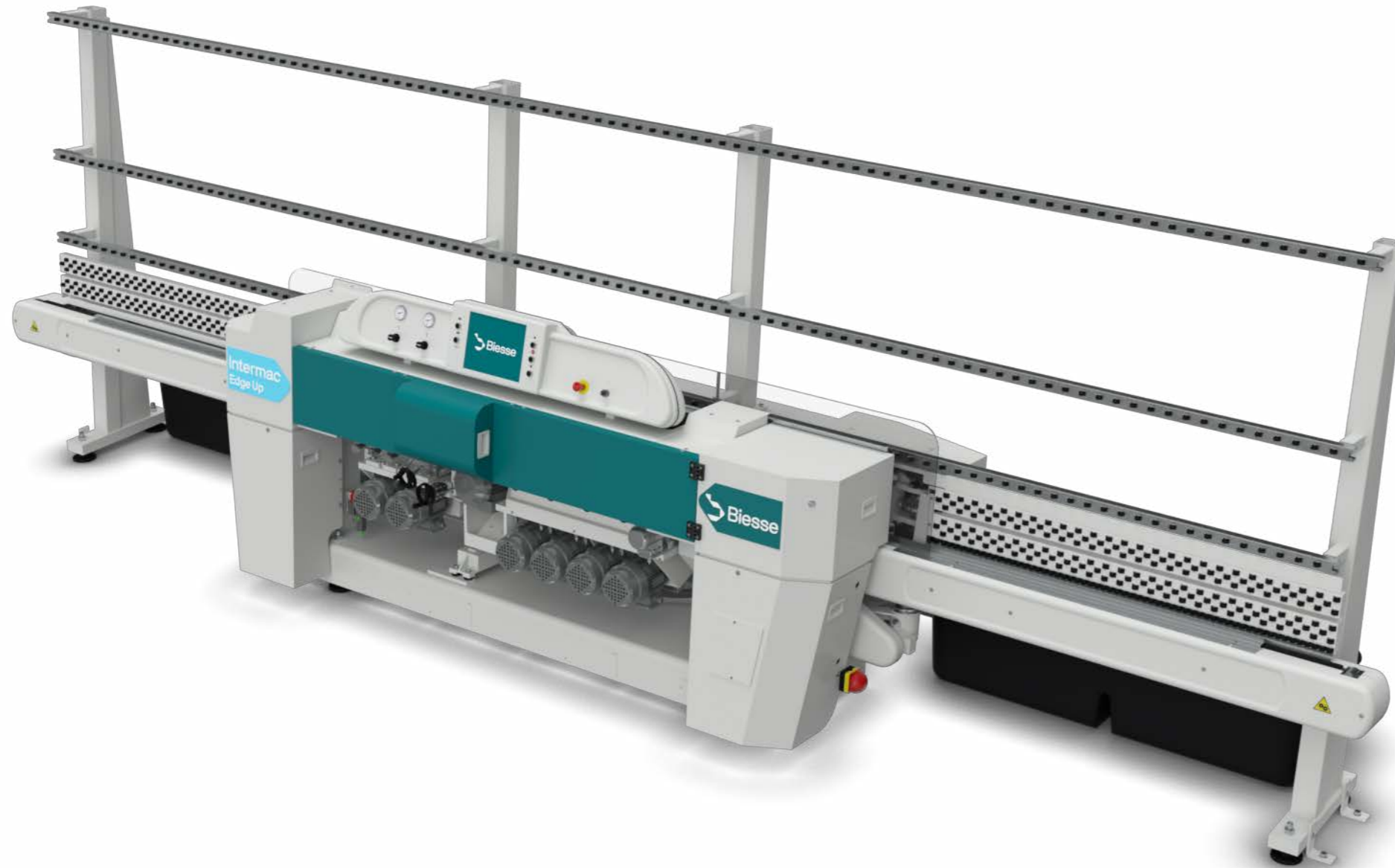
An excellent machine for achieving a quality result with cutting-edge and reliable solutions, a balanced investment, capable of meeting the needs of most customers, also thanks to the 2 available versions.

Guaranteed response: Remote Assistance you can rely on

Remote assistance packages ensure fast technical response times and seamless. Machine Connectivity services to keep your operations running smoothly.



Up



Without ball bearing to last longer

Our historically tested and long-lasting system.

Change the beveling angle

The worm screw system allows precise bevel angle adjustment via human machine interface.

Wide color touchscreen monitor

Bevel calculation, machine automatic positioning, fast trouble-shooting.

Extendable pads

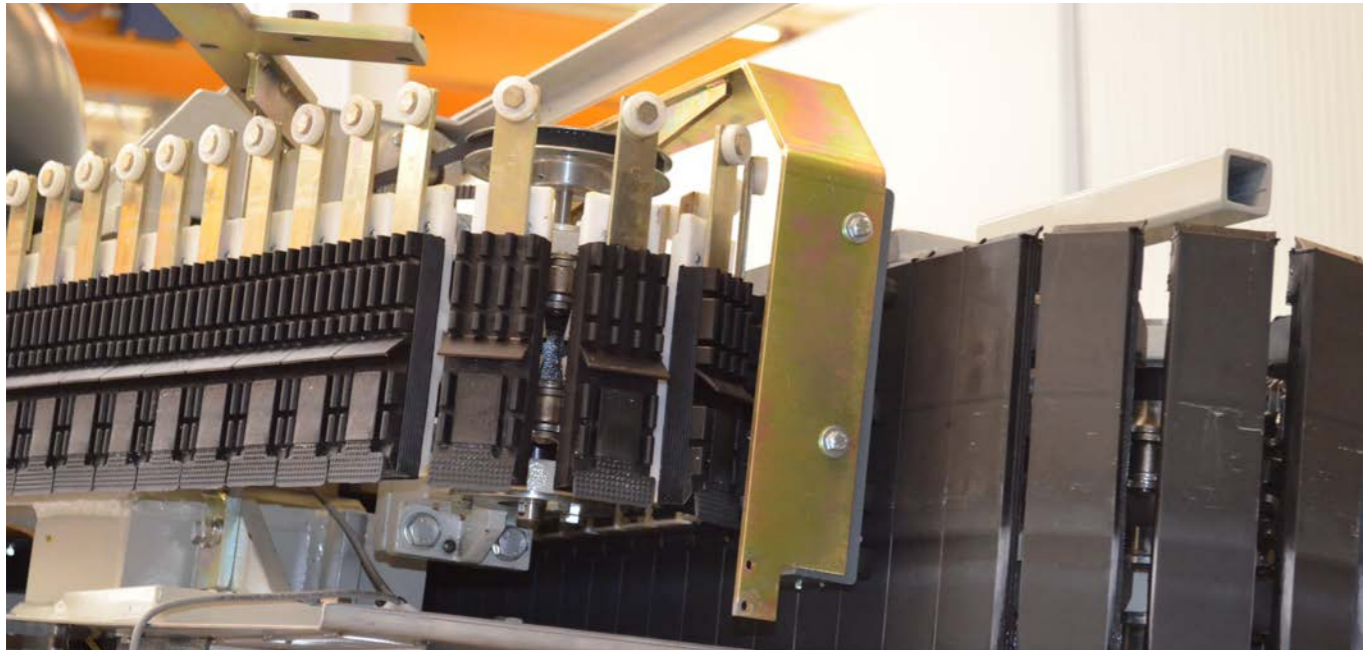
Our way of processing small pieces beveling.

Glass in, glass out

Conveyors chains are designed to be easily maintained.

Centralized lubrication

Automatic centralized lubrication of the conveyor.



Without ball bearing to last longer

It consists of ground precision guides on which rubber-coated cast iron conveyors run, without ball bearings, ensuring low maintenance costs and excellent performance.



Glass in, glass out

The glass transportation on inlet and outlet arms is by means of Delrin made chains combined with rubber anti-friction pads. All parts can be easily replaced, ensuring low maintenance cost and fast change.



Change the beveling angle

Set by the operator via the human machine interface, the bevel angle is adjusted with extreme precision thanks to the worm screw system, thus avoiding potential errors due to manual intervention.



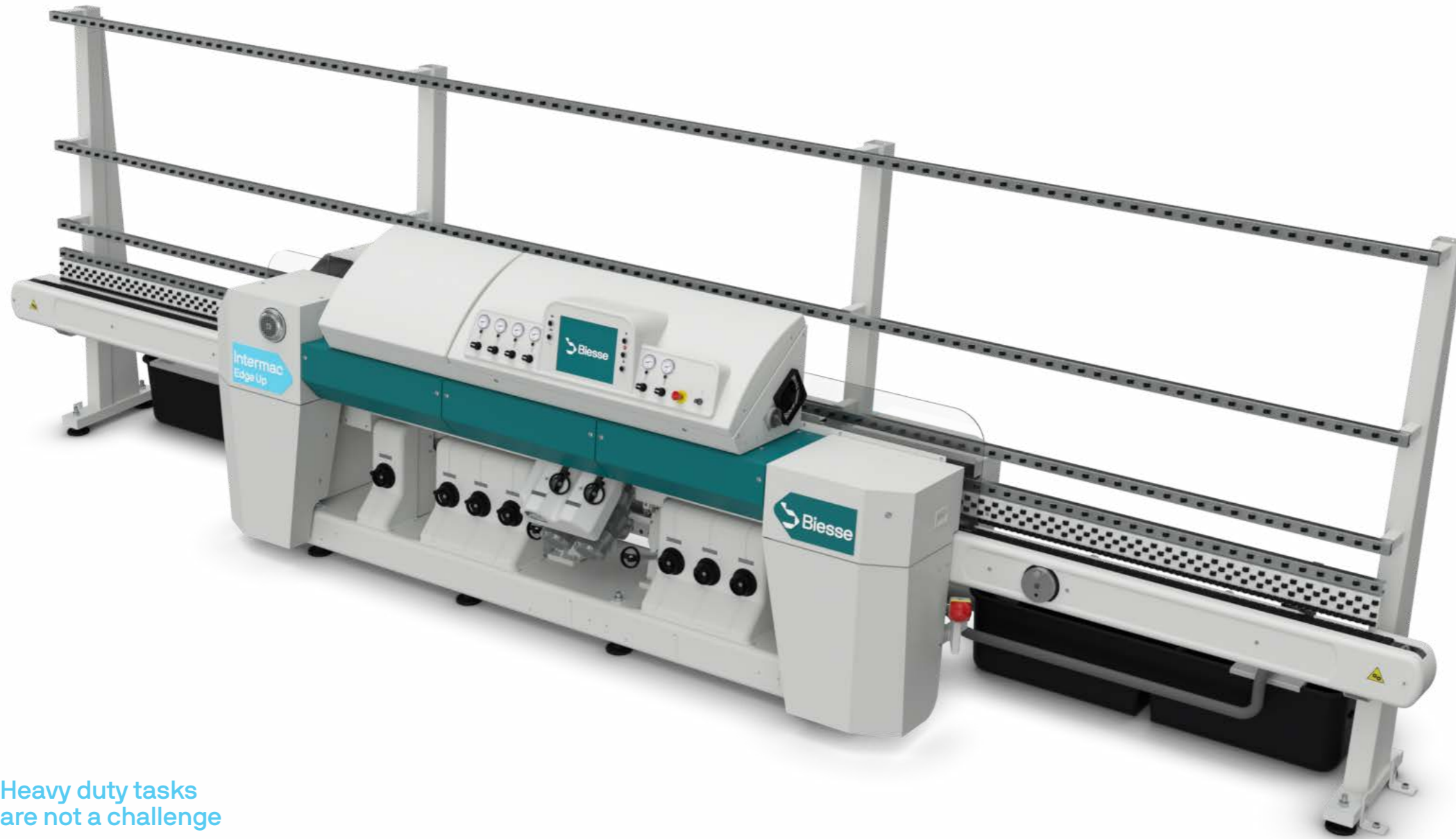
Centralized lubrication

The durability of our bevellers is well recognized and, in this way, we simplify their maintenance. The lubrication pump allows for greasing the conveyors with timed automatic cycles.

Single sided

Intermac

Intermac Edge Up S F50



Evolution “in big”

Intermac Edge Up S F50 versatility and reliability answer to contemporary architecture demand for large glass sheet processing.

Guaranteed response: Remote Assistance you can rely on

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Heavy duty tasks are not a challenge

Dual Motor conveyor system moves the heaviest glass through the machine.

Performance at low running costs

Conveyor pads sliding on rectified steel guide-rails without ball bearings.

Smooth and vibration free

High glass finishing quality: the spindles separated from the electrical motors and connected to same through a transmission belt, avoiding vibration.

Jumbo mode

Pedal to start and stop the movement of the inlet arm for loading up to jumbo size glass sheets.

Digitally adjusted

Glass removal adjustment directly from the control panel.

Wide screen control panel

Big size and user-friendly touchscreen control panel.

Glass in, glass out

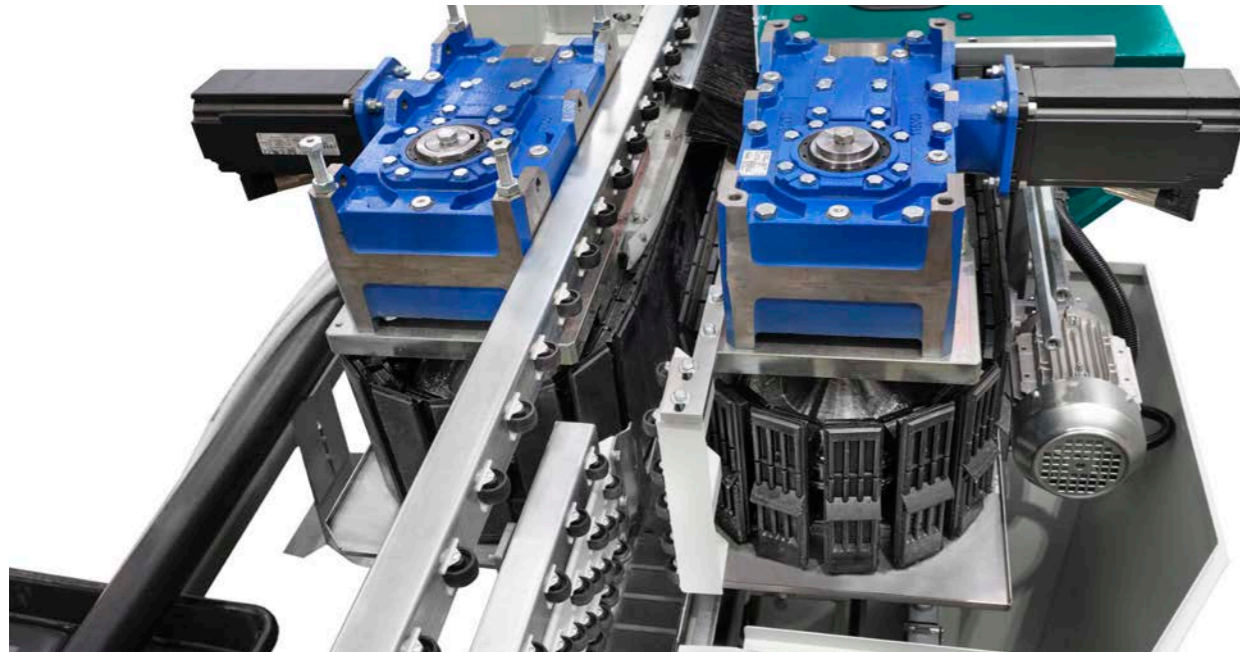
Conveyors chains are designed to be easily maintained through the use of state-of-the-art materials.

Up

Heavy duty tasks are not a challenge

Unique in the market, our innovative glass conveying system is driven by two motors for greater mechanical efficiency of the system, which combined with the solid structure of the machine enables the handling of large

thicknesses and large glass up to 350Kg per meter of belt. This results in a significant increase in machine performance.



Performance at low running costs

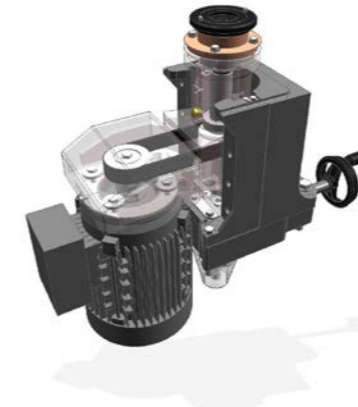
With more than 25 years of experience, this technology offers reliability, precision and exceptionally low operating costs. The glass conveyor features two of our reliable solutions: anti-friction and wear pads, which run on ground

steel guides, and the conveyor system itself without ball bearings. The goal is a system that is less prone to wear and produces very little vibration.



Smooth and vibration free

The flat edge processing spindles are isolated from the electric motor, with power transmission handled by belt and pulley to minimize any potential vibrations. Lubrication is ensured by long-life grease, optimizing performance and durability.



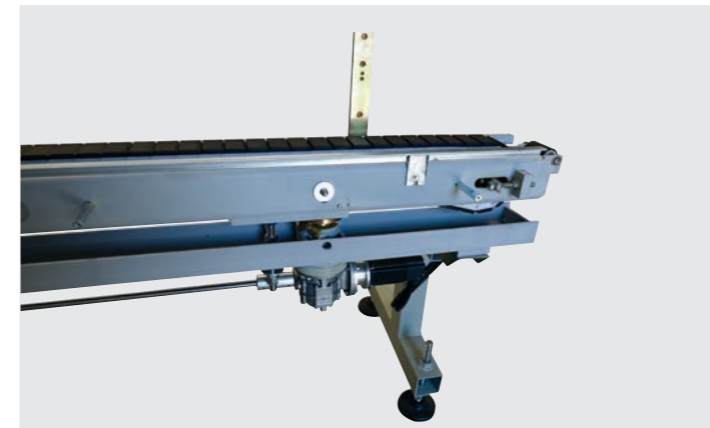
Jumbo mode

The operator can pause the inlet arm via the foot pedal while the machine is running, safely load a new sheet of glass even a large one, which would not have been possible with the load in motion, and then restart the conveyor effortlessly with a simple action on the foot pedal.



Digitally adjusted

The glass removal height can be precisely adjusted directly from the human machine interface, allowing for flawless accuracy without the need for any manual adjustments.



Wide screen control panel

A big 10,4" touchscreen control panel improves data display. It stands for user-friendliness, flexibility and functionality: bright colors, very intuitive icons, easily understandable drawings.



Single sided

Intermac

Intermac Edge Go S F35



The benchmark in the glass field

The Edge Go S F35 straight-line edgers are regarded as a benchmark in the glass field for their reliability, user-friendliness and for the quality of the end product.

As a result of ingenuity, gained in 70 years of R&D activity, these straight-line edgers are available in various configurations, from 6 to 11 spindles, for every need and for any glass fabricator.

Guaranteed response: Remote Assistance you can rely on

Remote assistance packages ensure fast technical response times and seamless. Machine Connectivity services to keep your operations running smoothly.



Performance with low running costs

Conveyor pads sliding on rectified steel guide-rails without ball bearings.

Smooth and vibration free

High glass finishing quality: the spindles separated from the electrical motors and connected to same through a transmission belt, avoiding vibration.

Glass in, glass out

Inlet and outlet conveyors chains made of derlin links and anti-friction pads.

Full load capacity

Load capacity from 200 kg to 250 kg per meter of the conveyor, according to the different version.

We keep it simple

User-friendly touchscreen control panel.

Grind&Stop and spindle selection

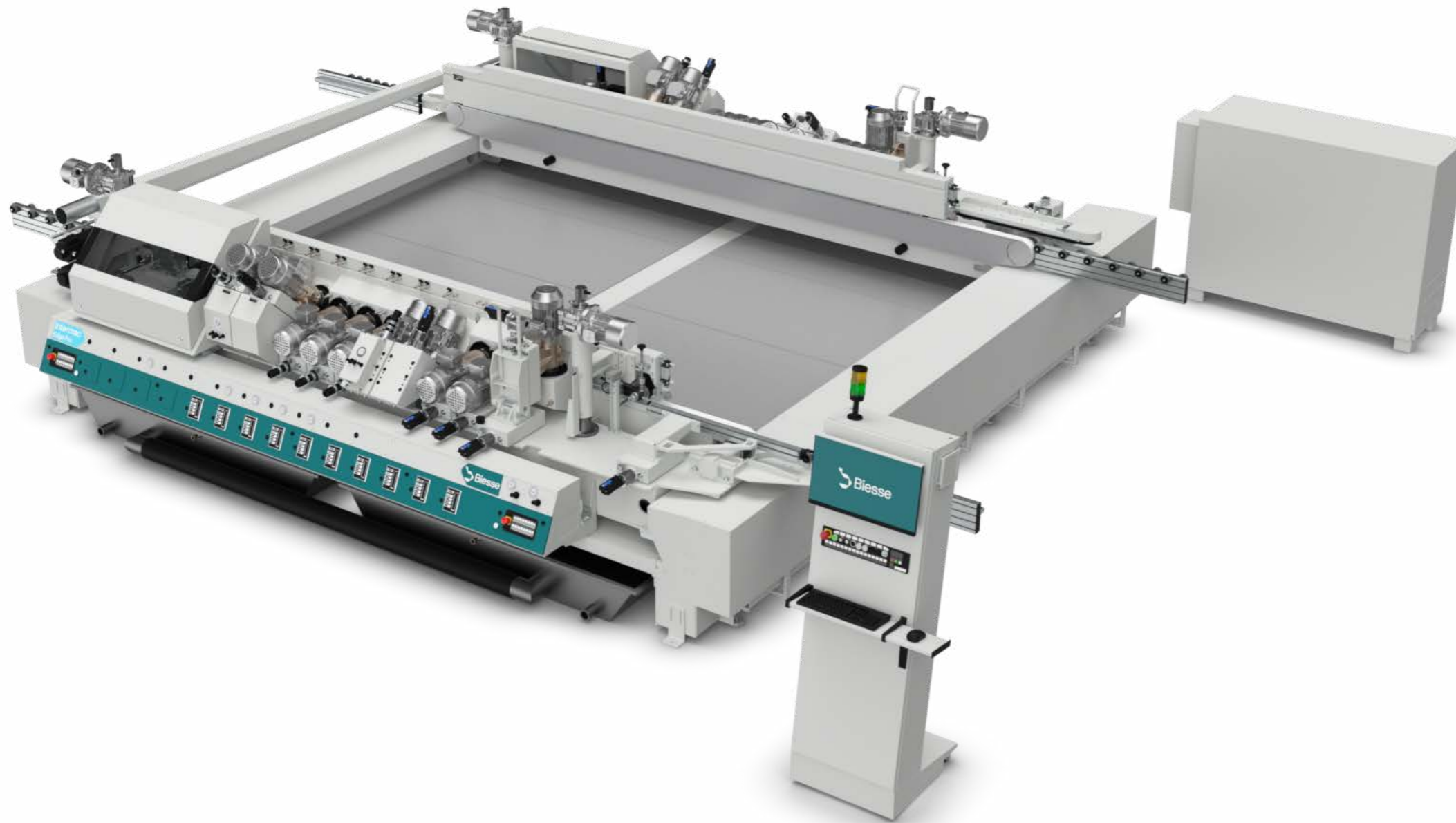
Ecofriendly functions for energy saving, less wear of mechanical parts and more comfort for the operator.

The glass washing add-on

Washing machine integrated in the machine outlet arm, fully managed by the machine control panel.

Intermac

Intermac Edge Pro D F



High flexibility and productivity

Intermac Edge Pro D is the range of machines and systems for double edge grinding, ideal for working on glasses for structural facades, internal structural elements, furniture, household appliances and solar panels where reliable and customizable solutions are required and that provide results of the highest quality, precision and total flexibility with minimum operator intervention.

It's the solution for processing flat edge with standard 2mm arris or 15 mm with 45° profile, ideal for small, medium and large edgeworks with flexible production: from structural glass, partition walls, balustrades and steps, shower enclosures, furniture.

Guaranteed response: Remote Assistance you can rely on

Remote assistance packages ensure fast technical response times and seamless. Machine Connectivity services to keep your operations running smoothly.



Born to deliver quality

Precision and quality are guaranteed through our high-end machinery.

“Radiuser” is our solution

Our distinctive patented solutions that makes our edging machine simply unique.

We sew your dress

Extremely configurable, it's built on the customer needs like a dress by the tailor.

Reliability over time

Biesse machines guarantee long life, allows working up to 3 shifts per day and require minimal machine maintenance by the operator.

The User Interface

Essential, friendly and highly productive UI.

Born to deliver quality

Known as the top brand double edger machine, Intermac Edge Pro D F gives the customer the best result that can be achieved in terms of edge quality and brightness. Glass is perfectly squared on all sides thanks to the solid and reliable squaring system placed on both machines that can adjust the glass position during high production series as well as on short ones.



The User Interface

Performing every step is very easy and effective. Just setting up all process parameters such as tools type and working depth then activate the program and work keeping every part of the process under control. Diagnostic messages are sent on top of the page for supporting the operator during production cycle.



“Radiuser” is our solution

The radius cutters are a patented Biesse device that does round corners either matte or polished. The tool cone can host both diamond and polish wheel. With this innovative system it is possible to do it while the glass is being processed in the machine, without the need of an additional machine, which results in a drastic saving of time.



We sew your dress

You can customize machine dimensions, machines positioning, glass transferring system between the 2 machines, loading and unloading systems, number of wheels for each side, and more. Innovative systems such as the diamond wheel presetter, the automatic management of polishing pressures, the motorized reference rollers and other optional features allow to reduce the line setting times, simplifying their use and consequently boosting the productivity.

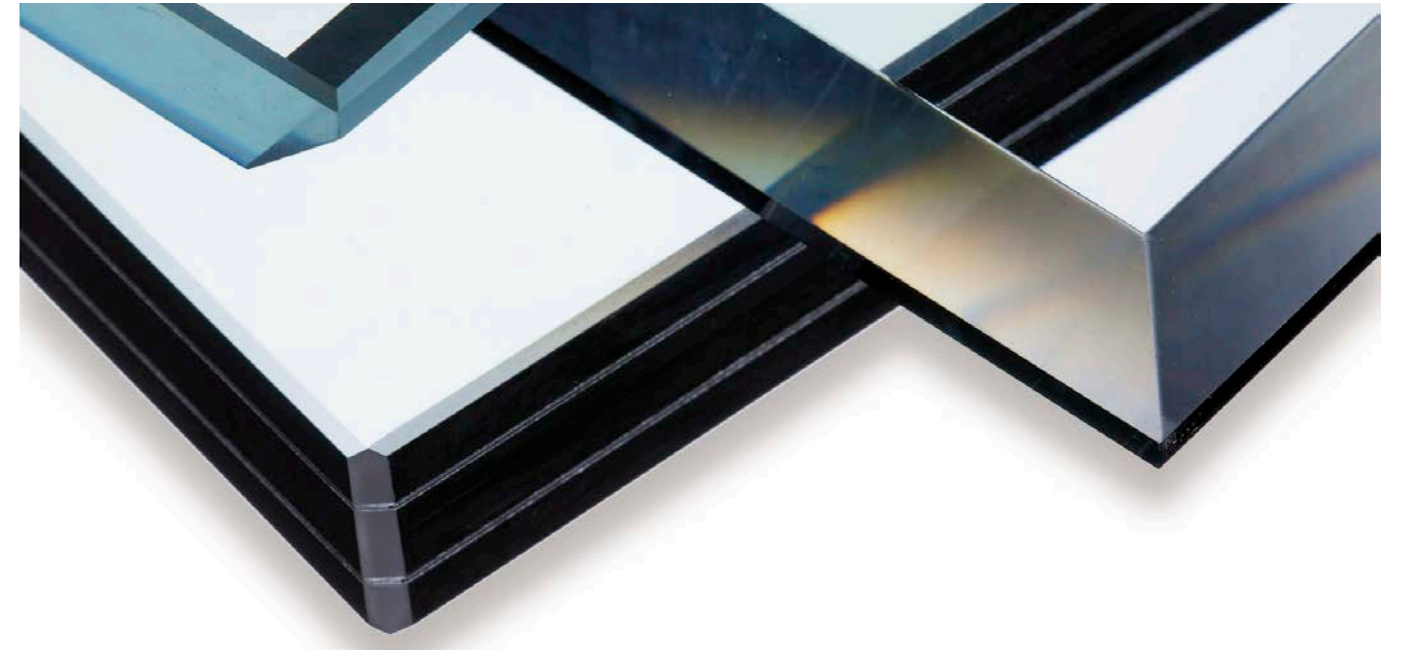
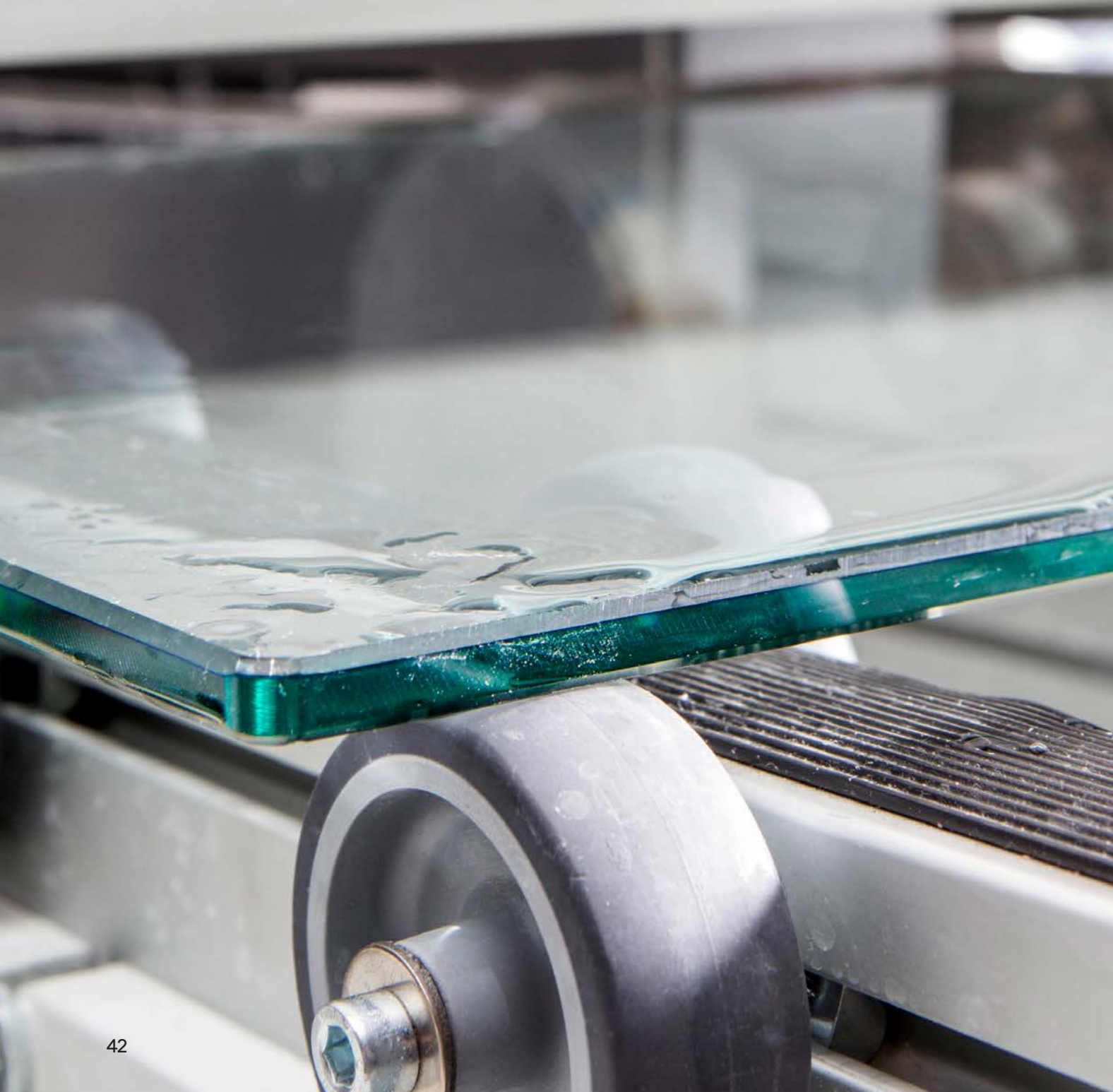


Reliability over time

Each individual component has been designed and sized taking into account the continuous workload that the machine have to satisfy. The most important aspects that differentiate us from competitive brands are the resistance of the mechanical, pneumatic and electrical components to water, and the reliability of the parts most subjected to stress such as the spindles or the glass transport belt system. Carrying out the appropriate scheduled maintenance guarantees the long life of the machine.

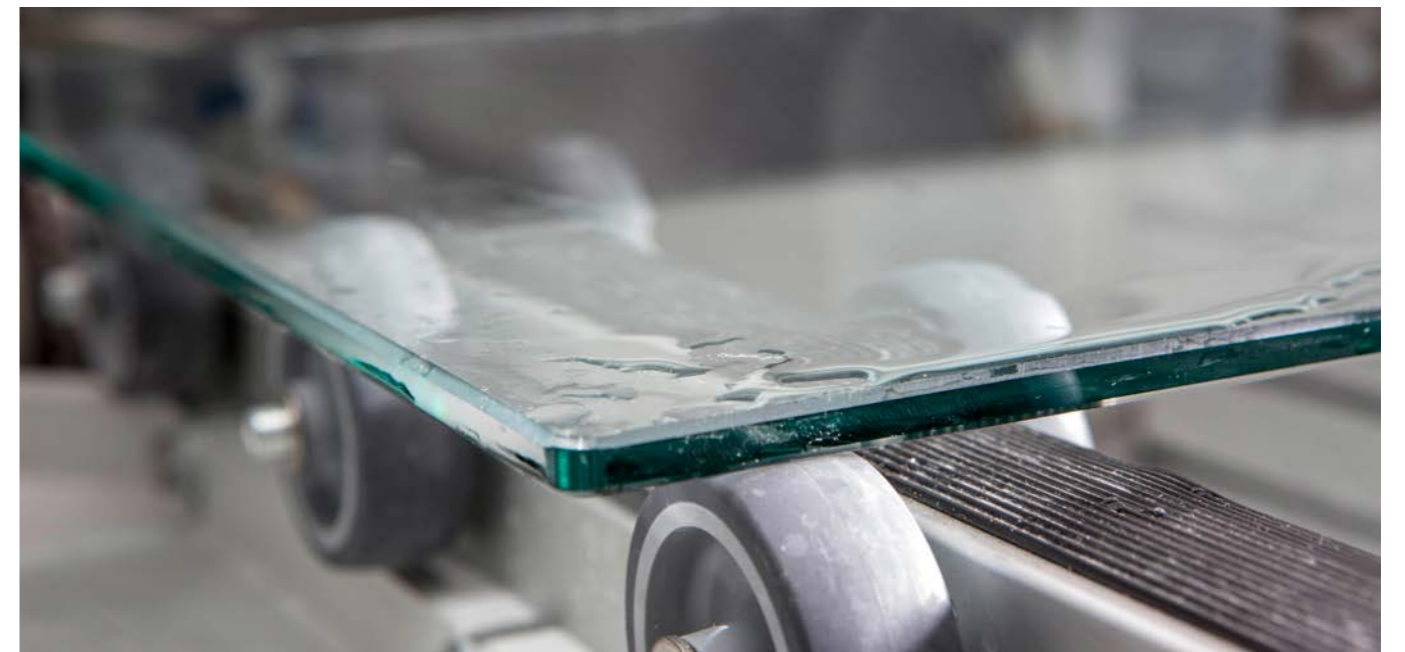
45° arrising

One of the most challenging machining operations is the 45° fillet because of the extensive surface area of the machining on the glass. The result is simply outstanding.



Glass up to 50mm thickness

High quality thick laminated glass finishing up to 50mm this is ensured by an extremely solid and vibration-free structure together with a very high configurability of each individual spindle to achieve the best result at each step.



Up to 5mm radius

An exclusivity that allows you to make perfect 5mm radius edges with speed, precision and quality without using another machine.

Intermac

Intermac Edge Pro Q 408



Around the glass

Intermac Edge Pro Q 408 is an edge polishing machine capable of processing all four sides simultaneously.

Engineered to handle out-of-square and shaped glass, it features revolutionary heads with 8 cup wheels each, ensuring a perfectly brilliant finishing edge.

Its batch-one design allows for the sequential processing of different glass sizes and thicknesses without the need for manual adjustments or intervention.

Guaranteed response: Remote Assistance you can rely on

Remote assistance packages ensure fast technical response times and seamless. Machine Connectivity services to keep your operations running smoothly.



Diversify your production

Intermac Edge Pro Q 408 delivers unmatched flexibility and productivity for batch-one and low-batch production, setting a new standard by outperforming traditional polishing machines.

Get in shape

Unlike conventional double-edging machines, Intermac Edge Pro Q 408 can process out-of-square glass and shaped pieces as standard, expanding its range of applications significantly.

All sides in a single machine

Intermac Edge Pro Q 408 features a considerably smaller footprint compared to a traditional double-sided edging line, all while efficiently processing all four sides of the glass in a single machine.

Any size, any finish

Designed for flexibility, the machine makes it possible to process glass in various sizes, thicknesses, and shapes, with the added capability of applying different finishes to each side of the glass automatically.

Make it shine

Equipped with 8 wheels on each head, the system ensures a consistent, brilliant finishing quality, comparable to traditional polishing machines.

Repeatable precision

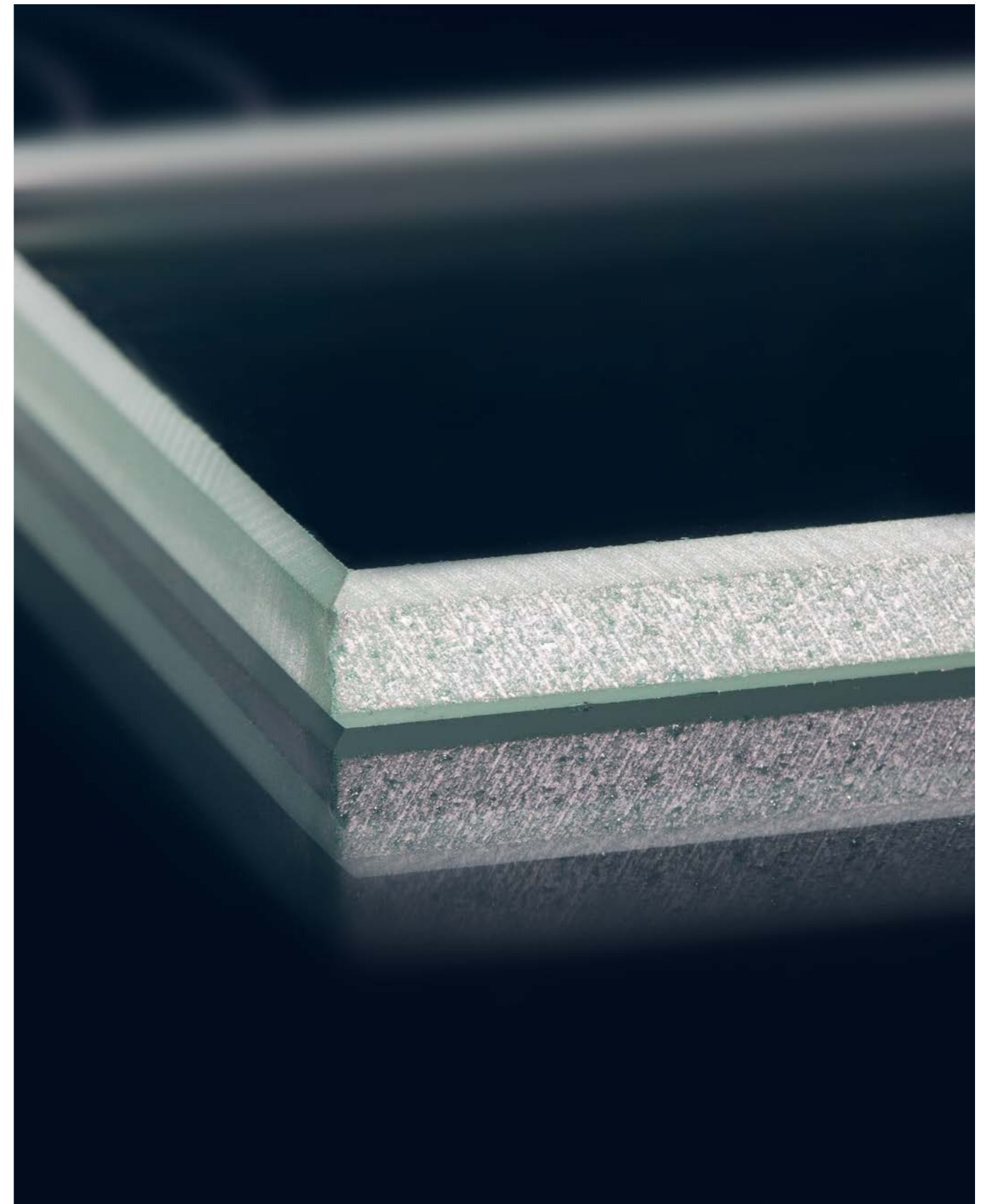
The machine is equipped with features such as dimensional control and an automatic tool wear system, designed to ensure exceptional precision and repeatability in processing glass, even for larger sizes.

As easy as A B C

An intuitive human machine interface and onboard programming system ensure seamless interaction with the operator, enabling straightforward programming of even the most complex operations.

Polished Edge

The primary application of the Intermac Edge Pro Q 408 is the production of polished-edge glass. Its configuration with 8 wheels ensures a flawlessly finished polished edge and threads, achieved through dedicated diamond and polishing wheels.



Industrial Finish

An industrial finish can be achieved by deactivating the dedicated polishing wheels, thereby increasing processing speed and boosting productivity. Using diamond cup wheels, this system delivers an industrial finish comparable to that of peripheral wheel systems.

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