

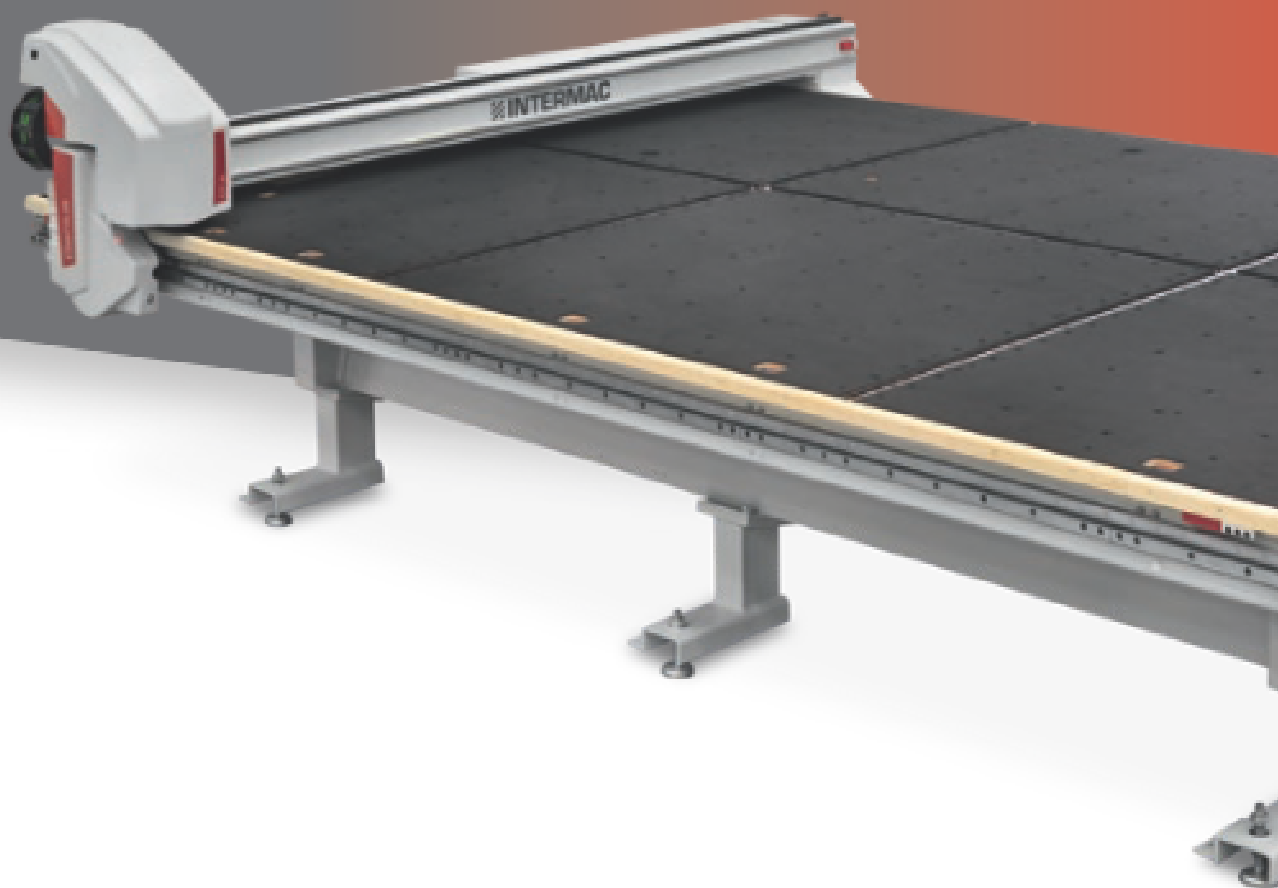
GENIUS CT-A

CUTTING TABLES AND LINES
FOR FLOAT GLASS



 **INTERMAC**

QUALITY WITHOUT COMPROMISES

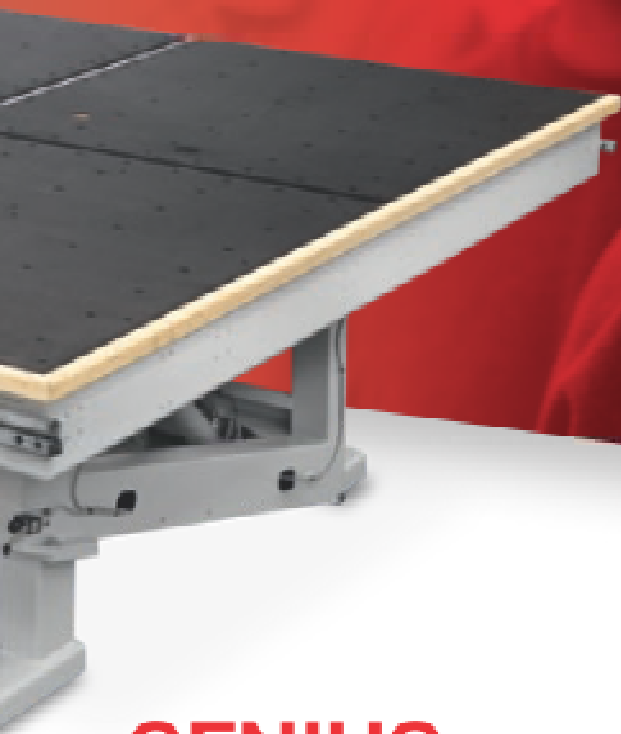


THE MARKET EXPECTS

a change in manufacturing processes, enabling companies to accept the largest possible number of orders. This is coupled with the need to maintain high quality standards while offering product customisation with quick and defined delivery times, as well as satisfying the requirements of even the most highly-automated industries.

INTERMAC RESPONDS

with technological solutions that guarantee high-quality, reliable performance over time. **Genius CT-A** is the range of cutting tables for float glass, ideal for small and medium-sized businesses. Genius CT-A cutting tables optimise the sheet being machined, whether **REGULAR** or **JUMBO** format, maintaining high levels of cutting precision over time and guaranteeing an excellent return on investment.



GENIUS CT-A

- ▀ CUSTOMISABLE SOLUTIONS FOR EVERY REQUIREMENT
- ▀ GUARANTEED RELIABILITY OVER TIME
- ▀ MAXIMUM MACHINING FLEXIBILITY
- ▀ CUTTING-EDGE TECHNOLOGY
- ▀ CUTTING PRECISION WITH SIMPLE AND INTUITIVE TECHNOLOGY

CUSTOMISABLE SOLUTIONS FOR EVERY REQUIREMENT

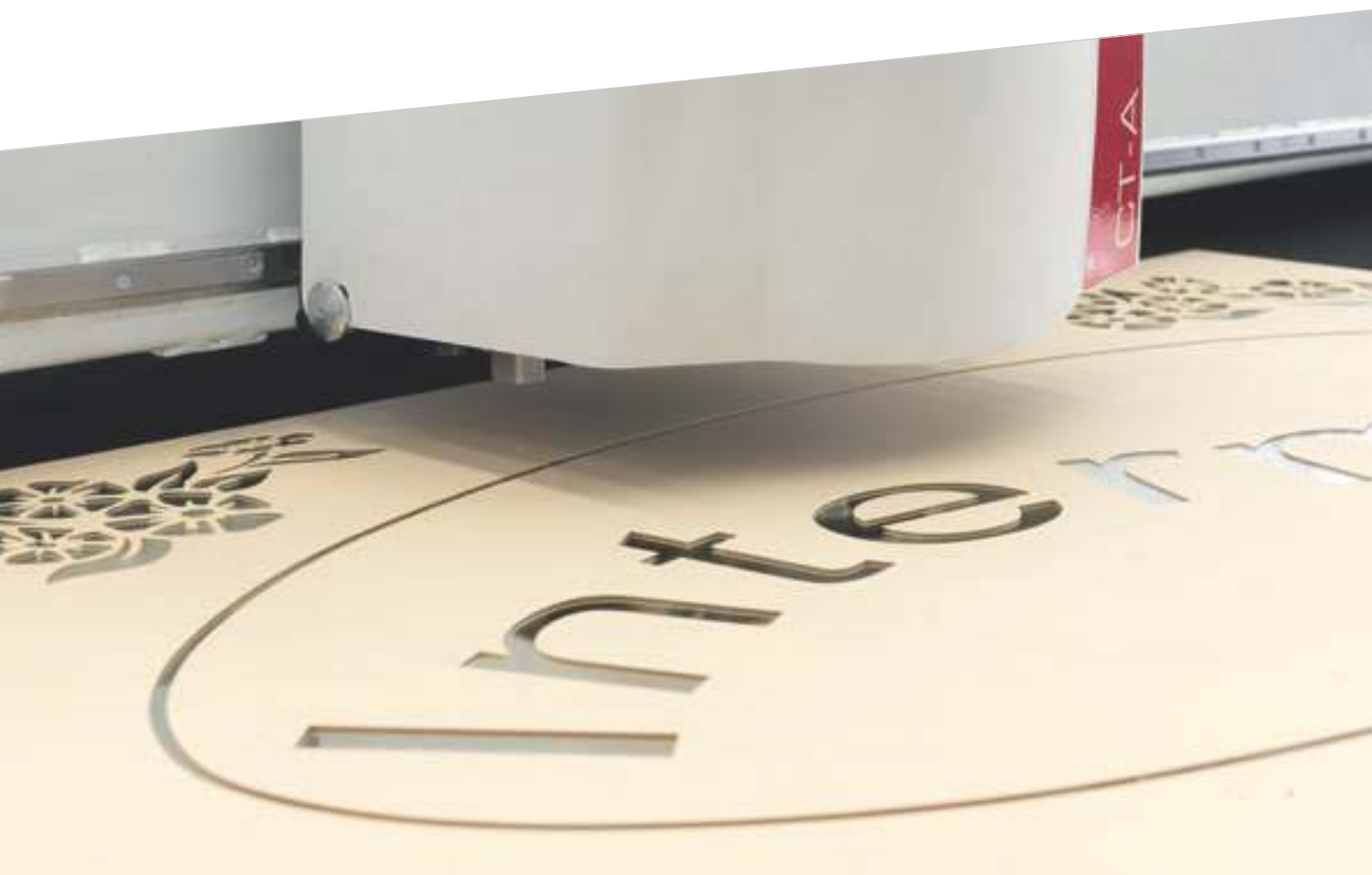


The Genius CT-A range of cutting tables can be configured according to production requirements.



BREAK-OUT BARS

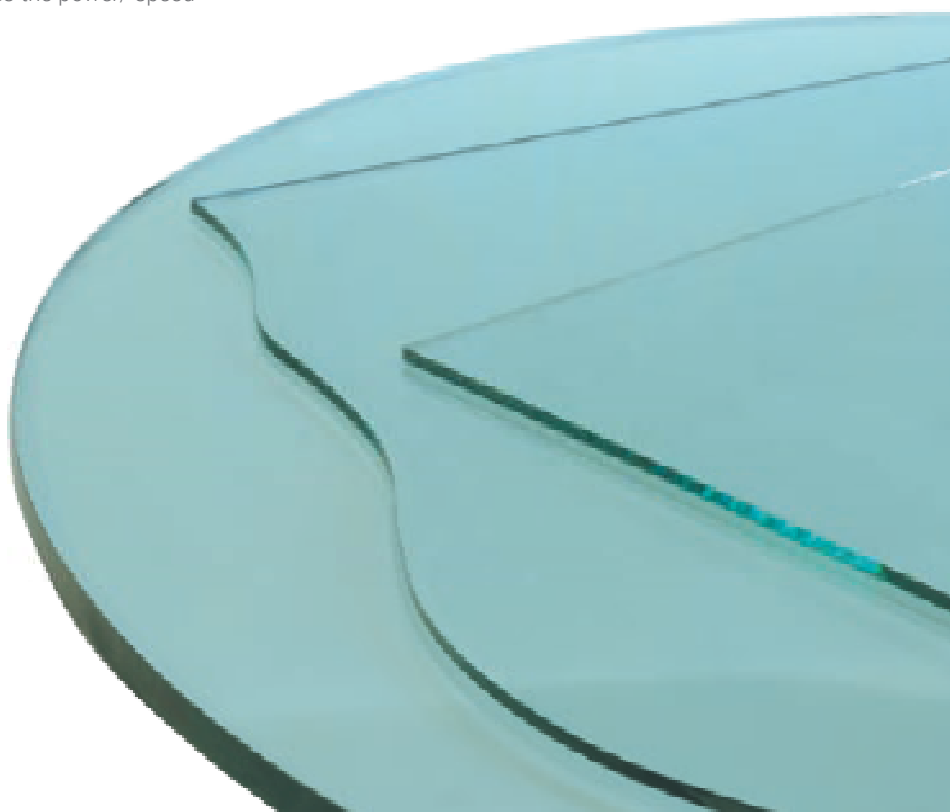
The transverse and longitudinal pneumatic bars enable break-out operations to be performed on glass.



VINYL CUTTING

Genius CT-A cutting tables guarantee superb machining quality, even when cutting vinyl.

The cutting quality is guaranteed by the proportional electro-pneumatic control system that enables the power/ speed ratio to be measured correctly.



The Genius cutting table ensures that materials are fully optimised, significantly reducing waste.

GUARANTEED RELIABILITY OVER TIME

Maximum performance and precision
thanks to the planarity of the ground
work table.



The base of the machine is made from a rigid, rectangular structure onto which ground wood panels are attached, ensuring maximum planarity of the working area, essential for optimal glass grooving and break-out operations.



A motorised gantry axis moves the cutting bridge, and ensures maximum precision and stability during machining.



- Acceleration 10m/sec
- Speed 200 m/min.
- Precision ± 0.15 mm

REDUCED CYCLE TIMES AND INCREASED PRODUCTIVITY



The management of the axle speed via PC and the high quality of all of the electronic and mechanical components enable machining times to be optimised, ensuring flexibility and dynamism.



The working head is equipped with an automatic cutting pressure management mechanism that enables the force exerted by the wheel to be adjusted correctly, from the beginning to the end of the cutting operation.

The working head is equipped with a laser reader that automatically detects the position of the sheet on the work table and also acts as a double zero for cutting laminated glass. In addition, it can be used for digitalising templates and models positioned on the work table.

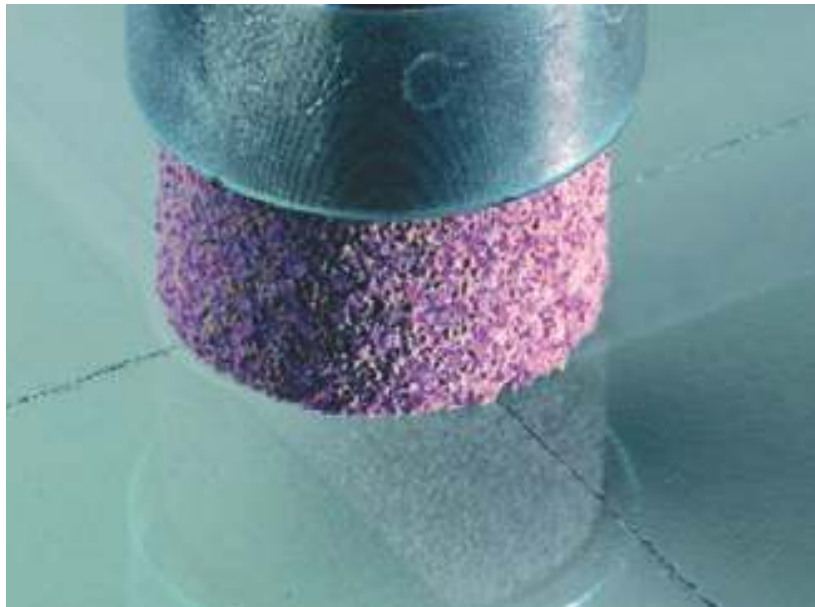
DEDICATED TECHNOLOGIES FOR EVERY REQUIREMENT

Genius CT-A can perform low emissivity (Low-E) removal operations, thanks to a series of optional devices dedicated to the various production requirements.



BCR DEVICE (BRUSH COATING REMOVAL)

For removal of low-emissivity film via a motorised metal brush, with adjustable consumption recovery. Standard removal of 20 mm width.



ABRASIVE TOOL

20mm diameter cup grinder in abrasive material for removing low emissivity film.

MAXIMUM QUALITY OF MACHINING AND RESULTS

The 6-position automatic tool magazine is an Intermac-patented technology that can be used to make different cuts on a single sheet, greatly improving the quality of the end result.



Automatic tool change



The roller-holder cones allow the cutting tools to be changed automatically.

**CUTTING LUBRICATION**

The delivery of lubricant oil for the wheel occurs in line with the speed of execution of the shape, and with the specific straight cutting requirements, eliminating waste and simultaneously improving machining results. Precise oil stream dosing with no "drop" effect. Pressurised oil lubrication is also available.

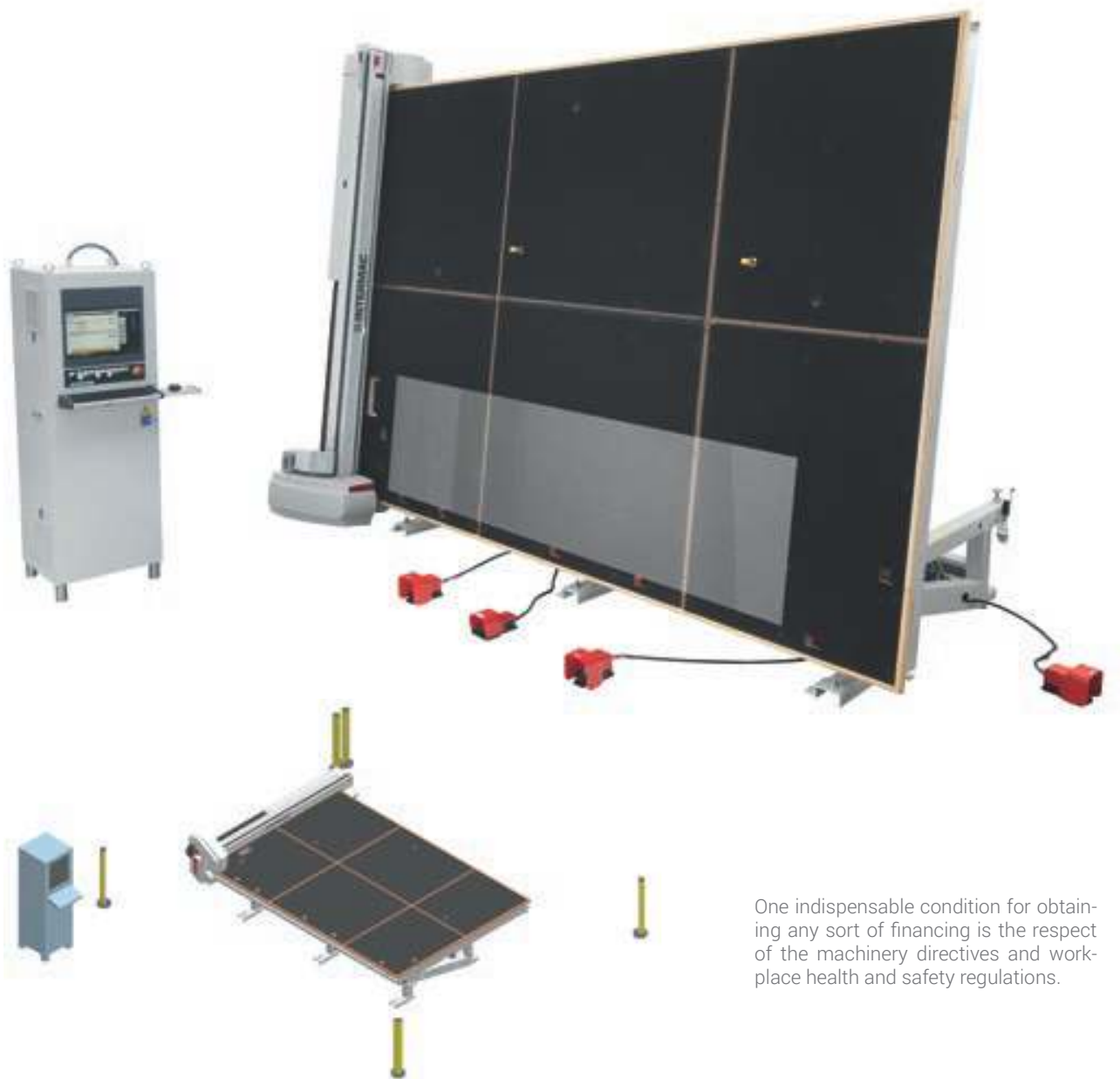
ERGONOMICS AND FACILITATED HANDLING

Smooth, even tilting of the table to allow large sheets to be loaded.



The automatic feet support the sheet while the table is tilting, acting as mechanical sheet aligners when necessary.

PROTECTION AND SAFETY FOR ALL MACHINING OPERATIONS



One indispensable condition for obtaining any sort of financing is the respect of the machinery directives and workplace health and safety regulations.

Intermac has always paid the utmost attention to the health and safety of its customers. The protection of every operator during the use of the machine is of vital importance, preventing any possible distraction or error that could lead to inconvenience or even accidents.

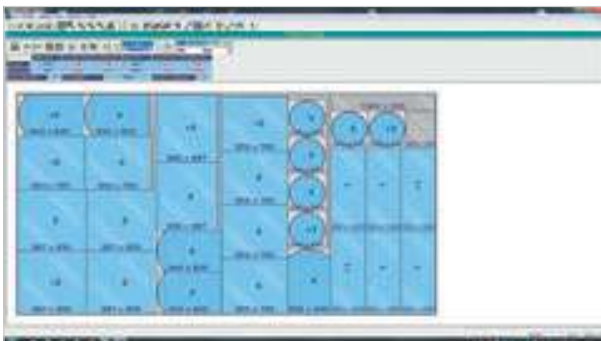
MAXIMUM EASE OF USE

The operator interface is simple, intuitive and compatible with the optimisers available on the market.



Numerical control on PC WNC base (Intermac Windows Numerical Control)

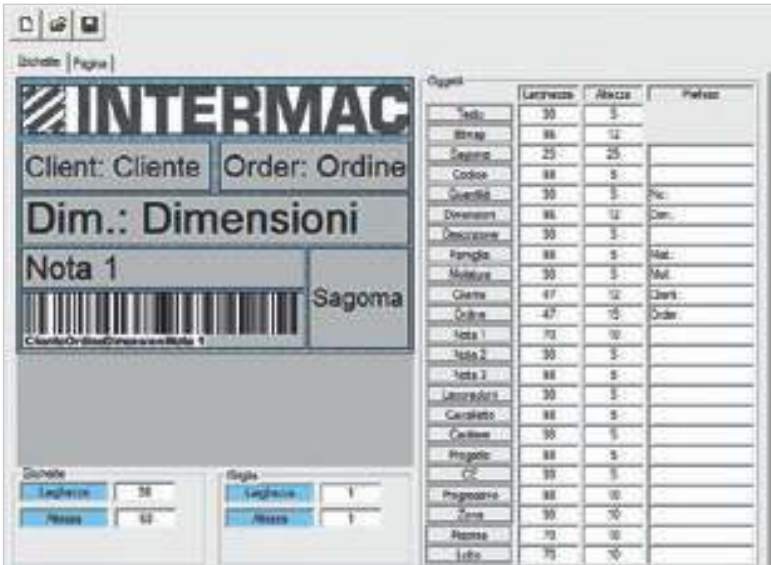
- Ideal both for those using CNC machines for the first time and operator who already have programming experience.
- Management of the working parameters of the machine.
- Creation and modification of cutting patterns and/or of geometric or non-geometric shapes.
- Modules for production report management.



OPTIMISATION SOFTWARE

Optimiser for straight and shaped cuts, enabling the following advantages to be achieved:

- Minimises waste.
- Meets the production requirements of glassworks companies.
- Enhances the performance of the machine.

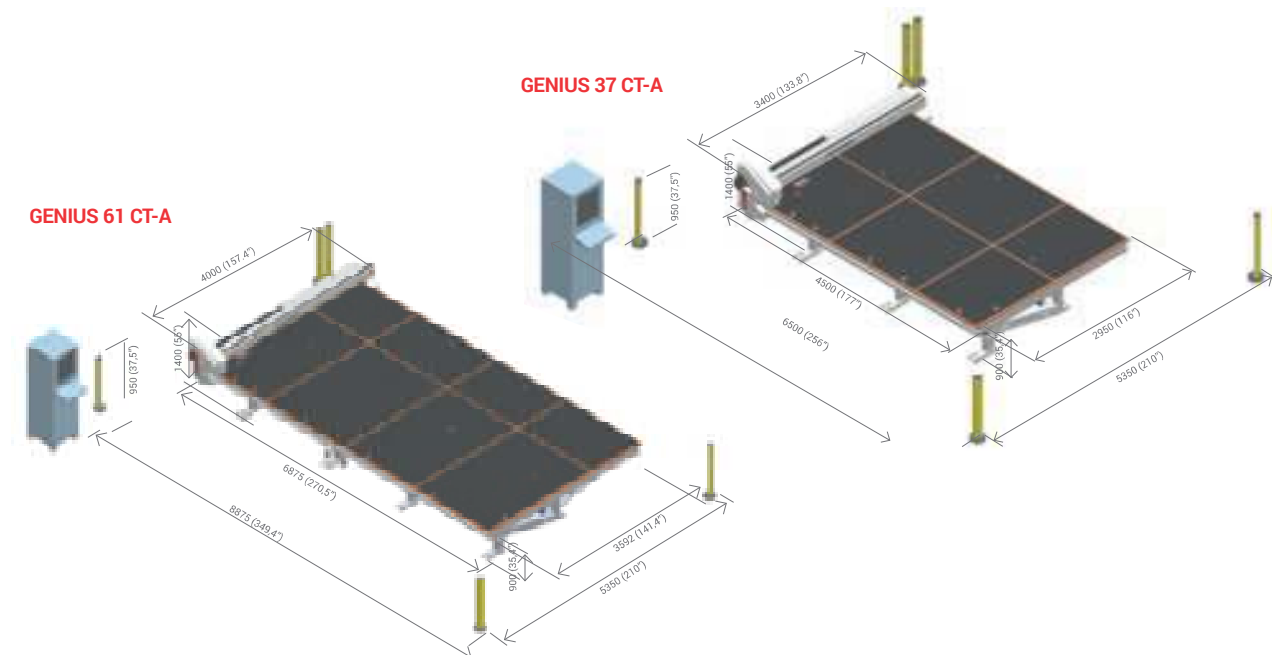


LABEL MANAGEMENT

TECHNICAL SPECIFICATIONS

STAND ALONE CONFIGURATION

		GENIUS 37 CT-A	GENIUS 61 CT-A
Machinable dimensions	mm	3710 x 2750 - 3810 x 2750 (opt.)	6100 x 3350
Machinable thickness	mm	2 - 19	2 - 19
Max axle movement speed	m/min	200	200
Max acceleration	m/sec ²	10	10
Positioning precision of the working head	mm	± 0,15	± 0,15
Straight and shaped optimisation (optional)		yes	yes
Shearing bars (optional)		2 + 1	3 + 1/ 3 + 2 (opt.)
Table tilting time (optional)	sec	30 (1 stroke)	30 (1 stroke)
Work table height	mm	900 (-15 / +40)	900 (-15 / +40)
Installed power: fixed table/ tilting table (opt.)	kW	8.8 - 9.7 kW	10.4 kW
Overall weight	Kg	2400	3800



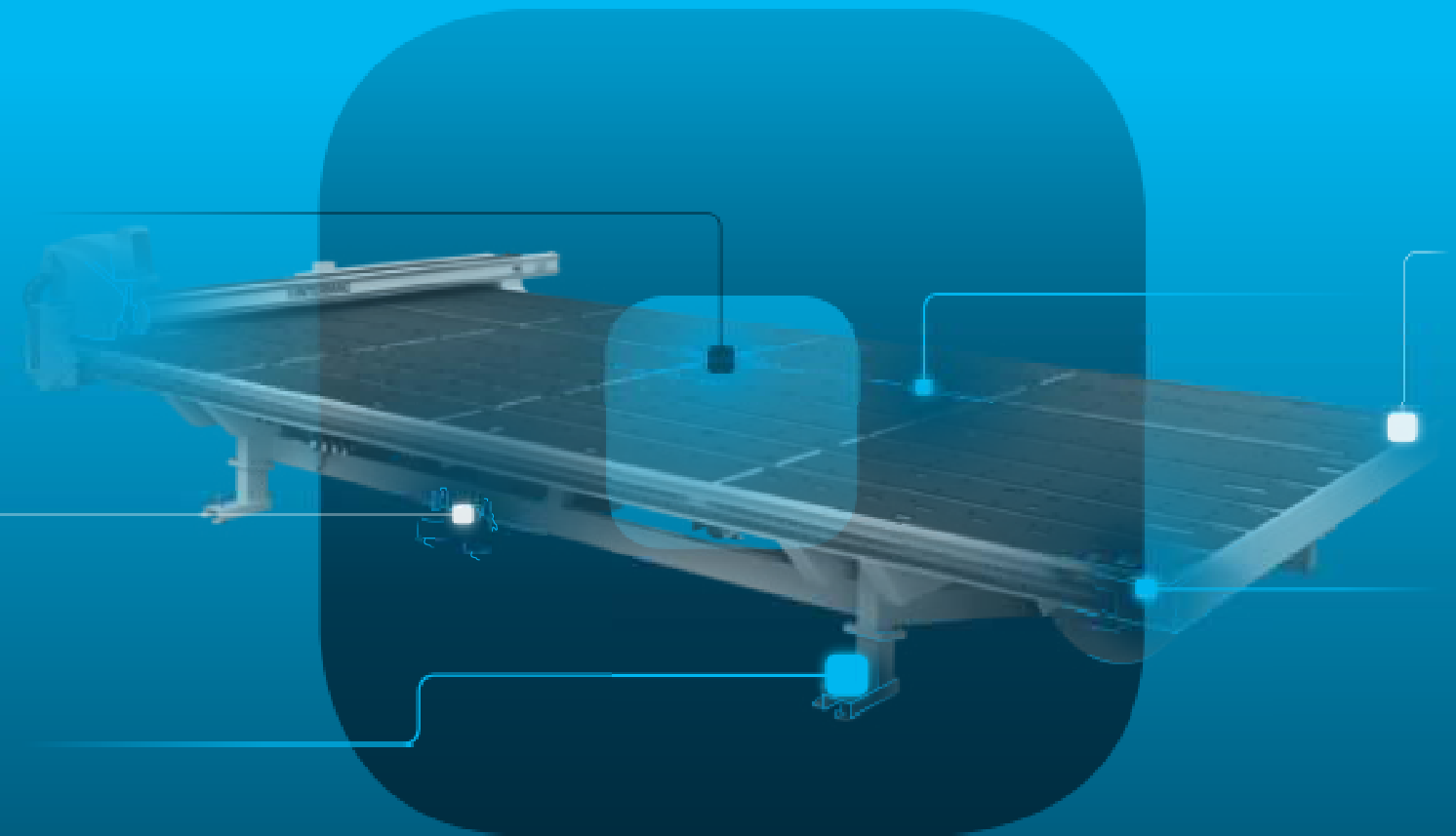
The technical specifications and drawings are non-binding. Some photos may show machines equipped with optional features. Biesse Spa reserves the right to carry out modifications without prior notice.

Weighted sound pressure level A (LpA) 77 dB. Uncertainty of measurement K = 4dB (A).

The measurement was carried out in compliance with UNI EN ISO 3746, UNI EN ISO 11202 and subsequent amendments. The noise levels shown are emission levels and do not necessarily correspond to safe operation levels. Even though there is a relation between emission levels and exposure levels, this cannot be used reliably to establish whether or not further precautions are necessary. The factors determining the actual noise levels to which the operating personnel are exposed include the length of exposure, the characteristics of the work environment, other emission sources (e.g. the number of machines and machining operations nearby). At any rate, the above information allows the operator to better evaluate dangers and risks.

SOPHIA

GREATER VALUE FROM MACHINES



The Intermac IoT platform which enables customers to access an extensive range of services to streamline and rationalise their work management processes.

☐ SERVICES

☐ PROACTIVITY

☐ ANALYSIS

 **INTERMAC**

in collaboration with **accenture**

SERV ICE & PARTS

Direct, immediate coordination of service requests between Service and Parts. Support for key customers from specific Intermac personnel, in-house and/or at the customer's site.

INTERMAC SERVICE

- ▣ Machine and line installation and start-up.
- ▣ Training centre for Intermac field technicians and subsidiary/dealer personnel; customer training directly at the customer's site.
- ▣ Overhaul, upgrade, repairs and maintenance.
- ▣ Remote diagnostics and troubleshooting.
- ▣ Software upgrade.

85

Intermac field technicians in Italy and worldwide.

20

Intermac technicians working in Teleservice Centre.

35

certified dealer technicians.

50

training courses in a variety of languages every year.

A photograph of a man from behind, wearing a white polo shirt with "SERVICE TEAM" printed in red on the back. He is looking towards a computer monitor in an office setting.

SERVICE TEAM

The Biesse Group promotes, cares and develops direct and constructive relationships with the customers to meet their needs, improve after-sales products and services through two dedicated areas: Intermac Service and Intermac Parts. With its global network and highly specialised team, the company offers on-site and on-line assistance and spare parts for machines and components anywhere in the world, 24/7.

INTERMAC PARTS

- ▀ Original Intermac spare parts and spare parts kits customised to suit the machine model.
- ▀ Spare part identification support.
- ▀ Offices of DHL, UPS and GLS couriers located within the Intermac spare parts warehouse, with multiple daily pick-ups.
- ▀ Optimised order dispatch time, thanks to a global distribution network with de-localised, automated warehouses.

95%
of machine downtime orders dispatched within 24 hours.

95%
of orders dispatched on time.

30
spare parts staff in Italy and worldwide.

150
orders processed every day.

INDUSTRY 4.0 READY

Industry 4.0 is the latest industry frontier, based on digital technologies and machines that speak to the companies.

The products can be interconnected with the production processes via smart networks.



Intermac's commitment is to transform our customers' factories with real-time technology, ready to guarantee digital manufacturing opportunities, with smart machines and software packages becoming vital tools that facilitate the daily tasks of people all over the world processing glass, stone, metal and more. Our philosophy is a practical one: to supply entrepreneurs with solid data that can help them to lower their costs, optimise their processes and improve their results.

AND THAT MEANS BEING 4.0 READY.

COMPLETE RANGE OF SOLUTIONS FOR GLASS



TABLES FOR FLOAT GLASS CUTTING



Genius RS-A

Genius CT-A series

Genius CT-PLUS

Genius CT-RED series

TABLES FOR LAMINATED GLASS CUTTING



Genius LM series

Genius LM-A series

MACHINES FOR LAMINATED AND FLOAT GLASS CUTTING



Genius Comby Lines

LINES FOR LAMINATED OR FLOAT GLASS CUTTING



Genius Lines & Systems

WATERJET



Primus series

DOUBLE ENDING MACHINES AND SYSTEMS



Busetti FK series



Busetti F series



Busetti P series



Customised solutions

WORK CENTRES



Master 23



Master ONE



Master 33.3-38.3-45.3



Master 33.5-38.5-45.5- 45.5 Plus



Master 63-65



Master 95



Master 185

SPECIAL WORK CENTRES AND AUTOMATIC CELLS

SPECIAL WORK CENTRES AND AUTOMATIC CELLS



Master with belts



Master working cell

WORK CENTRES ENGRAVING



Master 34

VERTICAL MACHINES

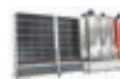


Vertmax series



V-Loader

VERTICAL WASHING MACHINES



Aqua series

TOOLS FOR GLASS



Diamut tools

STORAGE & HANDLING SYSTEMS

STATIC STORAGE



MOVETRO SERIES - Classifiers

CLASSIC DYNAMIC STORAGE



MOVETRO SERIES - Loading machines

INNOVATIVE DYNAMIC STORAGE FOR MASS PRODUCTION



MOVETRO SERIES - Shuttle storage systems

INNOVATIVE DYNAMIC STORAGE FOR DYNAMIC PRODUCTION



MOVETRO SERIES - Overhead crane - Telescopic loading machines - Arpa

MADE WITH INTERMAC

THE GLASS SPECIALISTS

Specialist Glass Products Limited are primarily a manufacturer and supplier of specialist and bespoke laminates, Curved laminates, annealed, toughened and double glazed form, supplying both the UK and overseas.

Specialist Glass purchased the Cutting Table to replace an existing table. "This not only resolved a major bottleneck in

the production process, it also had the added benefit of reducing secondary processing time together with a 30-40% increase in material efficiency, due to the cut quality."

"We wanted to increase productivity - confirms Jonathan Taylor, SGP - and after a few consultations with Intermac, we bought the cutting table with

a loading and unloading system. This reduced our cutting time by a massive 60% and we now have a continuous process with tandem working."



BIESSEGROUP.COM

LIVE THE EXPERIENCE



Interconnected technologies and advanced services that maximise efficiency and productivity, generating new skills to serve better our customer.

**LIVE THE BIESSE GROUP
EXPERIENCE AT OUR CAMPUSES
ACROSS THE WORLD**



 **BIESSEGROUP**

