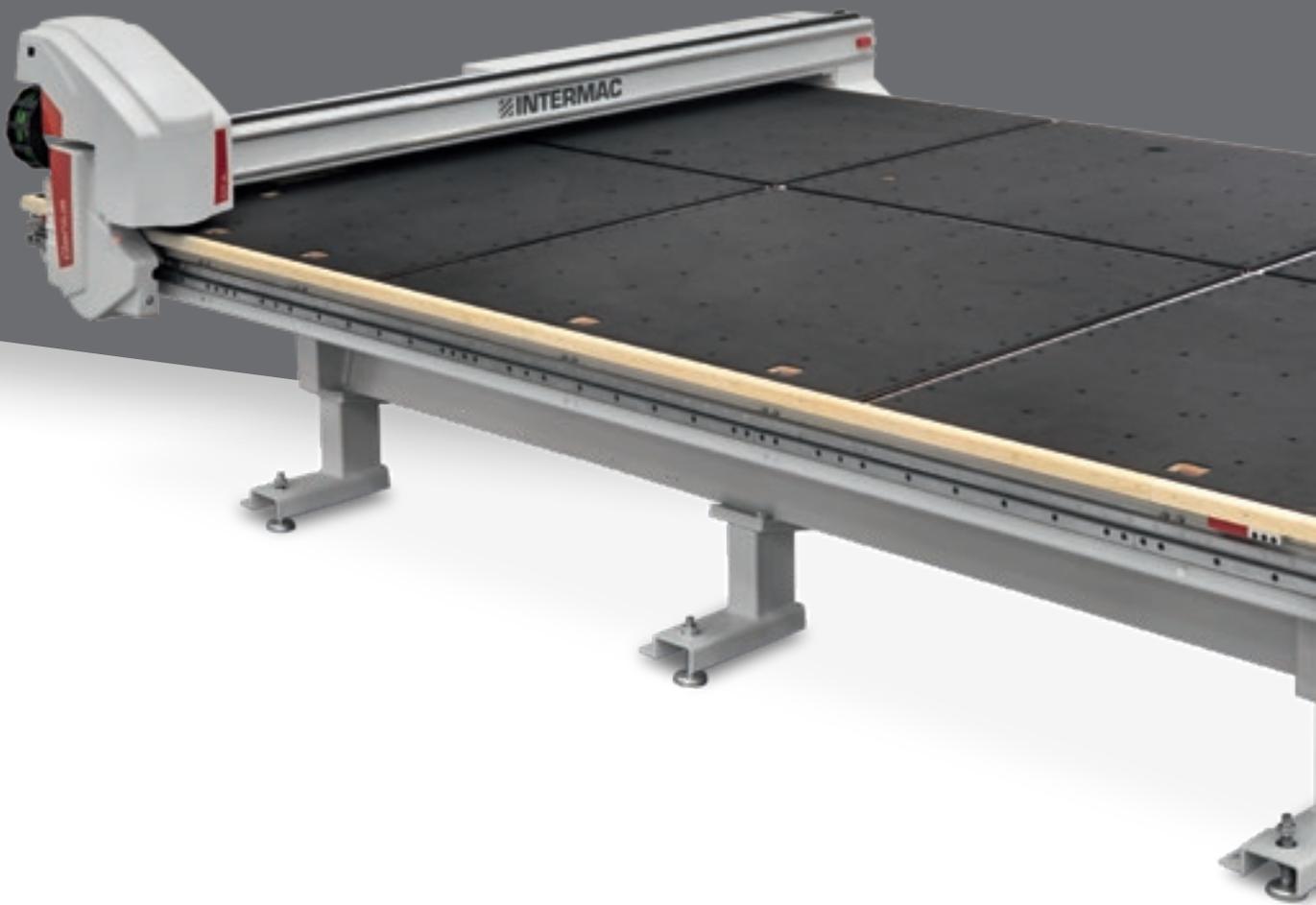


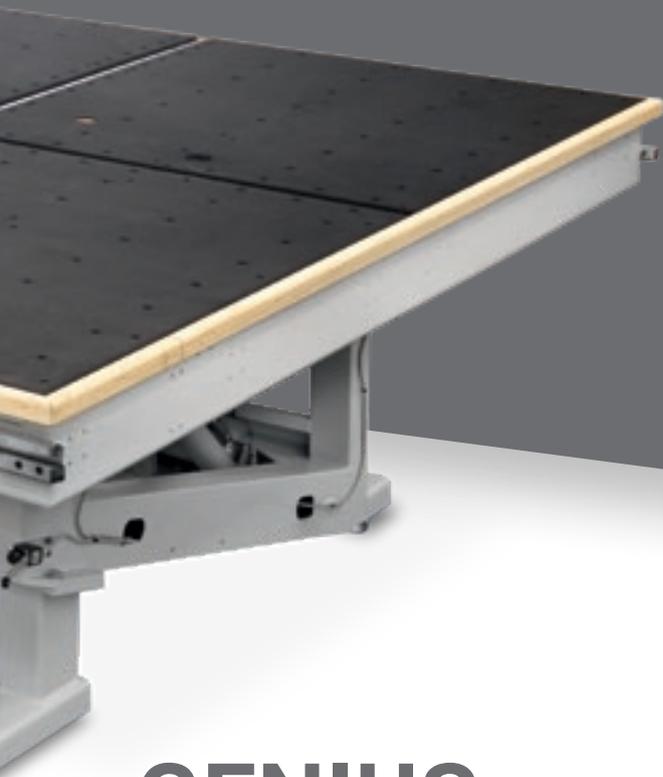
GE NIUS CT-A

CUTTING TABLES AND LINES
FOR FLOAT GLASS

QUALITY WITHOUT COMPROMISES



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

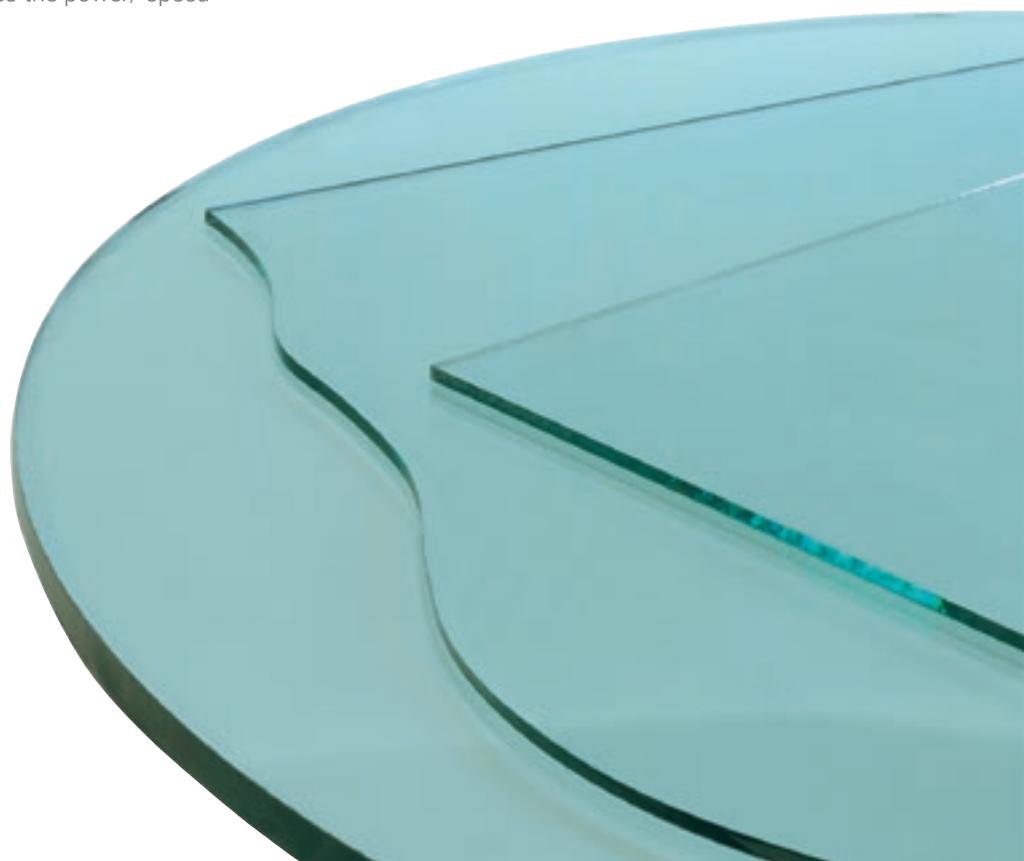
The transverse and longitudinal pneumatic bars enable break-out operations to be performed on glass.



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/sec²
- ▶ 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.

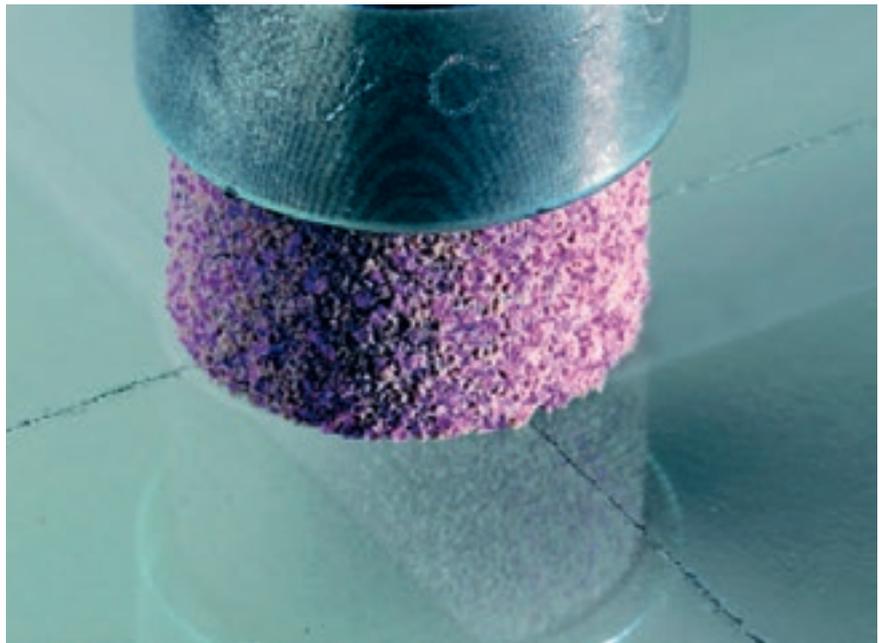
The working head is equipped with a laser reader that automatically detects the position of the sheet on the work table and also acts as a double zero for cutting laminated glass. In addition, it can be used for digitalising templates and models positioned on the work table.

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 a Biesse-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.

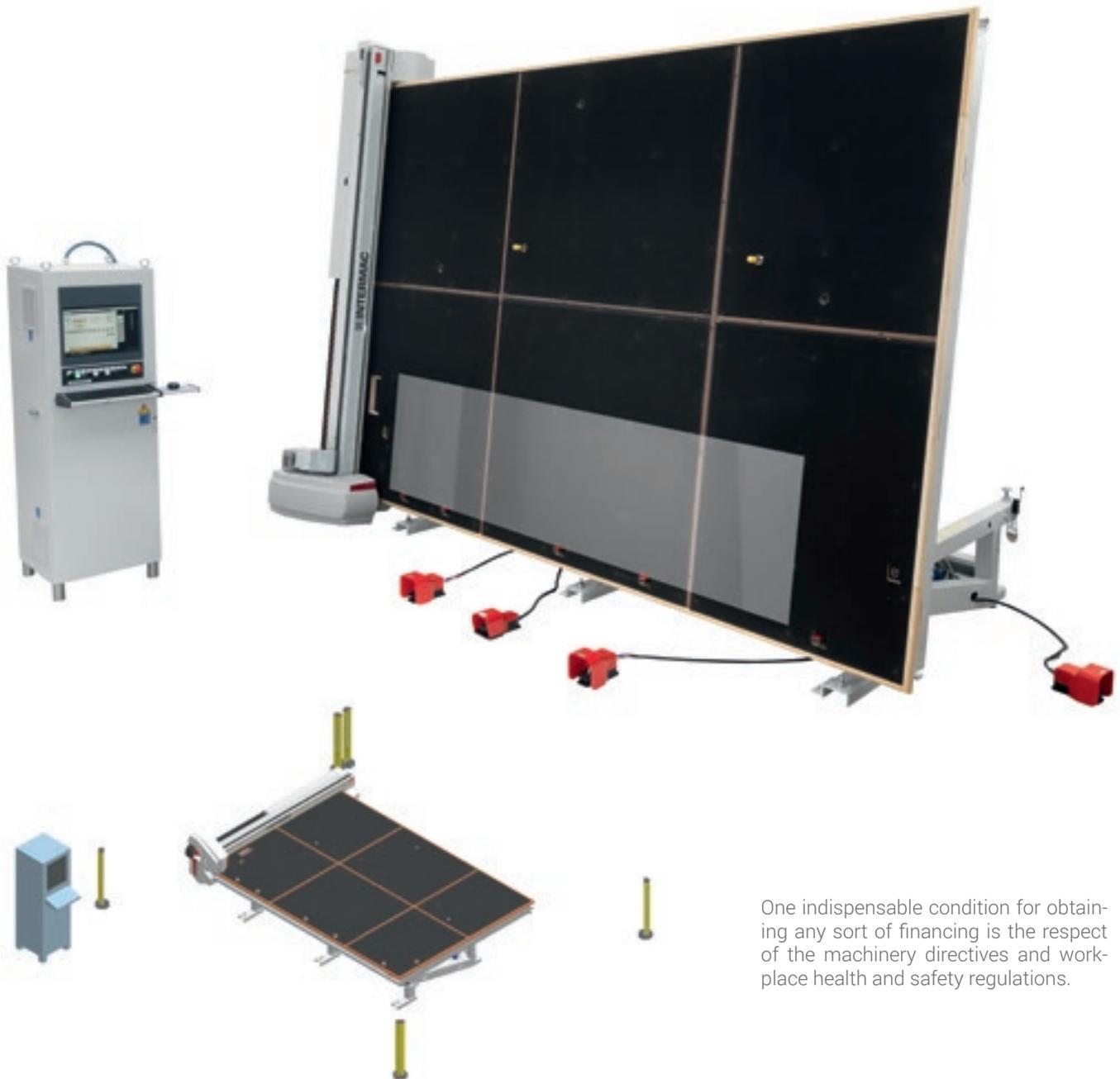
ERGONOMICS AND FACILITATED HANDLING

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.

Biesse 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)

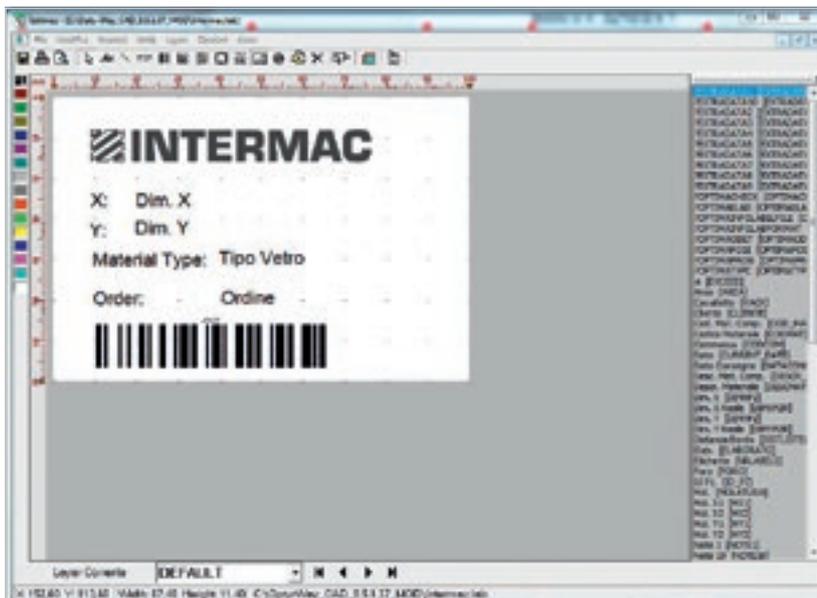
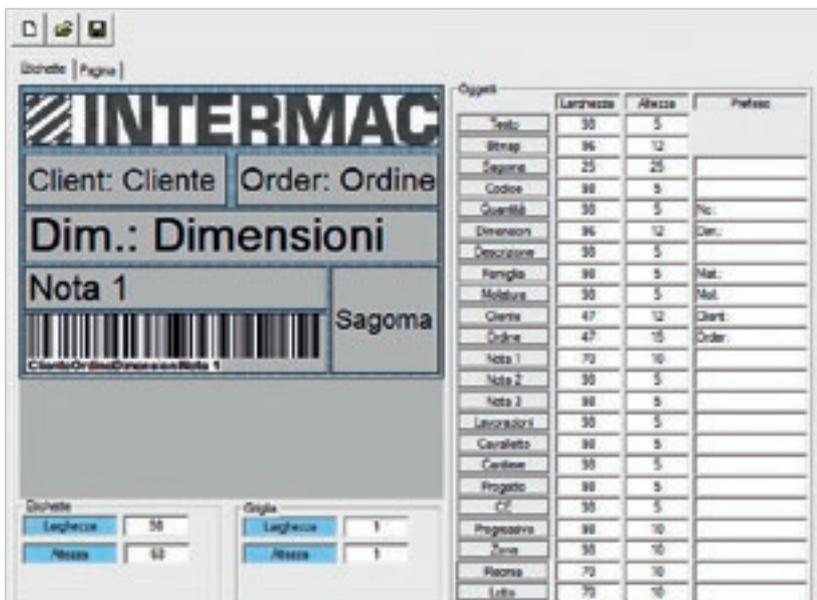
- Ideal both for those using CNC machines for the first time and operator who already have programming experience.
- Management of the working parameters of the machine.
- Creation and modification of cutting patterns and/or of geometric or non-geometric shapes.
- Modules for production report management.



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.

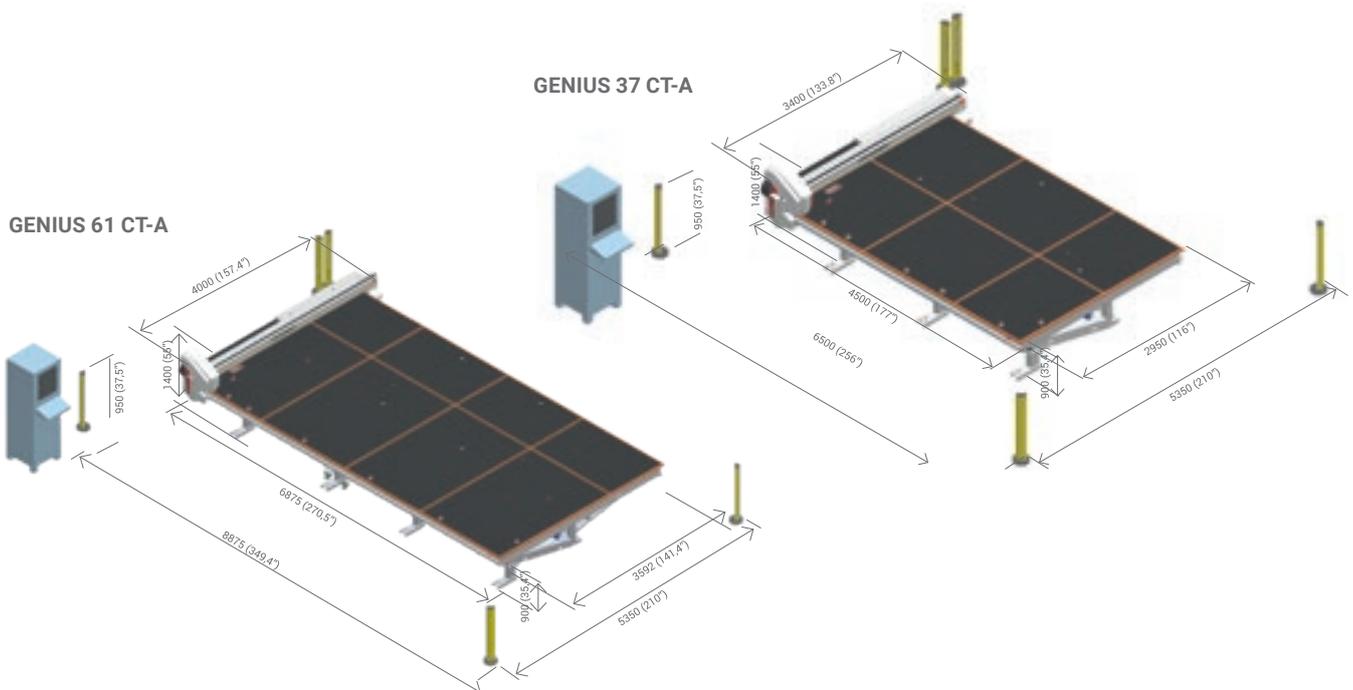


LABEL MANAGEMENT

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



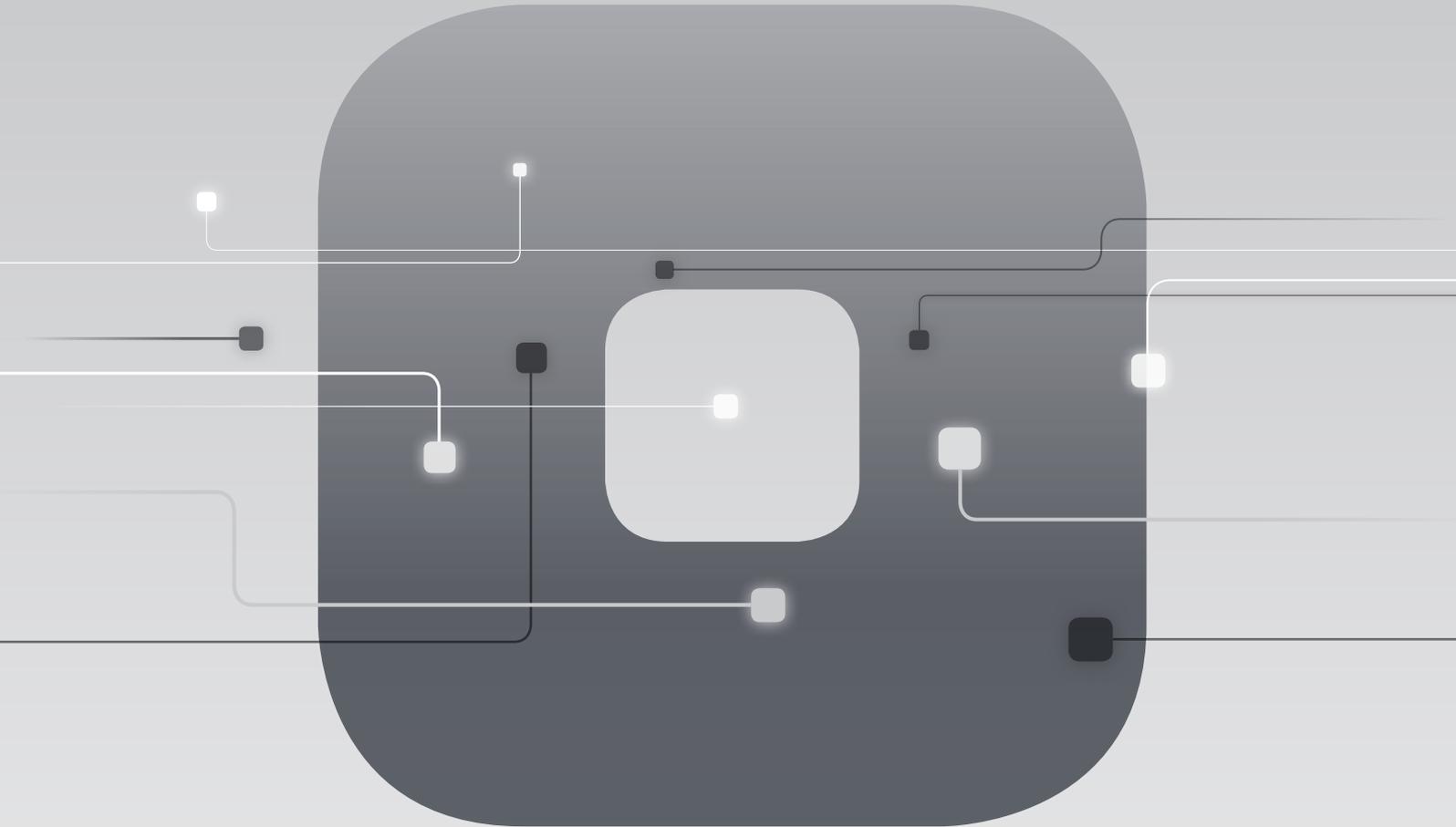
The technical specifications and drawings are non-binding. Some photos may show machines equipped with optional features. Biesse Spa reserves the right to carry out modifications without prior notice.

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

□ SERVICES

□ PROACTIVITY

□ ANALYSIS



CUSTOMER CARE IS WHO WE ARE

SERVICES is a new experience for our customers, to offer not just excellent technology but the added value of an increasingly direct connection with the company, the professionals who work there and the experience they embody.



ADVANCED DIAGNOSTICS

Digital channels for remote interaction online 24/7. Always ready to intervene on-site seven days a week.



A WORLDWIDE NETWORK

39 branch offices, over 300 certified agents, retailers in 120 countries, and spare parts warehouses in America, Europe and the Far East.



SPARE PARTS AVAILABLE IMMEDIATELY

Identification, shipping and delivery of spare parts for every need.



EVOLVED TRAINING OPPORTUNITIES

Lots of on-site, online and classroom training modules for personalised growth.



VALUABLE SERVICES

A wide range of services and software packages to help our customers achieve continuous improvements in performance.

AN EXCELLENT LEVEL OF SERVICE

+550

HIGHLY SPECIALISED
TECHNICIANS AROUND
THE WORLD, READY TO HELP
CUSTOMERS WITH EVERY
NEED

90%

OF MACHINE DOWN CASES
WITH RESPONSE TIME
UNDER 1 HOUR

+100

EXPERTS IN DIRECT
CONTACT THROUGH
REMOTE CONNECTIONS
AND TELESERVICE

92%

OF SPARE PARTS ORDERS
FOR MACHINE DOWNTIME
PROCESSED WITHIN 24
HOURS

+50.000

ITEMS IN STOCK IN THE
SPARE PARTS WAREHOUSES

+5.000

PREVENTIVE MAINTENANCE
VISITS

80%

OF SUPPORT REQUESTS
SOLVED ONLINE

96%

OF SPARE PARTS ORDERS
DELIVERED IN FULL ON TIME

88%

OF CASES SOLVED WITH
THE FIRST ON-SITE VISIT

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.



Biesse'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.

MADE WITH BIESSE

THE GLASS SPECIALISTS

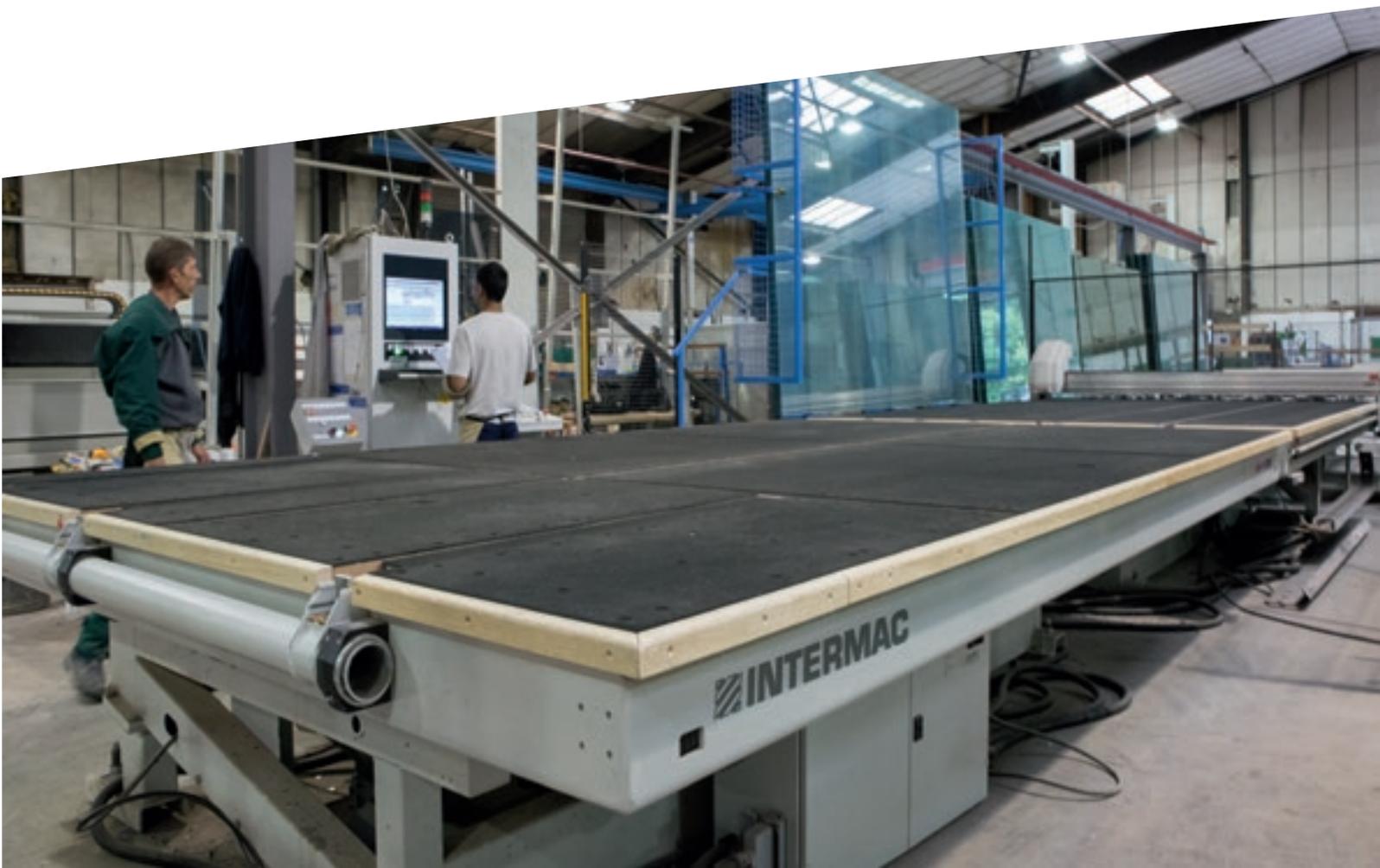
Specialist Glass Products Limited are primarily a manufacturer and supplier of specialist and bespoke laminates, Curved laminates, annealed, toughened and double glazed form, supplying both the UK and overseas.

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 Inter-mac, 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."



Founded in Italy,
international native.

We simplify your
manufacturing
to make the process
of any material



ur
g process
potential
I shine.

We are an international company that manufactures integrated lines and machines to process wood, glass, stone, plastic and composite materials and what will come next.

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

Master of materials, since 1969.

Join the
Biesse world.

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



