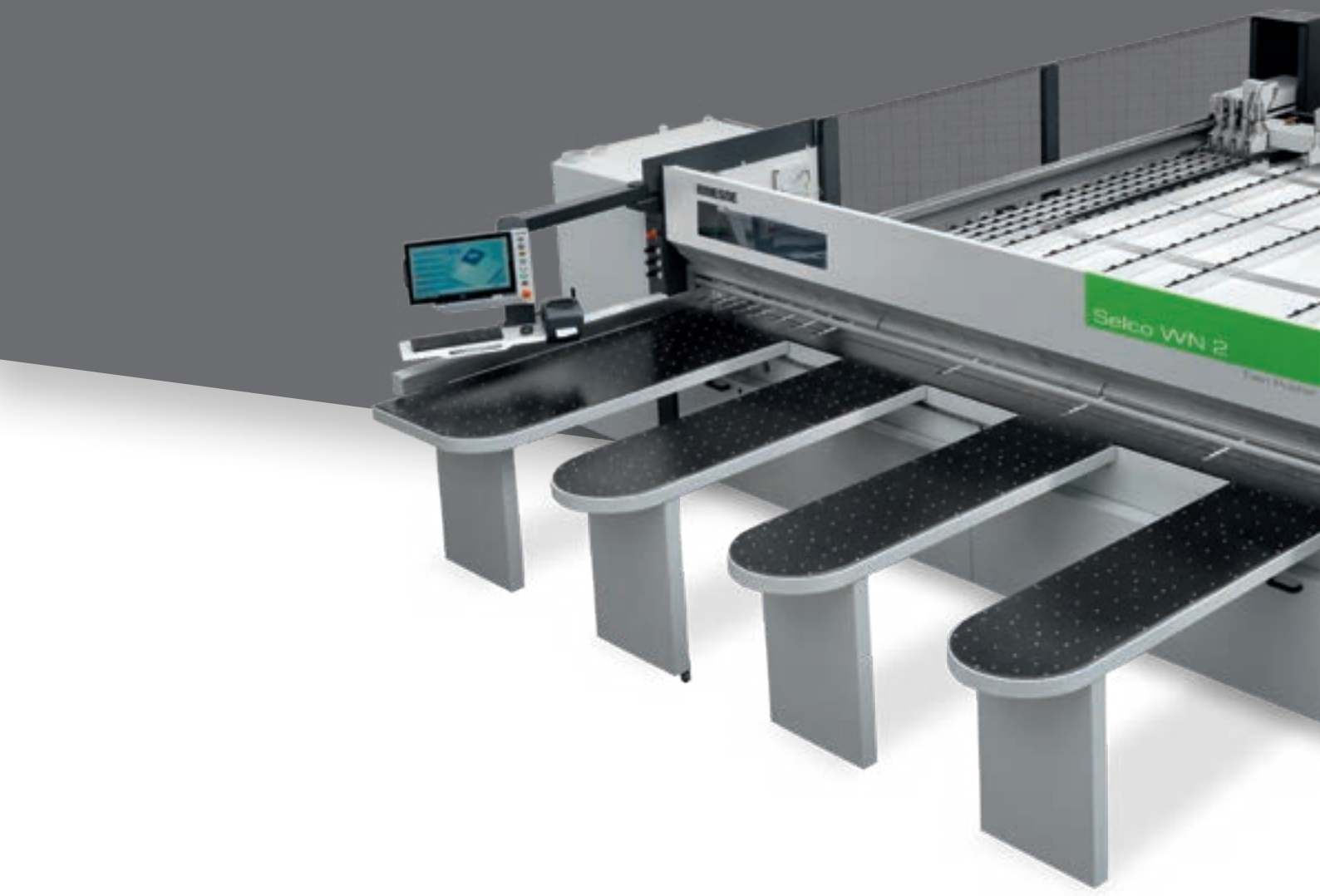
SELCO WN 2

NUMERICAL CONTROL BEAM SAWS

Biesse

SECURE INVESTMENT FOR FUTURE GROWTH AND EXPANSION



THE MARKET EXPECTS

a change in manufacturing processes that enables companies to accept the largest possible number of orders. This is coupled with the need to maintain high quality standards whilst offering product customisation with quick and defined delivery times.

BIESSE RESPONDS

with technological solutions that enhance and support technical expertise as well as a knowledge of processes and materials. **SELCO WN2** is the beam saw centre for the small business that decides to make a first investment to improve production and machining quality by passing from conventional manual machinery to real cutting technology which is reliable and easy to use at a low cost.

SELCO WN 2

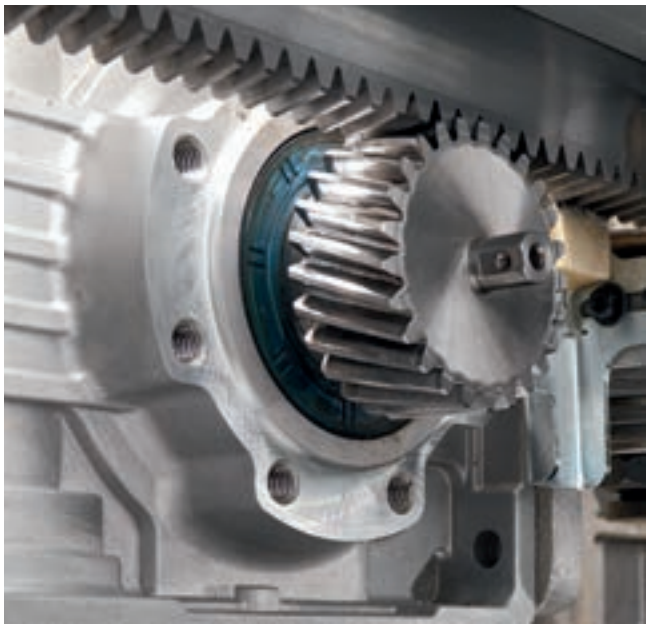
- CUTTING PRECISION AND QUALITY
- RELIABLE TECHNOLOGY BASED ON EXPERIENCE GAINED WITH SUPERIOR RANGES
- SIMPLE, QUICK TOOLING AND ADJUSTMENT
- EASY TO USE, WITH OPTIMISED MACHINING OPERATIONS

CUTTING PRECISION AND QUALITY

Robust, balanced structure ensuring maximum stability. Specially-designed technologies to guarantee precision and rigidity.

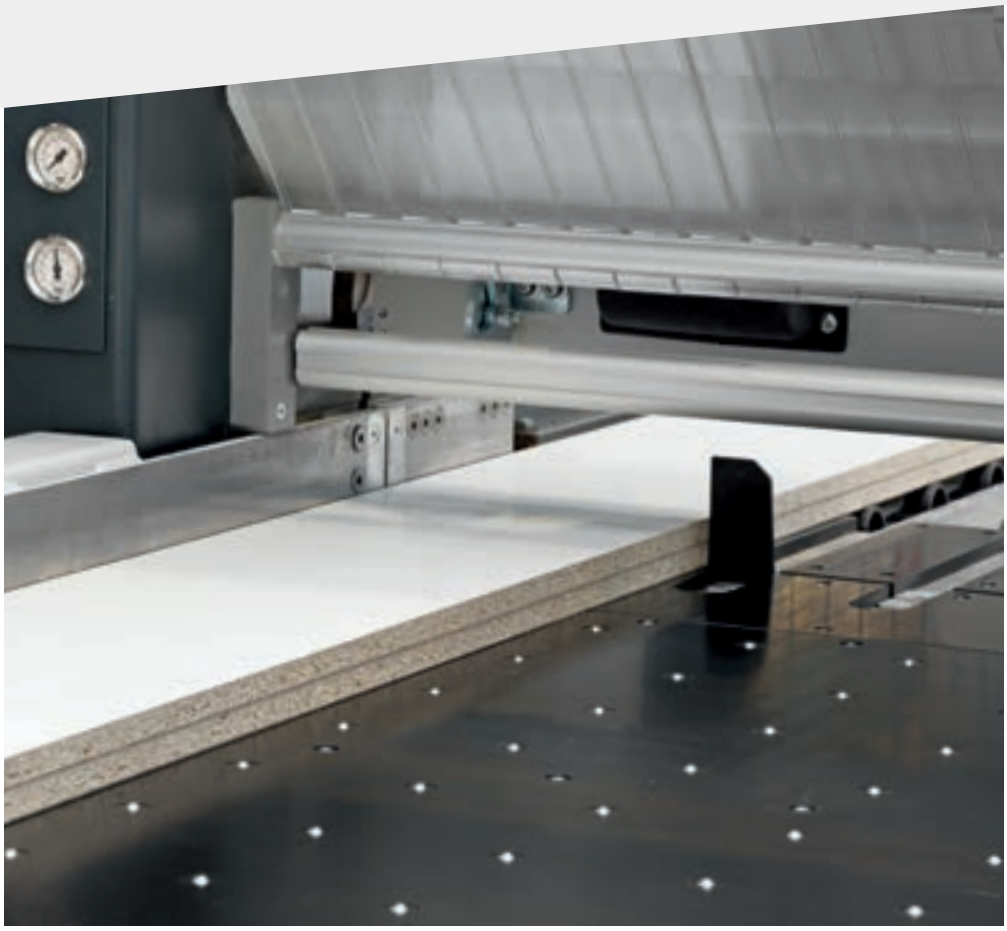
The presser has a structure that guarantees consistent, controlled pressure on the book of panels to be cut.

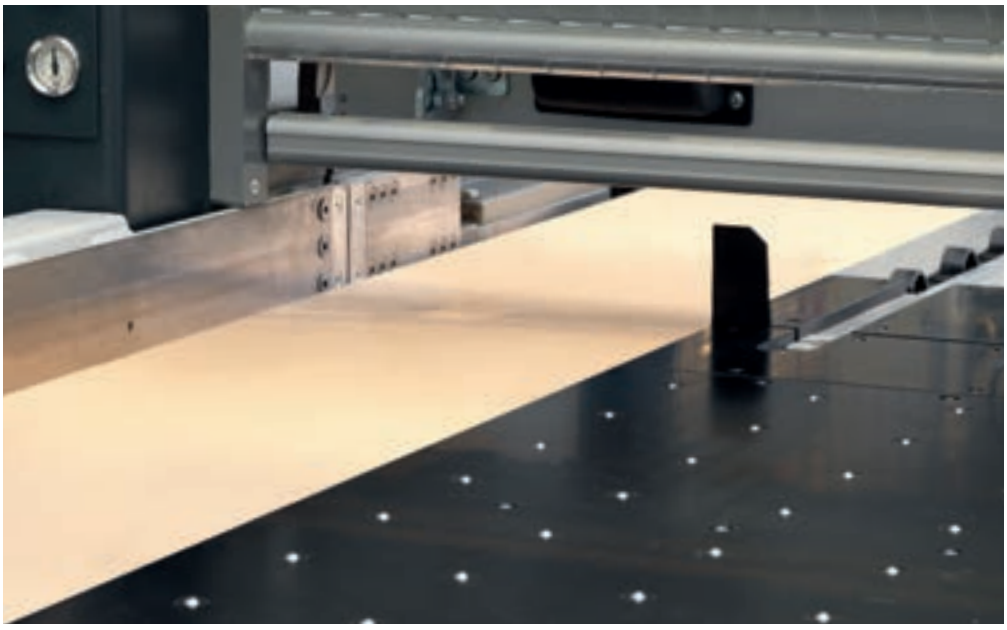
Precise, quick positioning of panels for maximum cutting precision thanks to the sturdy pushing carriage. The self-levelling, independent grippers ensure that the panels are firmly locked in place, and allow for the full expulsion of sectioned stacks from the cutting line.



The helical geometry of the rack and pinion system ensures linear vibration-free movement of the blade carriage in all working conditions.

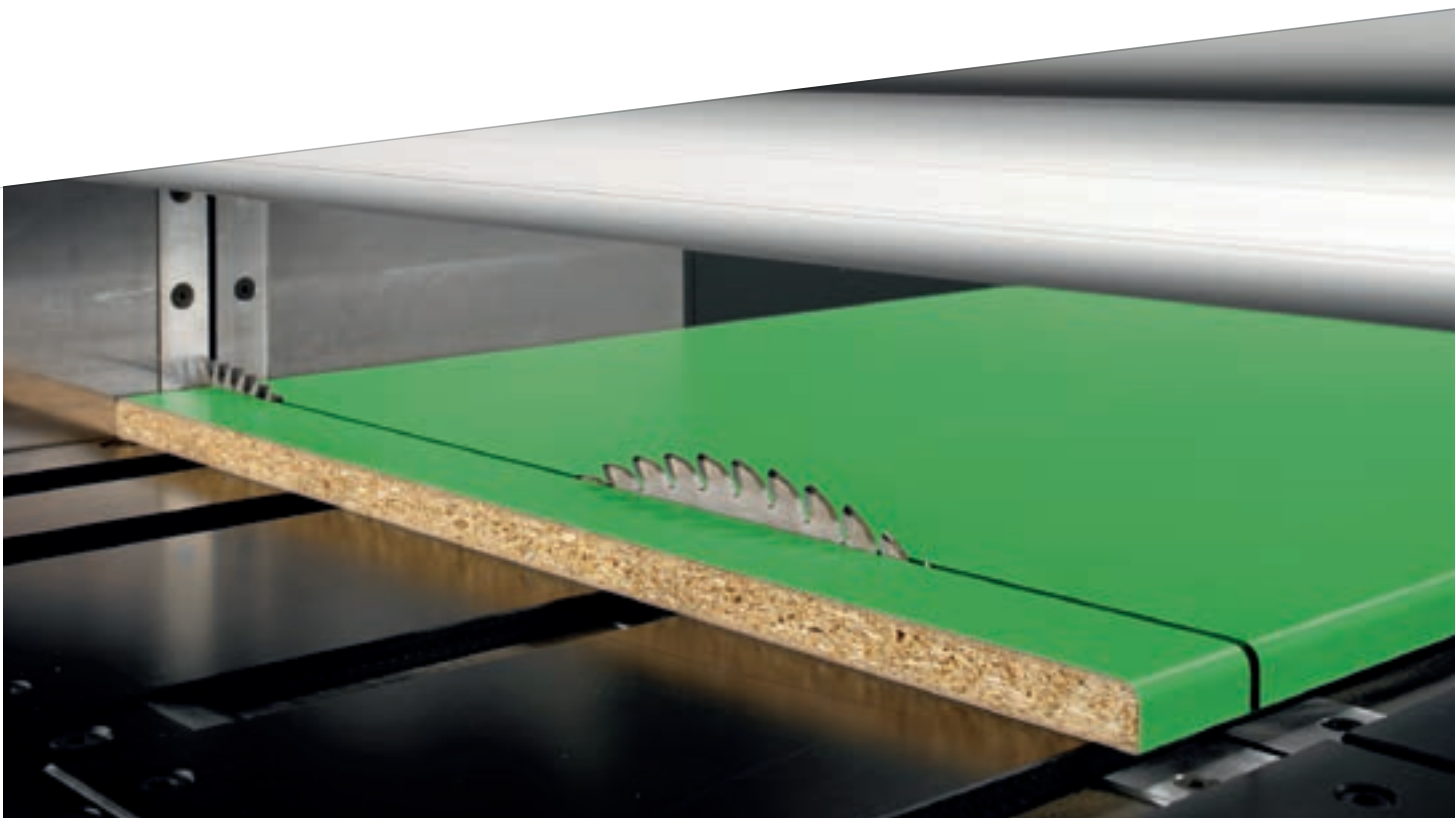
UNIQUE TECHNICAL SOLUTIONS ON THE MARKET, TO SATISFY EVEN THE MOST RIGOROUS PRODUCTION DEMANDS, IN TERMS OF BOTH PRECISION AND FLEXIBILITY.





Perfect alignment of very thin and/or flexible panels.

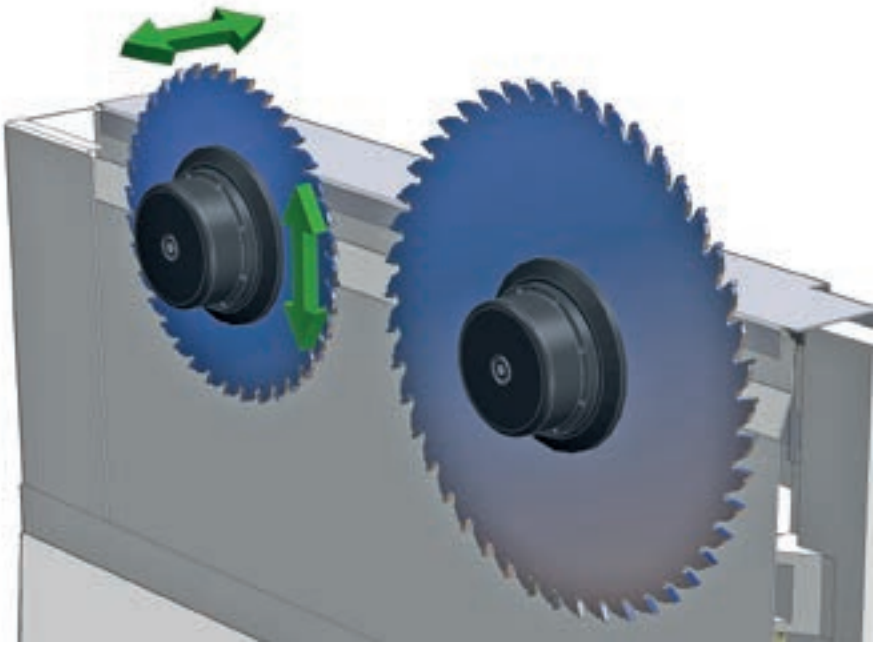
TECHNOLOGICAL SOLUTIONS FOR EVERY MACHINING NEED



PFS function, avilable on Selco WN 250 machine, for making cuts on soft and post-formed panels. A special NC program that ensures the perfect finish of both the entrance point and the exit profile, preventing any splintering of fragile, delicate materials (patented).

System for the automatic execution of grooves, the width of which can be programmed via the numerical control. The groove depth can be adjusted manually from the outside of the machine and with the blades moving.

SIMPLE, QUICK TOOLING AND ADJUSTMENT

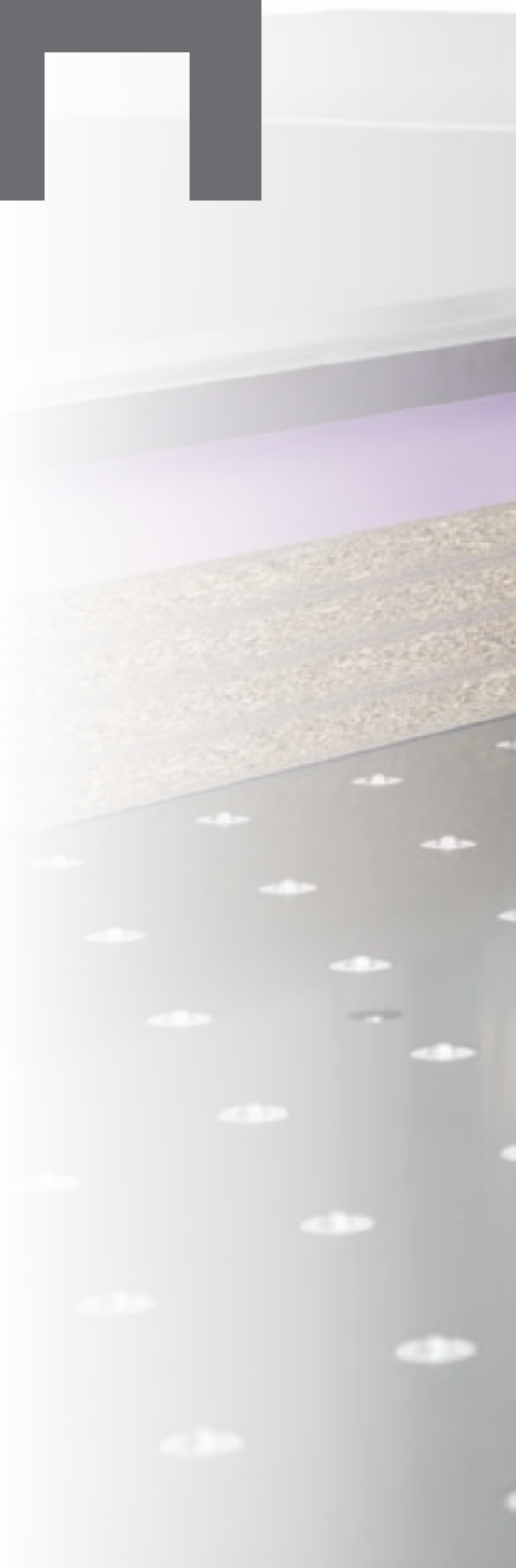


The Quick change system, patented by Biesse, is the quickest, safest and most ergonomic device for replacing blades without using specific tools.

Fast, accurate setting of the scoring and main blades, using Digiset system. The system also stores the information for each set of blades, ensuring repeatable and accurate alignment every time.

RELIABLE TECHNOLOGY BASED ON EXPERIENCE GAINED WITH HIGHER RANGES.

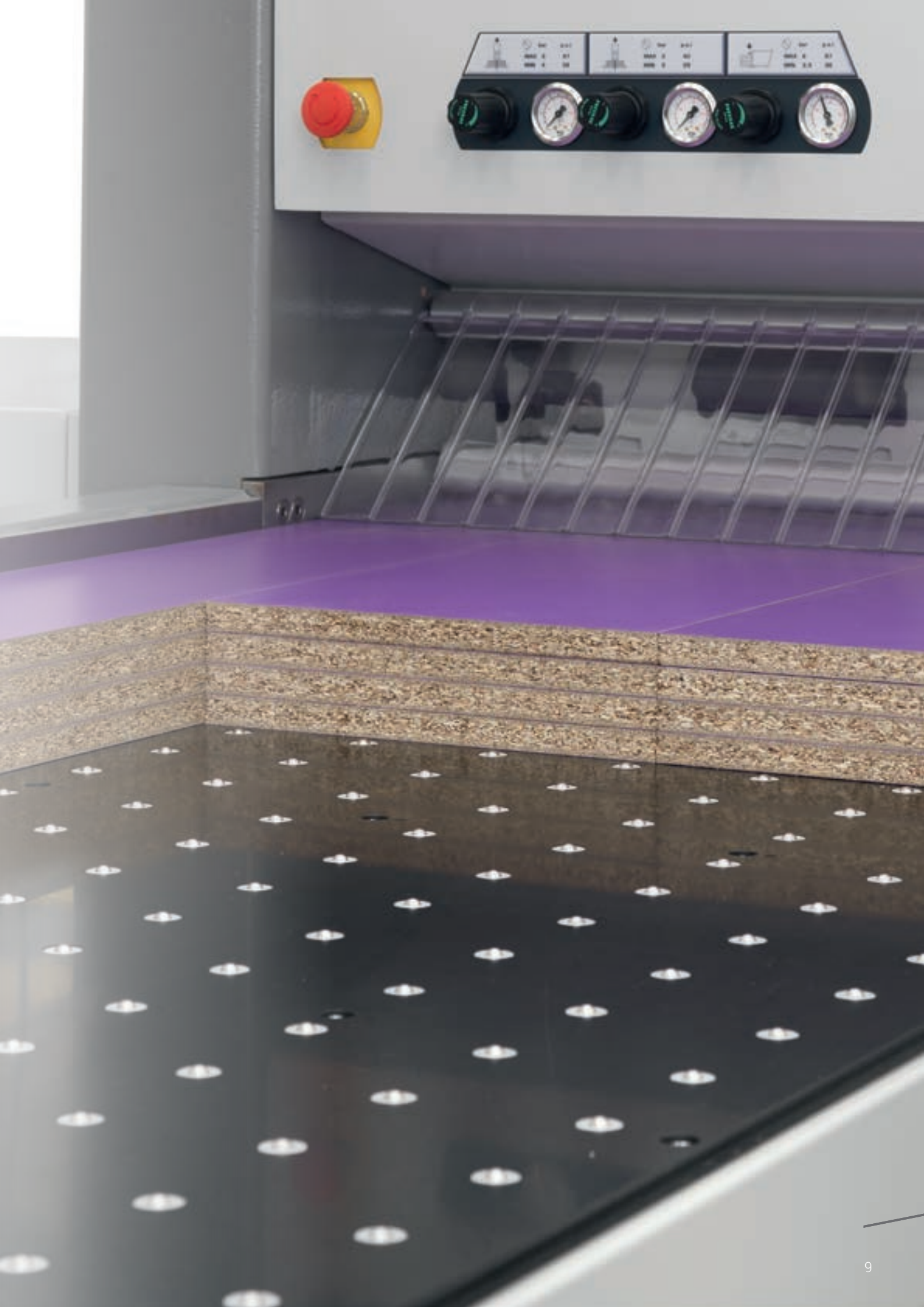
TWIN PUSHER



TWO BEAM SAWS IN ONE

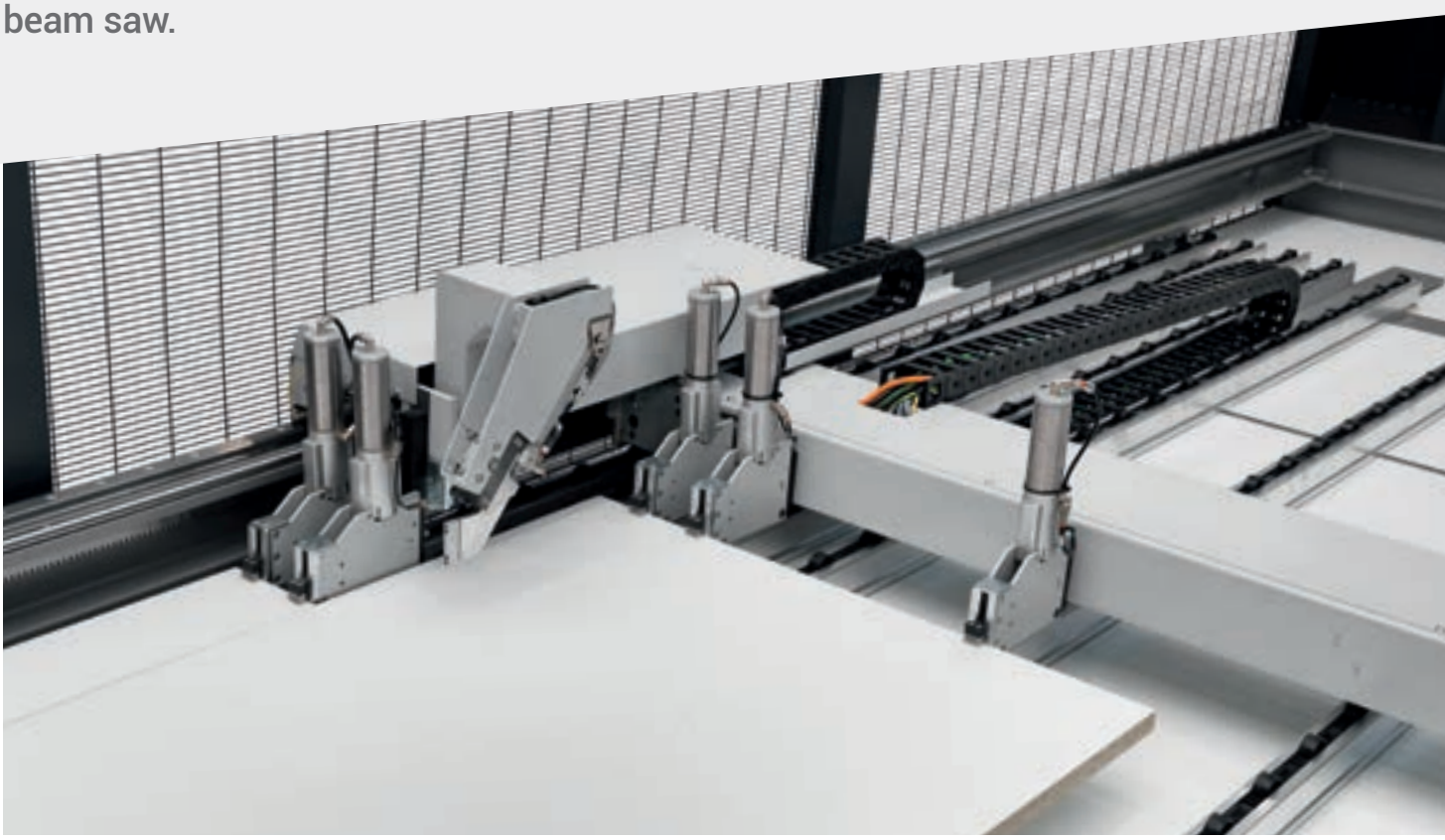
The Twin Pusher, an exclusive patent for all Biesse beam saws, consists of two complementary pushing devices. An additional stop allows independent cutting of strips of up to 650 mm wide.

Increased productivity by up to 25%, optimum management of production efficiencies and a ROI within the first year.

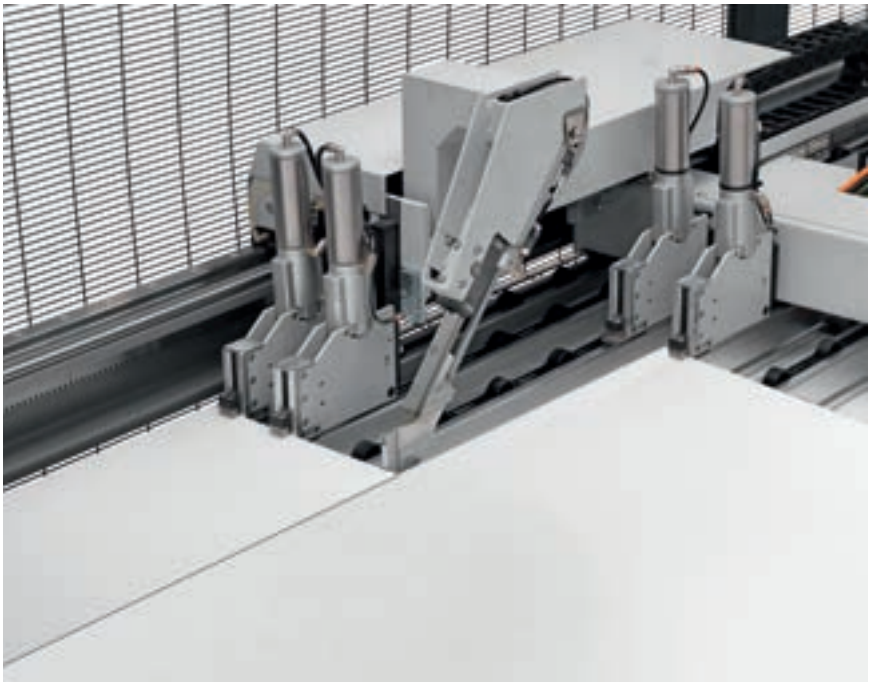


PRODUCTIVITY INCREASE OF UP TO 25%

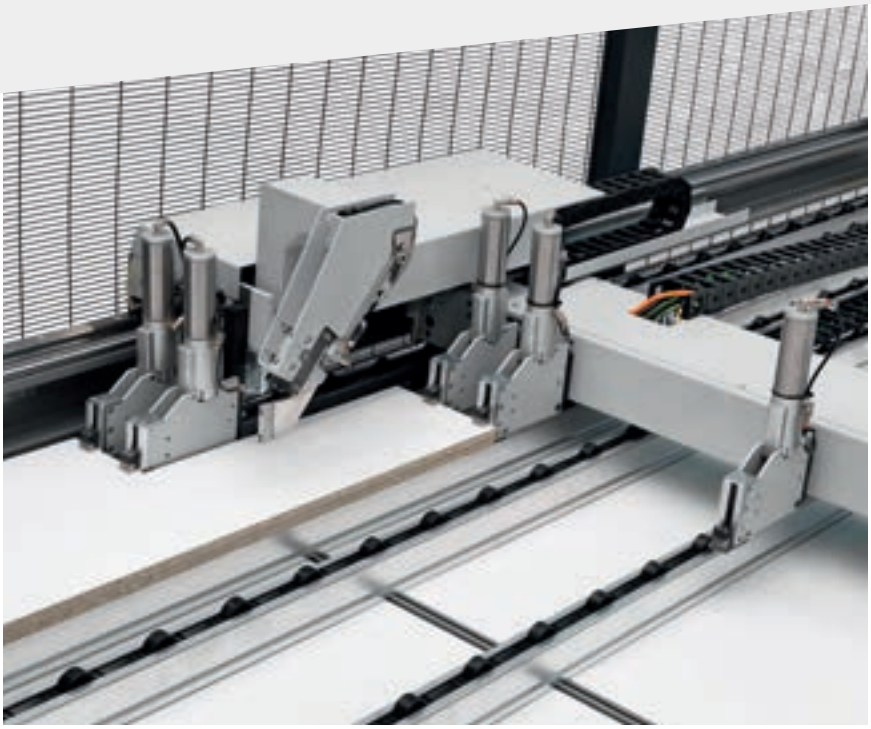
SELCO WN 250. Two cutting stations on a single beam saw.



The Twin Pusher system offers an additional pushing device consisting of two fixed collets. It permits simultaneous cutting, which drastically reduces the cycle time.

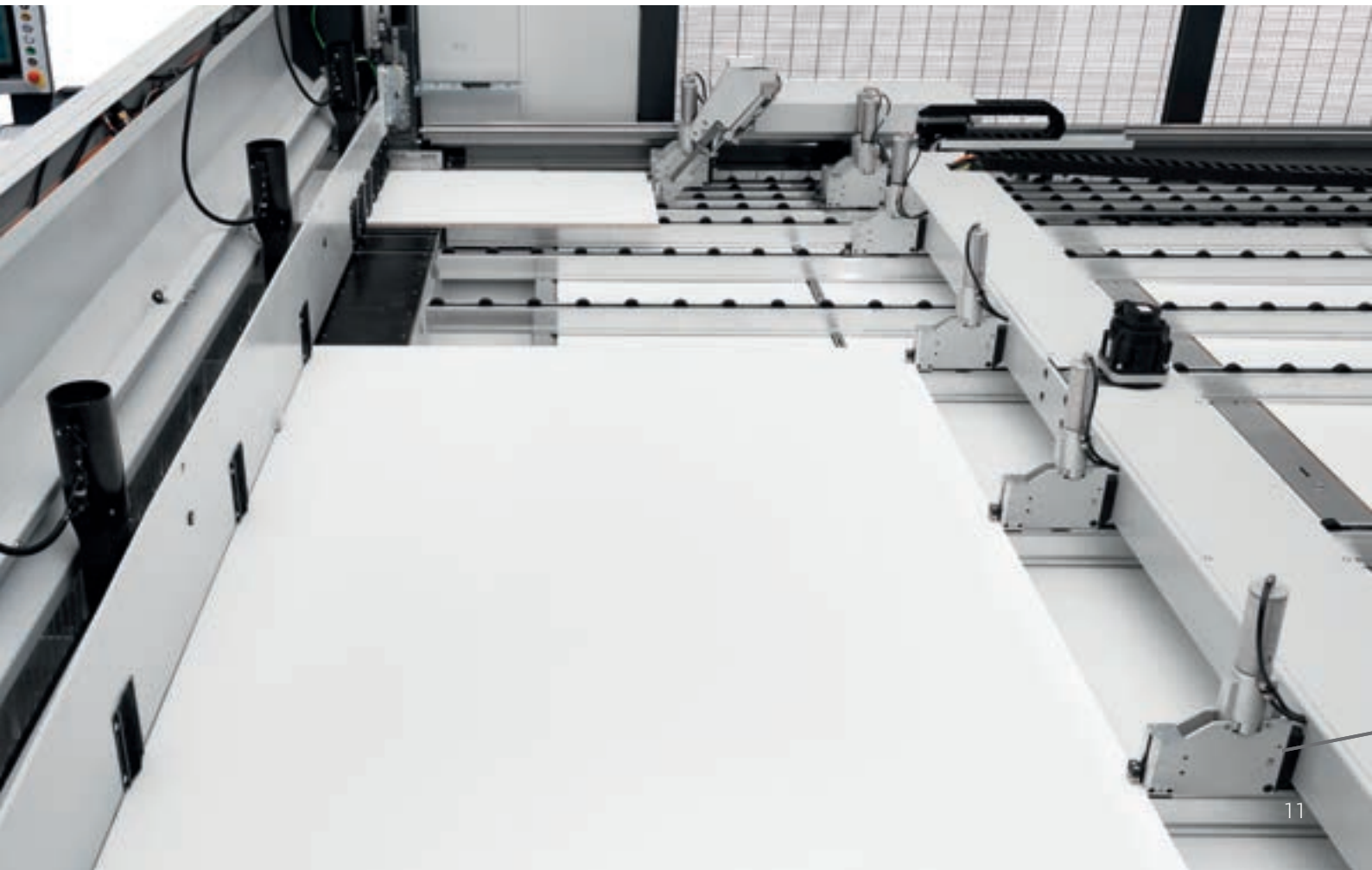


Differentiated cross cut.

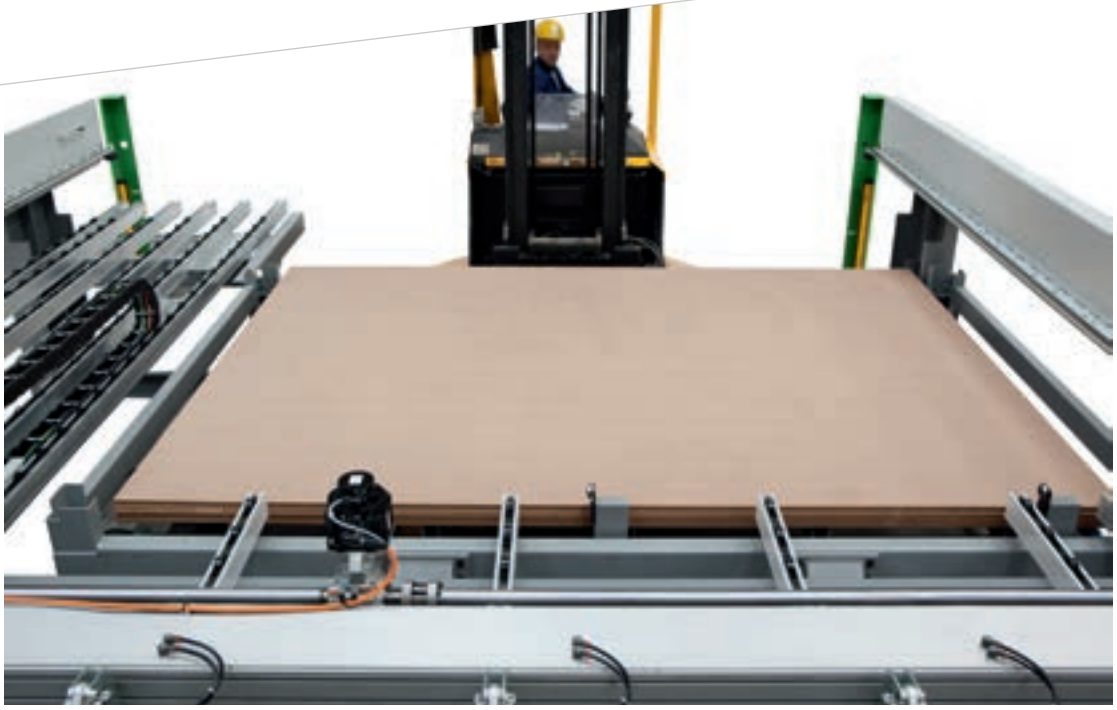


Differentiated cross cut for narrow strips.

Rip and cross-cuts are performed at the same time. An additional stop allows independent cutting of strips of up to 650 mm wide.



REDUCED PANEL LOADING TIMES



The compact, integrated lifting table allows for packs of panels of up to 630 mm to be loaded directly onto the steel profiles. The lifting table can also be installed as an option.

The grippers automatically pick up the required amount of panels according to the working programme underway, increasing the efficiency and safety of the beam saw without affecting the compact overall dimensions.

PIECE IDENTIFICATION AND INTERLOCKING

Labelling
A special software creates individual labels and prints them in real time, on the machine.

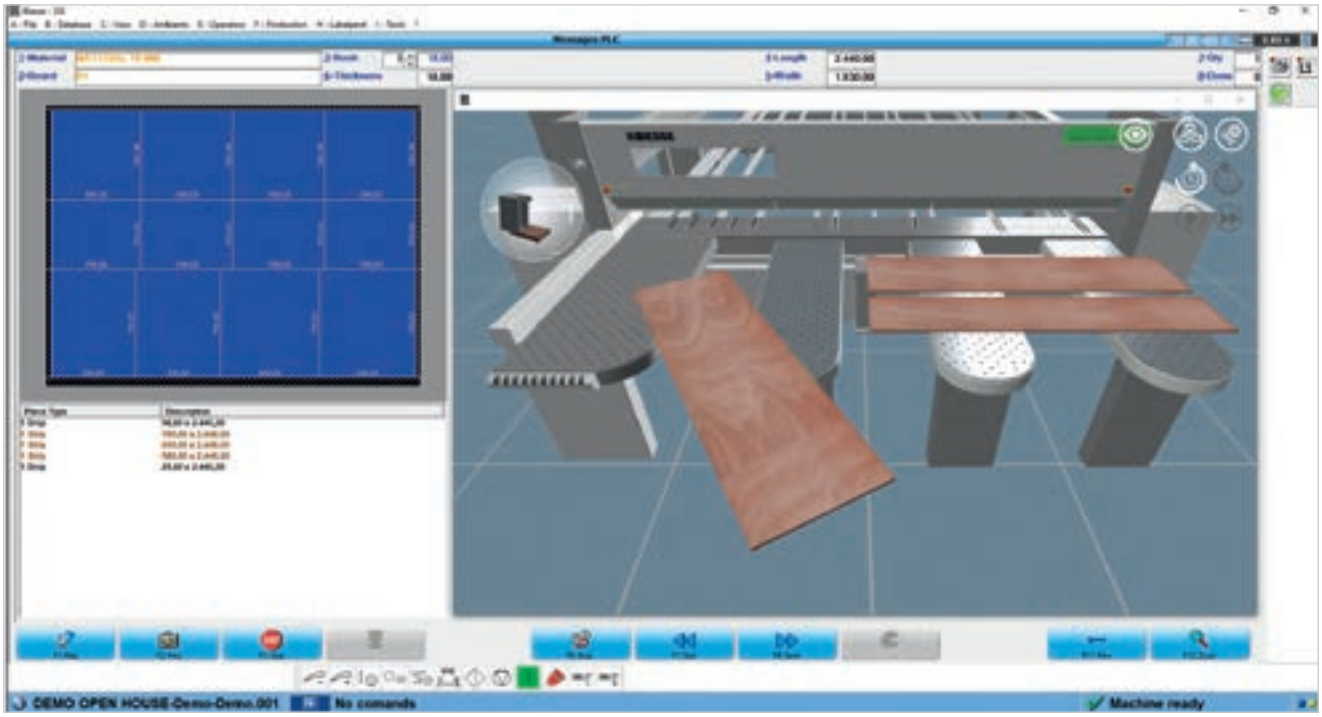
Barcode scanner
Device for automatically accessing machine operation patterns, for automated management of the remaining reusable cut material.

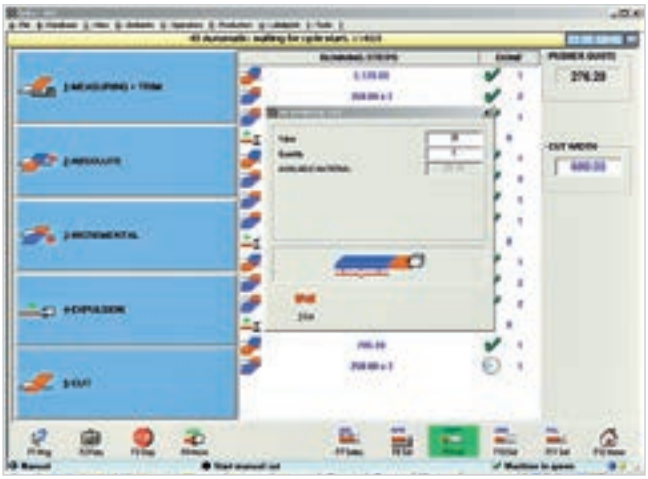
EASY TO USE, WITH OPTIMISED MACHINING OPERATIONS

The OSI (Open Selco Interface) numerical control guarantees the management of the execution of cutting patterns, and optimizes all movements relative to controlled axis (i.e. Pusher and Saw Carriage, pressure beam, blade height). It ensures the blade protrudes from the book to the correct degree during sectioning, and calculates the most suitable cutting speed on the basis of the book height and trim cut width. It helps ensure the best cutting quality at all times.

Easy cutting pattern programming.

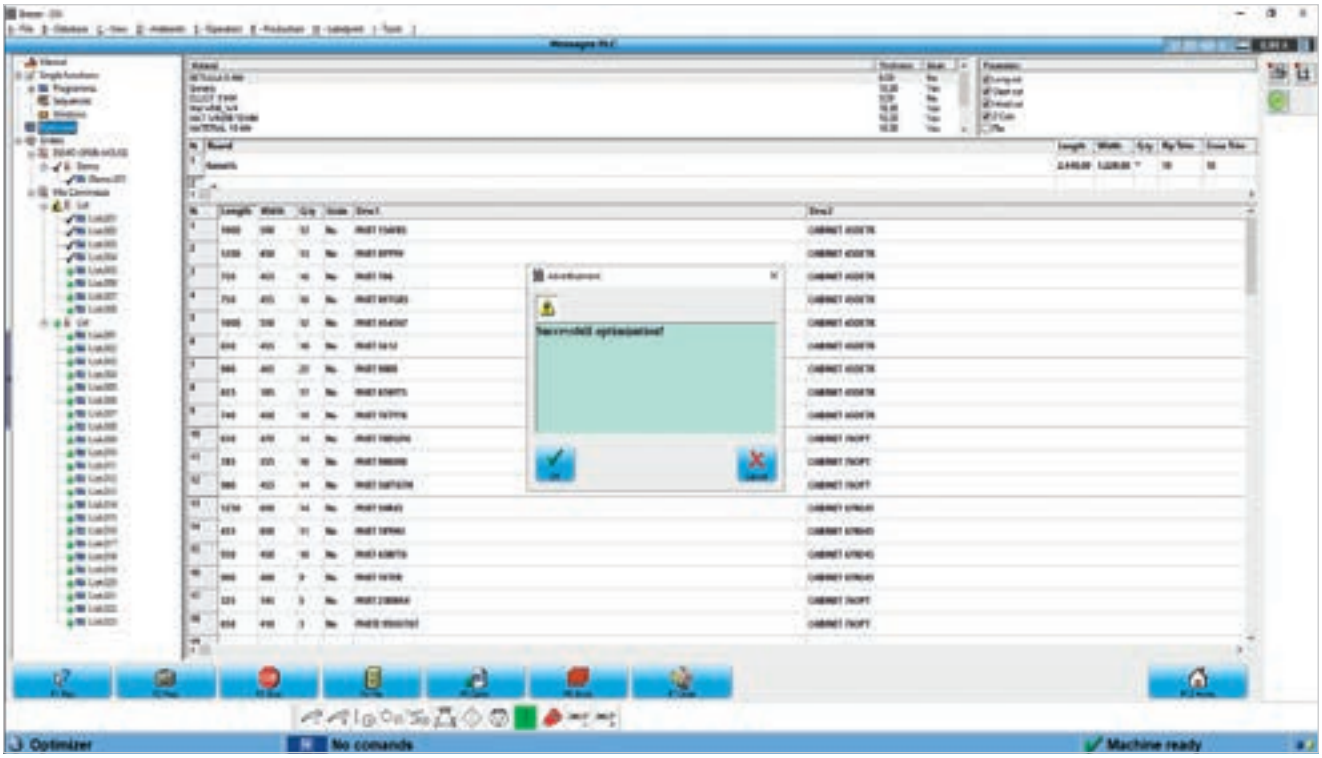
Graphic simulation in real time, with messages and information for the operator.





Interactive program for the quick, easy execution of cuts and grooves, even on recycled panels.

An effective diagnosis and troubleshooting program provides complete information (photos and text) to ensure that any problems are quickly resolved.



Quick Opti
Simple, intuitive software for optimising the cutting patterns directly on the machine.*

SOFTWARE FOR THE SMART, ASSISTED MANAGEMENT OF CUTTING PATTERNS

B_OPTI IS THE SOFTWARE FOR OPTIMISING CUTTING PATTERNS, DEVELOPED ENTIRELY BY BIESSE. BASED ON THE LIST OF PIECES TO BE PRODUCED AND THE PANELS AVAILABLE, IT CAN CALCULATE THE BEST SOLUTION TO MINIMISE MATERIAL CONSUMPTION, SECTIONING TIMES AND PRODUCTION COSTS.

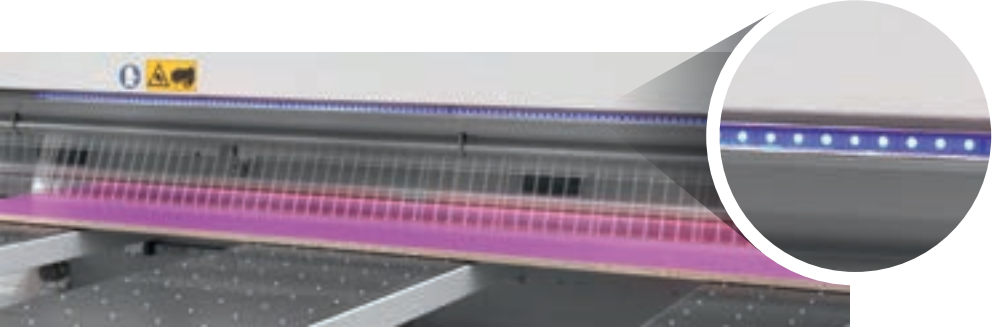
- Simple, user-friendly interface.
- Excellent reliability of the calculation algorithms for production batches in small and large companies.
- Automatic import of the cutting list generated by the software for the design of furniture items and/or ERP management systems.

TRACKING LIGHT

SOLUTION FOR THE SIMPLE, ERGONOMIC AND EFFICIENT USE OF THE MACHINE.

Tracking Light is the technological solution, with a band of dynamic LEDs on the cutting line, developed by Biesse to help the operator in the various work phases. The LEDs assume different colours to indicate the various steps of the task, acting as a guide and making the use of the machine simple and intuitive. The operator can monitor the machine status safely at any time, without checking the simulation on the monitor and avoiding any risk of error.

WHITE LEDs
The flashing white LEDs indicate the phase of panel loading on the machine, and the width of the piece to be loaded.



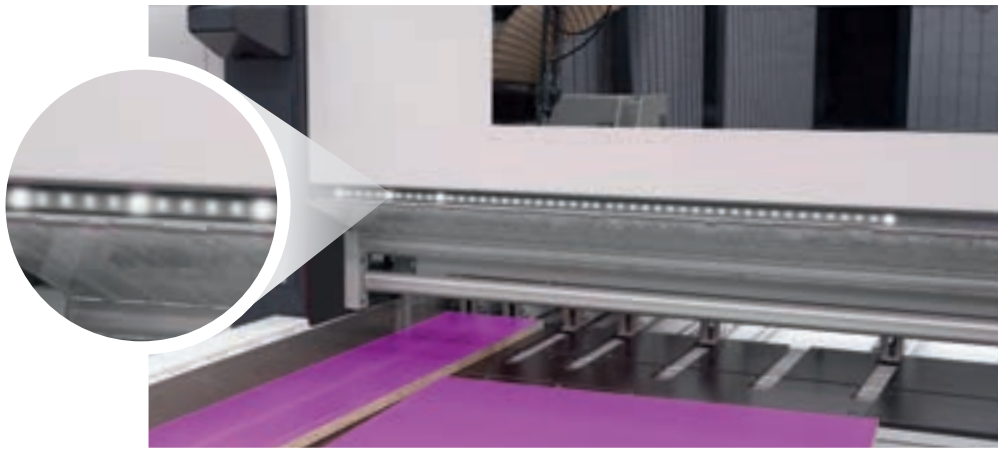
BLUE LEDs
The blue LEDs indicate that the panel is being machine, and that the outfeed parts need further processing.

TRACKING LIGHT HELPS THE OPERATOR DURING MANUAL TASKS, ACTING AS A GUIDE THROUGHOUT THE PROCESS

- No risk of mistakes
- Optimised management of the task
- Smooth, efficient cutting cycles
- User friendly
- Practical design

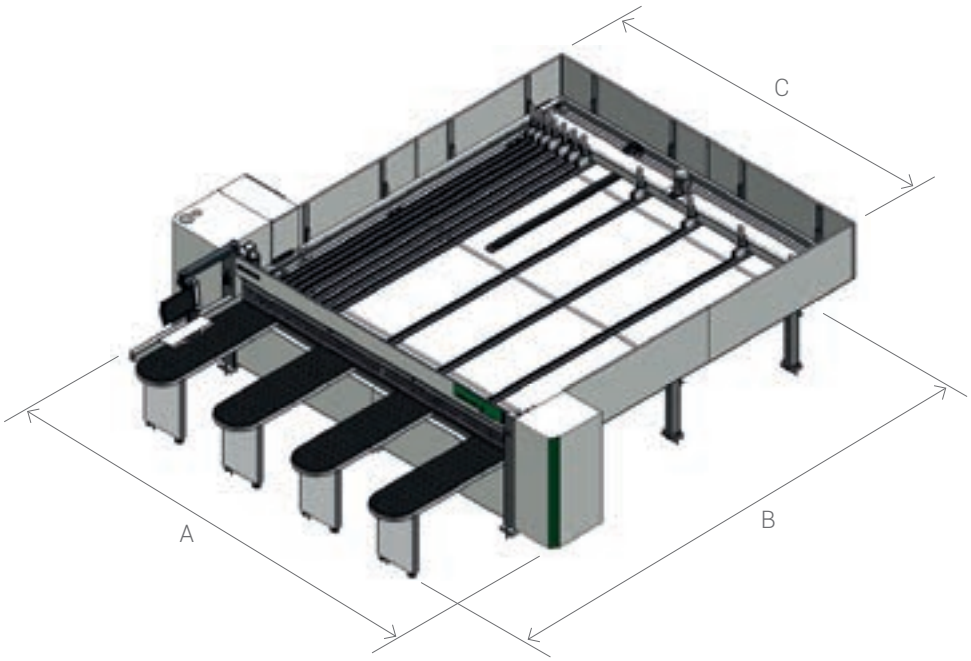
DEVICE DESIGNED TO MAKE YOUR TECHNOLOGIES EVEN SMARTER.

DYNAMIC LED INDICATORS
The moving white LEDs indicate the manual piece rotation direction, whereas the LEDs with a brighter light correspond to the exact width of the piece to be loaded.



GREEN LEDs
The green LEDs indicate that the cutting phase has been completed and the outfeed panel does not need any further processing.

TECHNICAL SPECIFICATIONS

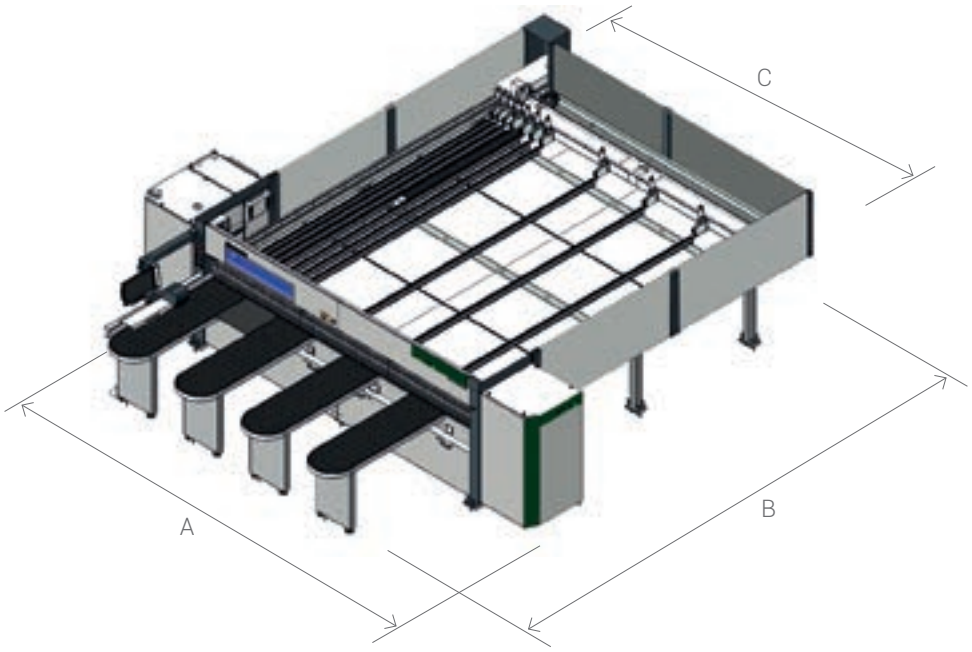


SELCO WN 230		3200x2500	3200x3200	4500x2500	4500x3200	4500x4500
A	mm/inch	5200/205	5200/205	6500/256	6500/256	6500/256
B	mm/inch	5600/220	6300/248	5600/220	6300/248	7600/299
C	mm/inch	3750/148	3750/148	5050/199	5050/199	5050/199

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 surface noise level A (LpfA) dB(A) 83,57. Weighted noise level A (LwA) dB(A) 106,14. Uncertainty of measurement K = 4 dB (A).

The measurement was carried out in compliance with UNI EN ISO 3746, UNI EN ISO 11202 and subsequent modifications.The noise levels indicated are output levels and do not necessarily represent safe operational 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 operative personnel are exposed to include the length of exposure, the characteristics of the work environment, other emission sources, i.e. the number of machines and machining operations in the vicinity. In any case, this information will help the machine user to better assess the danger and risks involved.



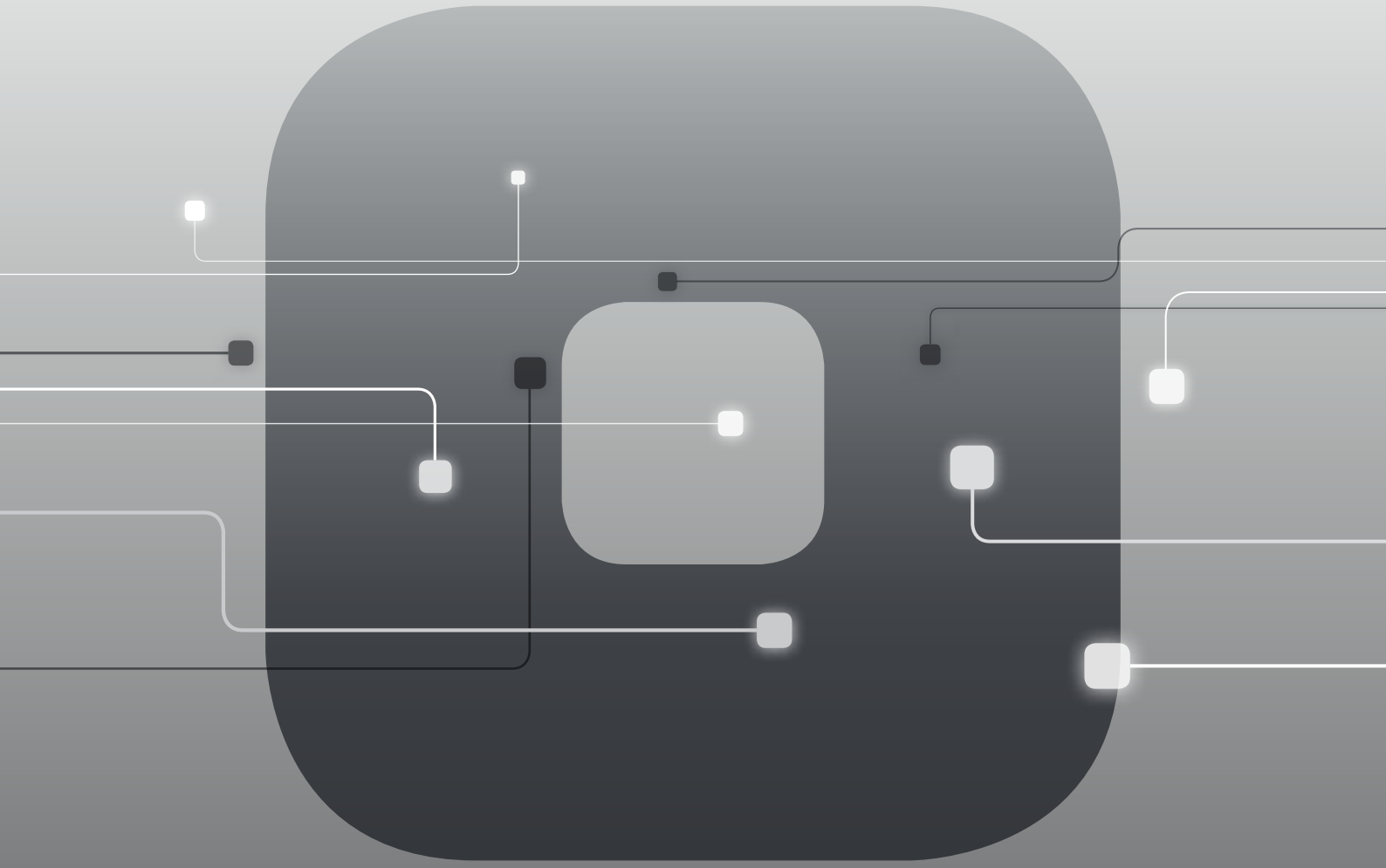
SELCO WN 250		3200x3200	3800x3200	3800x3800	4500x4500
A	mm/inch	5500/216	6100/240	6100/240	6800/268
B*	mm/inch	6300/248	6300/248	6900/272	7600/299
C	mm/inch	3700/146	4300/169	4300/169	5000/197

* In the case of the Twin Pusher, + 350 mm / 14 inch.

		SELCO WN 230	SELCO WN 250
Maximum blade protrusion	mm/inch	60/2	80/3
Main blade motor	kW	5,5	7,5
Blade carriage drive		asynchronous motor	brushless
Blade carriage speed	m/foot/min	1/80 - 3/262	1/100 - 3/328
Brushless pushing device drive		asynchronous motor	brushless
Pushing device speed	m/foot/min	60/197	80/262

SOPHIA

GREATER VALUE FROM MACHINES



SOPHIA is the IoT platform created by Biesse in collaboration with Accenture which enables its customers to access a wide range of services to streamline and rationalise their work management processes.

It allows alerts and indicators to be sent to the customer in real time, in relation to production, the machines used and the type of process carried out. These are detailed instructions for more efficient use of the machine.

- 10% CUT IN COSTS
- 50% REDUCTION IN MACHINE DOWNTIME
- 10% INCREASE IN PRODUCTIVITY
- 80% REDUCTION IN PROBLEM DIAGNOSTICS TIME

SOPHIA TAKES THE INTERACTION BETWEEN CUSTOMER AND SERVICE TO A HIGHER LEVEL.

IoT SOPHIA

IoT - SOPHIA provides a comprehensive overview of the specific machine performance features, with remote diagnostics, machine stoppage analysis and fault prevention. The service includes a continuous connection with the control centre, the option of calling for assistance from within the customer app (such calls are managed as priorities), and an inspection visit for diagnostic and performance testing within the warranty period. Through SOPHIA, the customer receives priority technical assistance.

PARTS SOPHIA

PARTS SOPHIA is the easy new, user-friendly and personalised tool for ordering Biesse spare parts. The portal offers customers, dealers and branches the chance to navigate within a personalised account, consult the constantly updated documentation of the machines purchased, and create a spare parts purchase basket indicating the real time availability in the warehouse and the relative price list. In addition, the progress of the order can be monitored at all times.

Biesse

in collaboration with accenture

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

+100 EXPERTS IN DIRECT CONTACT THROUGH REMOTE CONNECTIONS AND TELESERVICE

+50.000 ITEMS IN STOCK IN THE SPARE PARTS WAREHOUSES

80% OF SUPPORT REQUESTS SOLVED ONLINE

88% OF CASES SOLVED WITH THE FIRST ON-SITE VISIT

90% OF MACHINE DOWN CASES WITH RESPONSE TIME UNDER 1 HOUR

92% OF SPARE PARTS ORDERS FOR MACHINE DOWNTIME PROCESSED WITHIN 24 HOURS

+5.000 PREVENTIVE MAINTENANCE VISITS

96% OF SPARE PARTS ORDERS DELIVERED IN FULL ON TIME

MADE WITH BIESSE

FOR A REVOLUTIONARY BUT CONSCIOUS DESIGN

Conscious design that understands society and skilfully changes it for the better. That's the mission at the heart of Lago, a furniture company founded in 1976 with two simple concepts encoded in its DNA: curiosity and doing things well.

The common ground for the Biesse Group and Lago, which reinforces the historic partnership between the furniture and carpentry sectors, is the Alliance project: a collection of brands, people and businesses that have decided to join the design company from Veneto on a journey of respect for our planet, ourselves and our future. The historic partnership is borne out by the innovative production plant that Biesse developed with Lago, completely restructuring the manufacturing site. The result is the inclusion of a new Batch One facility within the existing production context, in the spirit of personalisation, speed and flexibility.
The facility has a new square-edging cell with Stream MDS and Winner W1, a new drilling cell with Skipper 130 and a new Selco WNR 650 sizing centre connected to Winstore 3D K1, which intelligently manages all the material to be processed.
"Including the 'batch one' process bolsters the 'just in time' objective set by Lago, reducing the warehouses needed for semi-finished products and raw materials, as well as reducing scrap material and elevating product quality. What's more, it improves efficiency, reduces time to delivery and offers complete control over the production flow," explains Mauro Pede, Biesse Systems Sales Director.
"The new investments have led us to a new productive flexibility that we will continue to implement, for a renewed production speed and even greater customisation of the range," adds Daniele.
Carlo Bertacco echoes the sentiment, "We are completing a 2,500 m2 expansion, to be even faster and more flexible while maintaining the extremely high level of quality that Lago is known for. It's an equation that relies heavily on technology: I'm referring to one of the particularly valuable machines we purchased from Biesse – a small 'Brema Eko' – not only is it extremely flexible, it allows us to greatly simplify some steps, since we can process painted pieces without worrying about damaging them.
It's proof that with clear ideas and a precisely organised work flow one can find simple solutions that produce excellent results."

LAGO BELIEVES THAT DESIGN MUST BE GUIDED BY MAN, BY HUMANITY AND EMPATHY

Daniele Lago
Founder

LAGO.IT

Founded in Italy, international native.

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.

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

Biesse

Join the
Biesse world.

biesse.com

L5808L0252 march 2023

Biesse