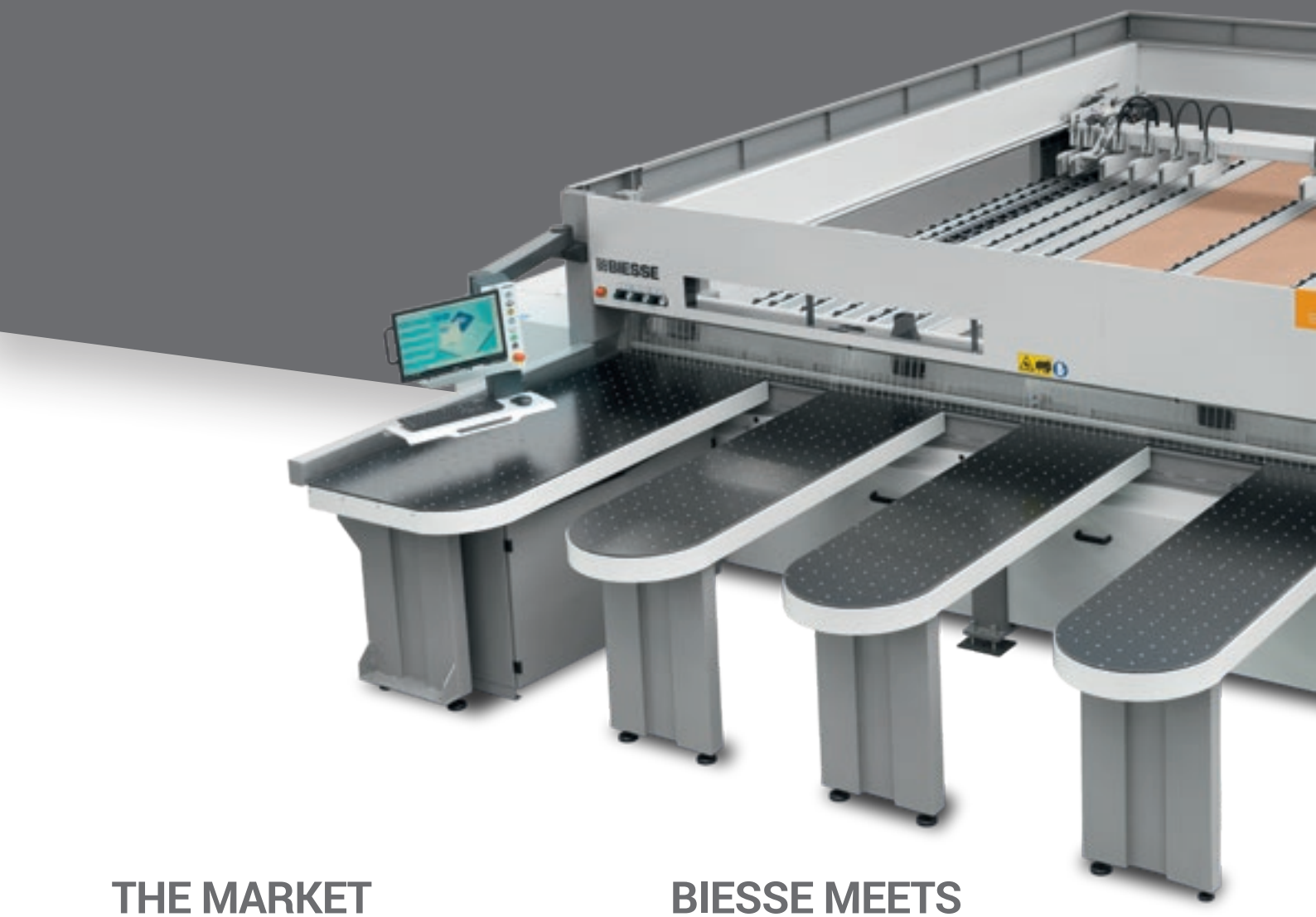
SELCO PLAST SK 4

NUMERICAL CONTROL
BEAM SAW

Biesse

ADVANCED TECHNOLOGY, ULTIMATE EASE OF USE



THE MARKET DEMANDS

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 whilst offering product customisation **with quick and defined delivery times**.

BIESSE MEETS THESE REQUIREMENTS

with **technological solutions** which enhance and support technical expertise as well as process and material knowledge. **SELCO PLAST SK 4** is a range high-performance single cutting line beam saws, designed to meet the needs of small and medium-sized industry operators.

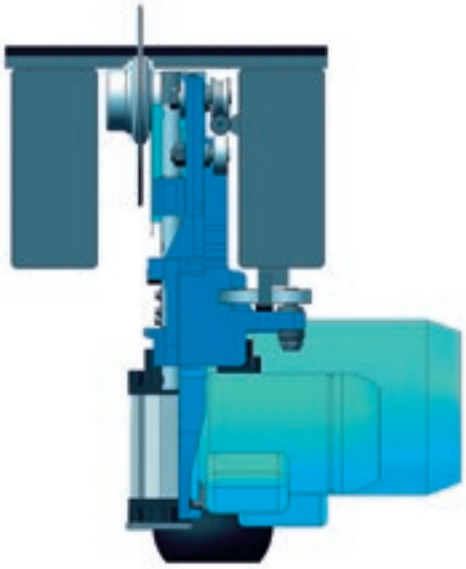
SELCO PLAST SK4

- TOP CUTTING QUALITY
- EASY AND QUICK TO ADJUST FOR REDUCED CYCLE TIMES
- EASY TO USE, WITH OPTIMISED MACHINING OPERATIONS
- BEST PERFORMANCE IN ITS CATEGORY

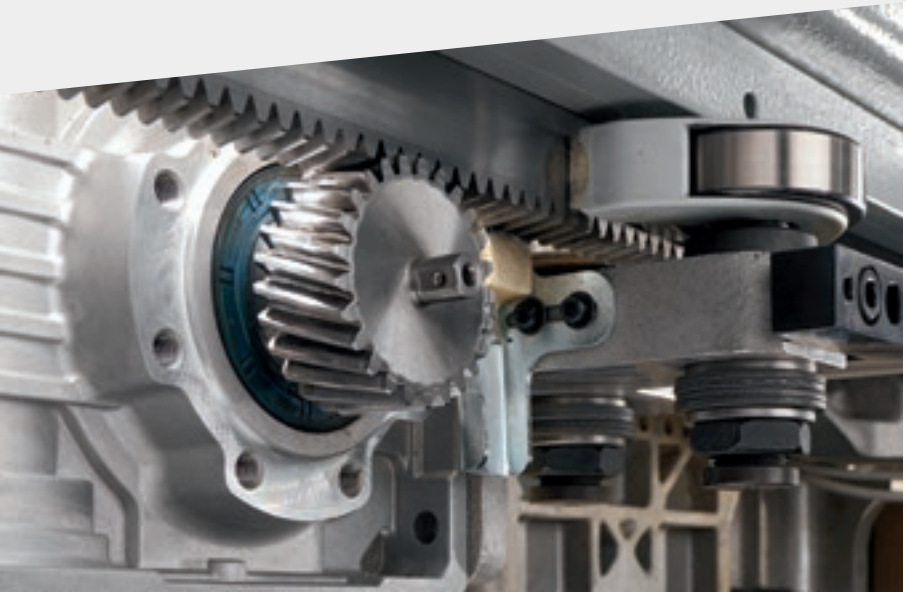
CUTTING QUALITY

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

The base of the machine is constructed from solid steel, supported by robust legs which guarantee perfect stability. The carriage rails ensure the machine remains perfectly parallel and straight, maintaining optimal tool-holder carriage balance.

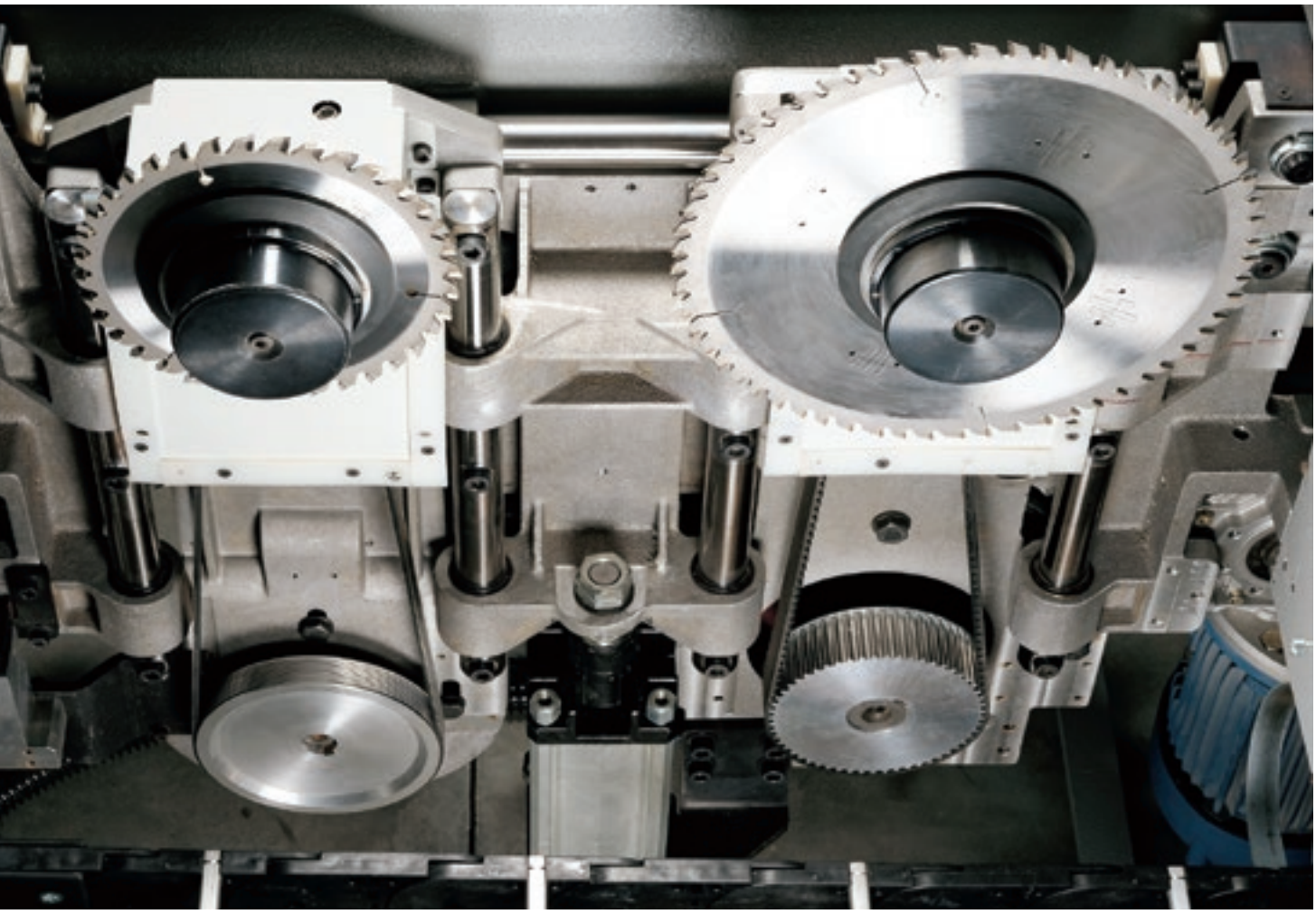


The blade is not subject to any vibration, thanks to the upper guide, positioned next to the blade-holder spindle.



The perfectly linear movement of the tool holder carriage is achieved through a helical rack and pinion system and is driven by a brush-less servomotor.

The projection of the main blade is automatically adjusted by the numerical control according to the thickness of the book to be cut, obtaining the best quality cut under any working conditions.

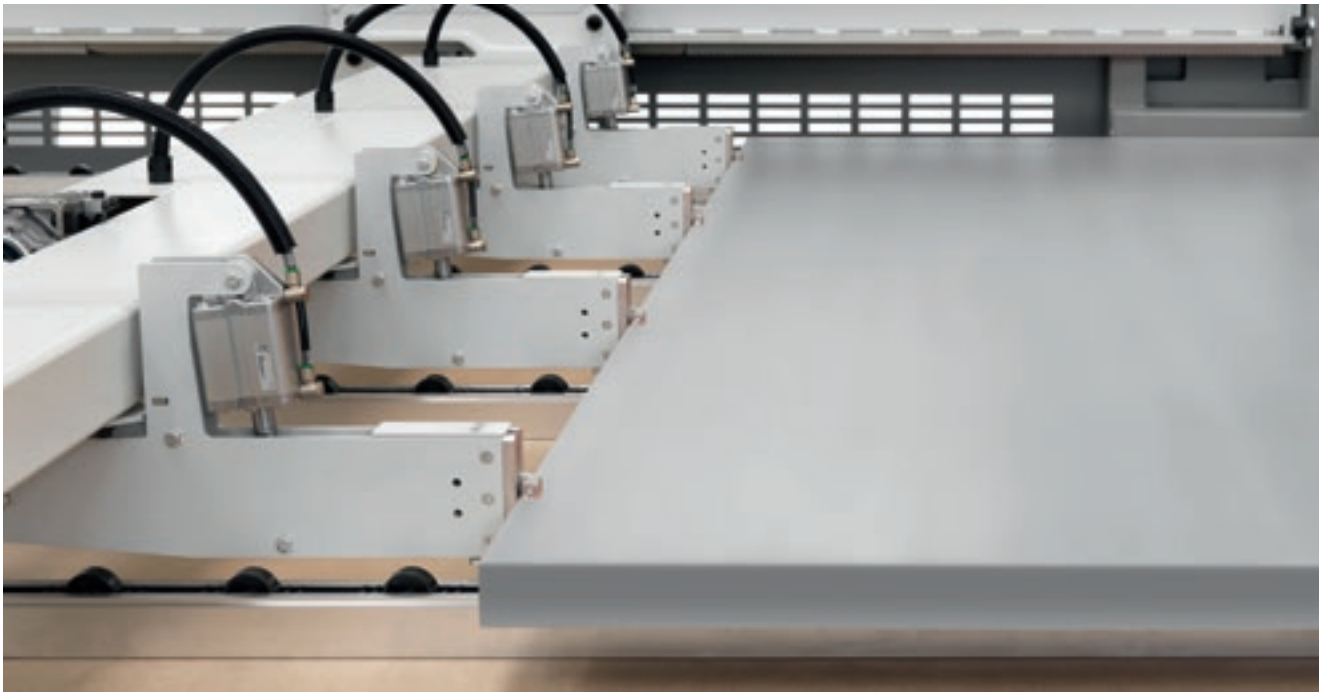


The superior cutting quality is achieved through independent rise and fall movements of the main blade and the scoring blade.

BEST PERFORMANCE IN ITS CATEGORY

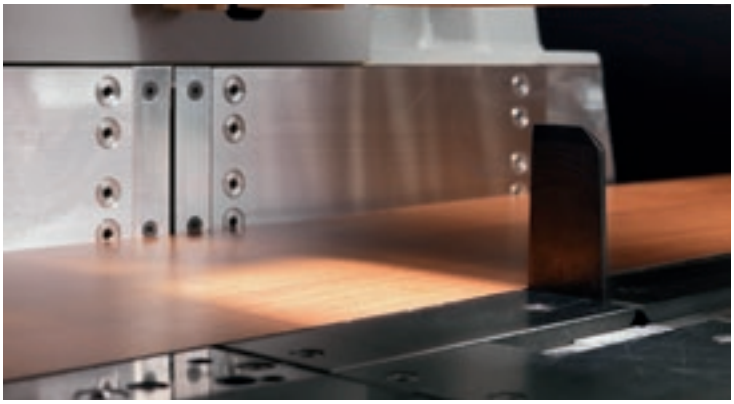
Unique technical solutions on the market, to satisfy even the most rigorous production demands, in terms of both precision and flexibility.

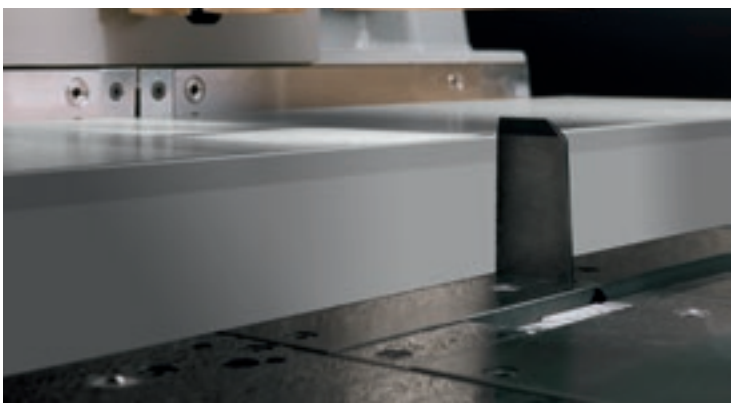
The presser boasts a single-element structure which guarantees consistent, controlled pressure on the book of panels to be cut. The opening is automatically optimised according to the thickness of the book of panels, in order to achieve the best cut quality and to reduce cycle times.



Fast, accurate positioning of the panels for optimum cutting precision, thanks to the robust pusher carriage activated by a brushless motor. The slide surface below the pushing device is fitted with independent rollers to avoid making any marks on panels with a delicate surface.

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.





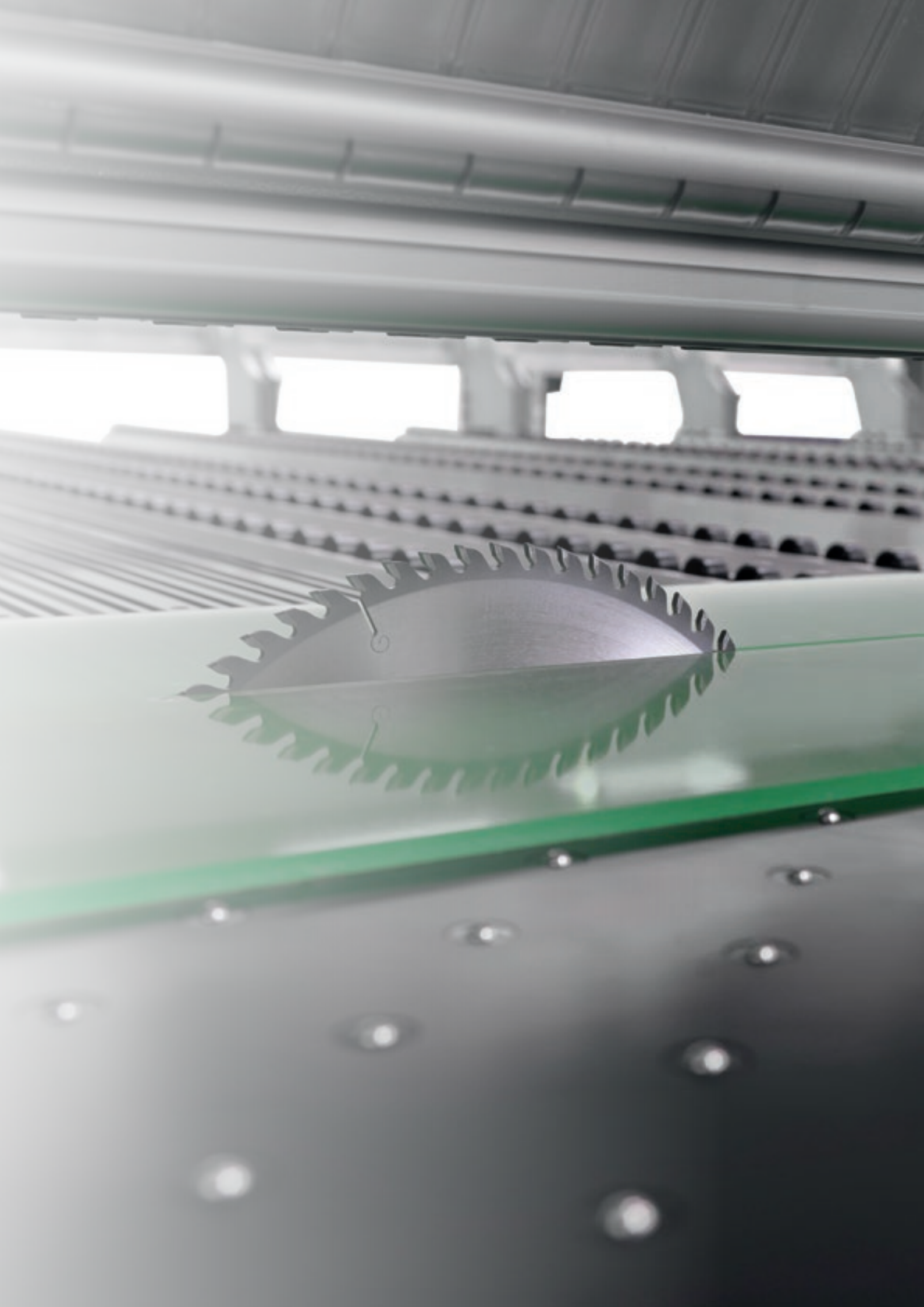
Perfect alignment of very thin and/or flexible panels, minimising cycle times thanks to the side alignment stop integrated in the blade carriage.

SELCO TECHNOLOGY

PRECISION CUTTING

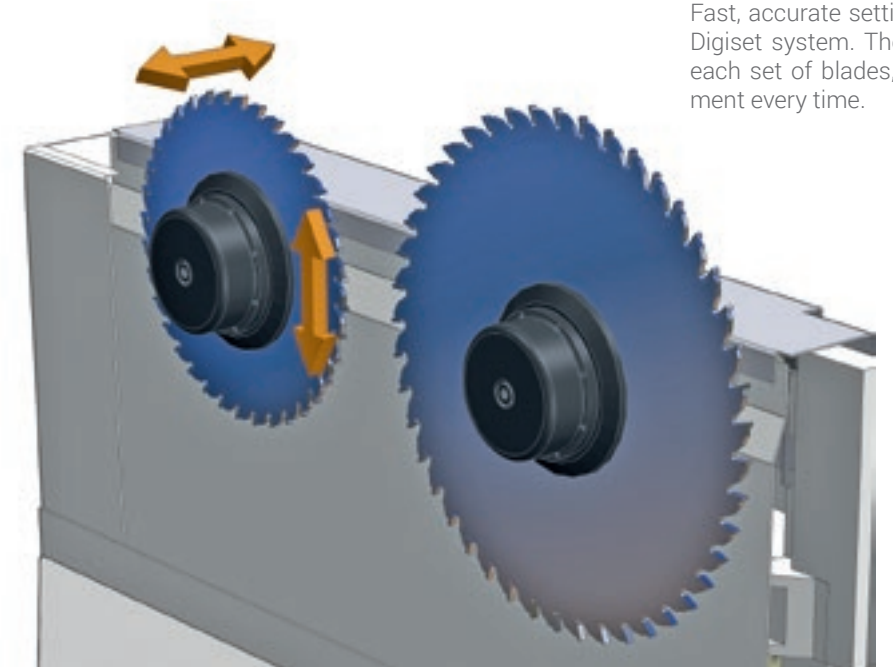
Selco beam saws' cutting-edge technology responds to the needs of operators who process technological materials.

The robust pushing carriage driven by a brushless motor on hardened racks and cemented gear wheels, together with the magnetic band positioning control and component locking via independent grippers, guarantee the utmost cutting precision and quality for panels of various formats and sizes.



FAST AND EASY ADJUSTMENT FOR REDUCED CYCLE TIMES

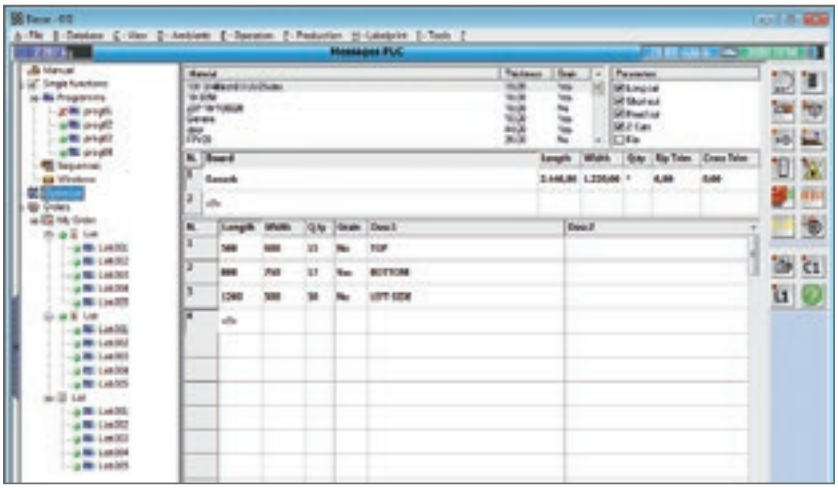
The Quick change system, patented by Biesse, is the quickest, safest and most ergonomic device for replacing blades without using specific tools.



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.

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.



QUICKOPTI

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

BARCODE SCANNER

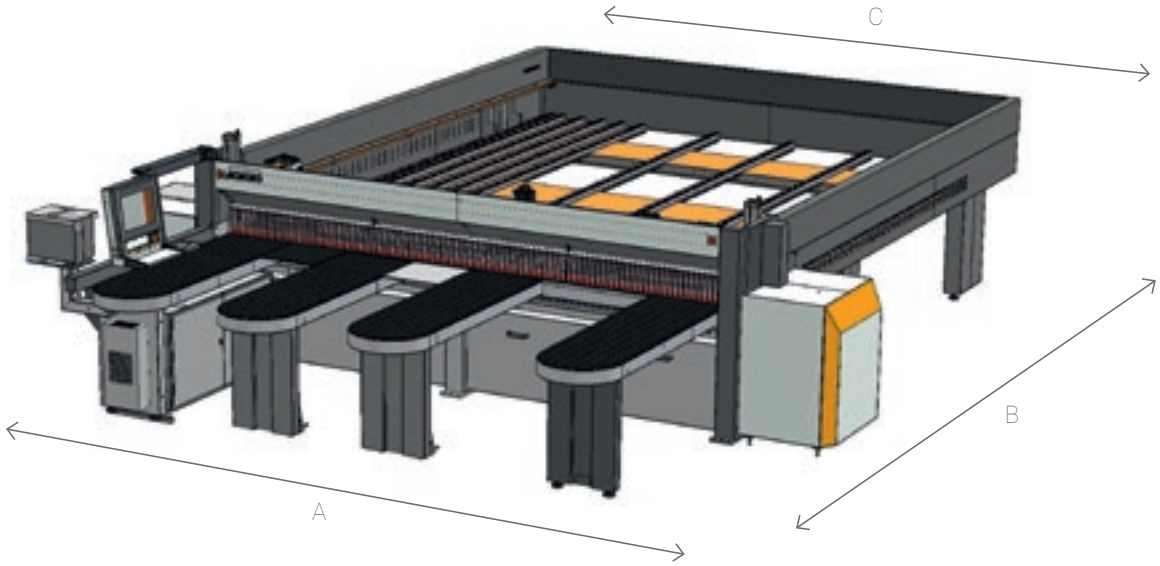
Device for automatically accessing machine operation patterns, for automated management of the remaining reusable cut material.

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.

TECHNICAL SPECIFICATIONS



SELCO PLAST SK 4		3200 x 3200	4300 x 4400
A	mm/inch	5240 / 206,29	6340 / 249,60
B	mm/inch	6520 / 256,69	7670 / 301,96
C	mm/inch	3640 / 143,30	4740 / 186,61

SELCO PLAST SK 450		
Maximum blade protrusion	mm/inch	75 / 2,95
Main blade motor	kW	11
Blade carriage transfer		brushless
Blade carriage speed	m/min	1 - 120
Pushing device transfer		brushless
Pushing device speed	m/min	60

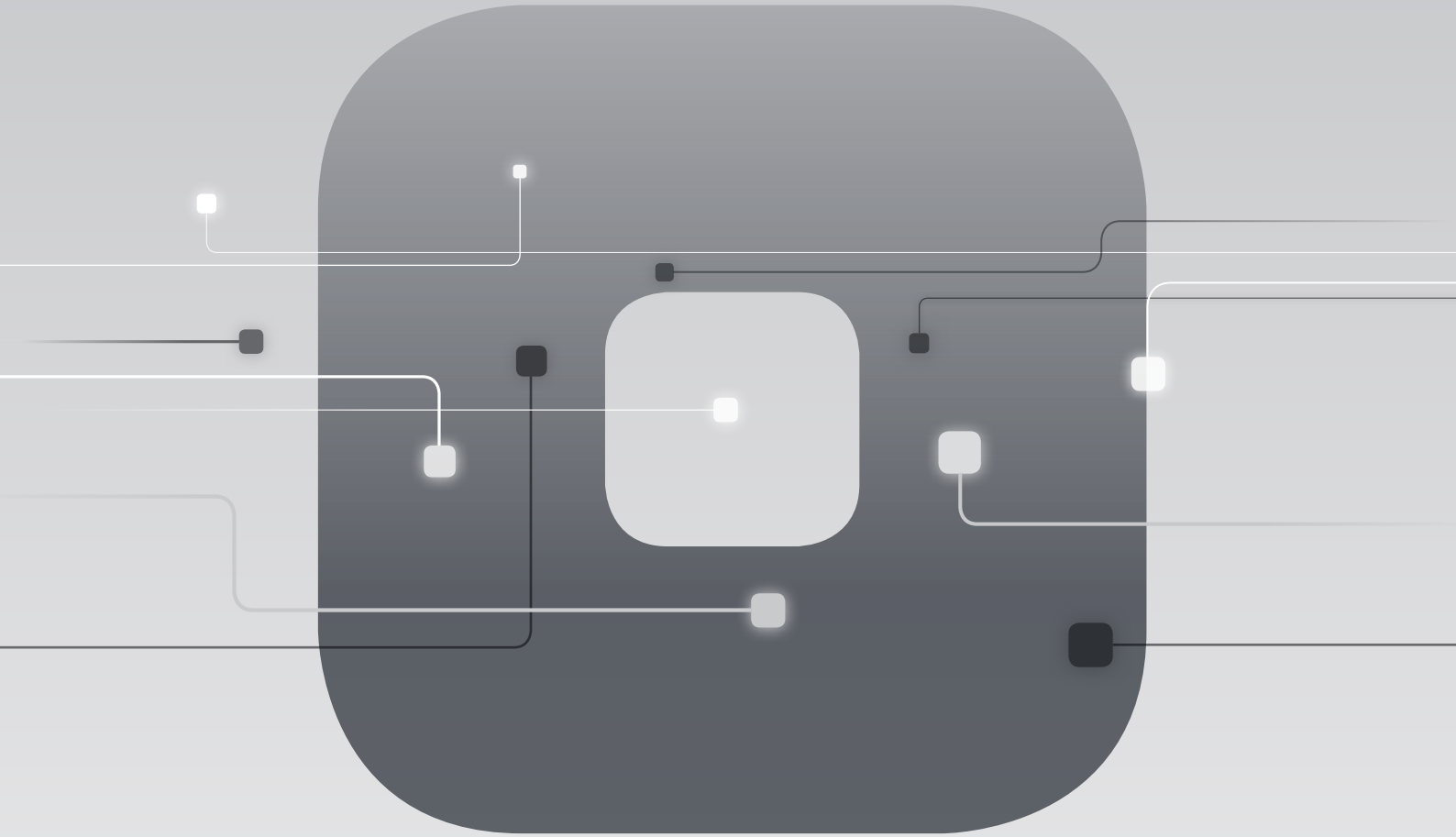
The technical specifications and drawings are non-binding. Some photos may show machines equipped with optional features. Biesse Spa reserves the right to carry out modifications without prior notice.

Weighted surface noise level A (LpfA) dB(A) 83,95. Weighted noise level A (LwA) dB(A) 104,95. 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.

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

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

BIESSE TECHNOLOGY AND CREATIVITY BY ACTION GIROMARI

Action Giromari is a creative workshop that has been working with laser branding and engraving for over 20 years. Developed at a time when globalisation and, to some extent, standardisation were hallmarks of the global culture and economy, the company offered the market a chance to preserve and strengthen the personal aesthetic of creatives, designers and companies.
The company stands out for its ability to work with any type of material.
"We don't develop a single category of products. Rather, thanks to the wide variety of materials we work with and the varied technologies we use, we are able to tailor any project, both for small scale and mass production. We develop stands, signs, branding products and anything that relates to visual communication. Other products include coverings, countertops and custom made interior design products for stores. We also work with several architects, who send us their designs. Our clients mainly ask us to design and create products that highlight their identity as a company to help them stand out on the market through creativity and design," Raffaele Bastianoni, the company owner, explains.
Action Giromari handles every phase of production itself, from prototyping to engineering to packaging, every single step is inspected first hand. Numerical control technology allows Action Giromari to cut, mill, score and shape each piece. The steps that follow (assembly, gluing...) all the way to final finishing, are exclusively carried out by hand.
"Biesse technology plays a key role in allowing us to be more versatile and offer ad hoc solutions. Thanks to the new Rover Plast M5 purchased in May 2016 we have increased our production of complex shapes and 3D objects: unique products that have great value on the market. When we chose Biesse, an Italian company that offered reliability and know how, we weren't simply interested in the new numerical control milling cutter, rather we acquired a veritable partnership.
We consider Biesse a strategic partner for Giromari's technological development" Bastianoni says in closing.

ACTIONGIROMARI.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.

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