

# SELCO

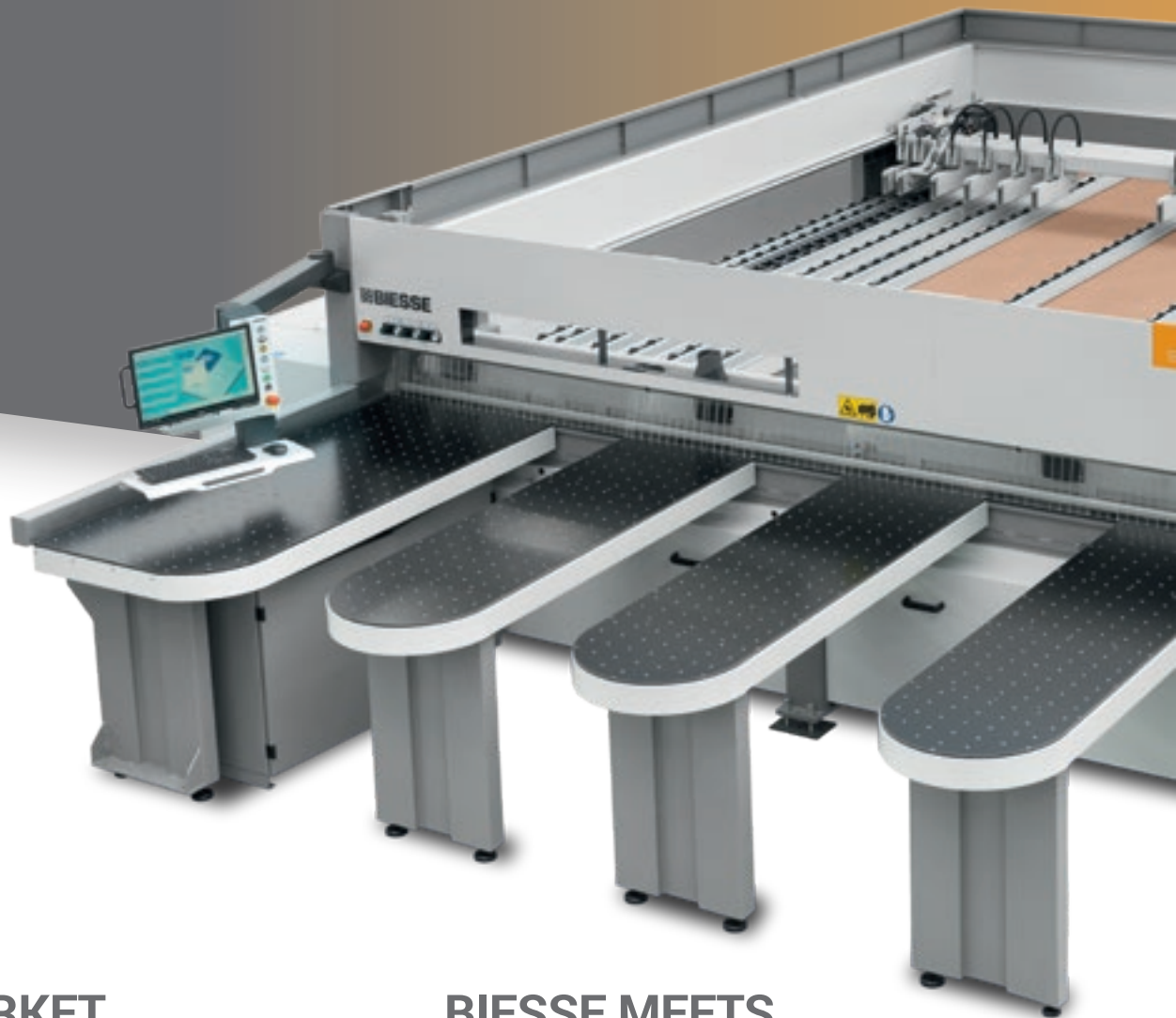
## PLAST SK 4

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

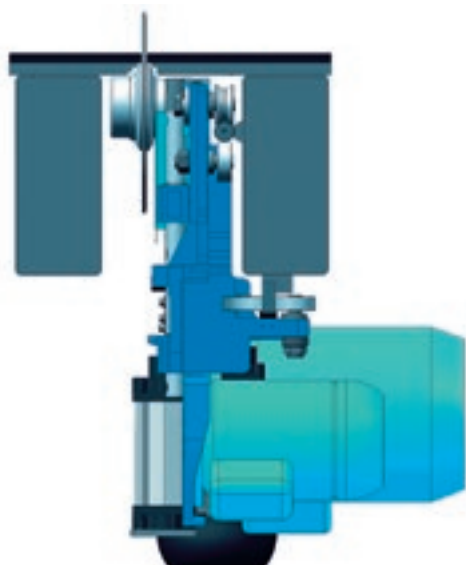
**Robust, balanced structure ensuring maximum stability. Specially-designed technologies to guarantee precision and rigidity.**

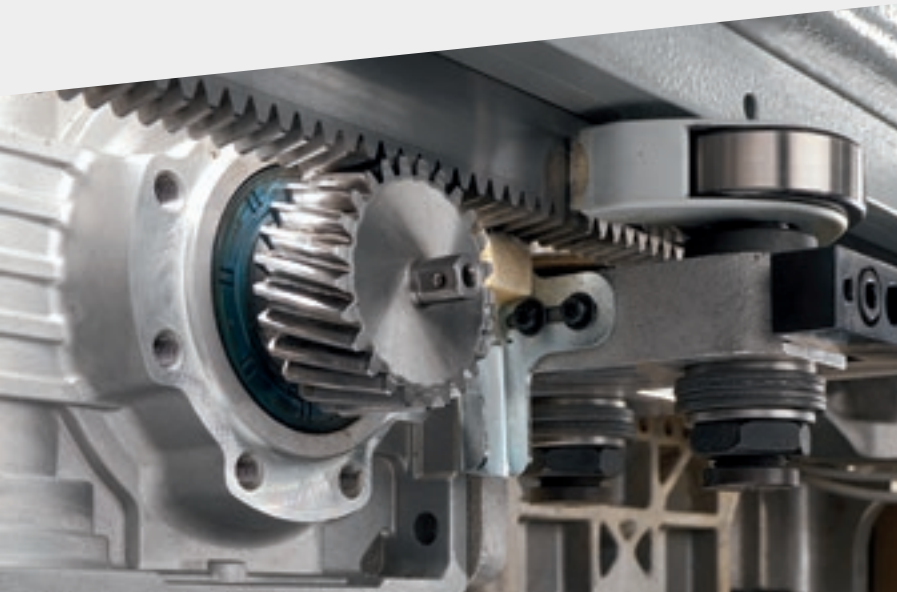


The base of the machine is constructed from solid steel, supported by robust legs which guarantee perfect stability. The carriage rails ensure the machine remains perfectly parallel and straight, maintaining optimal tool-holder carriage balance.



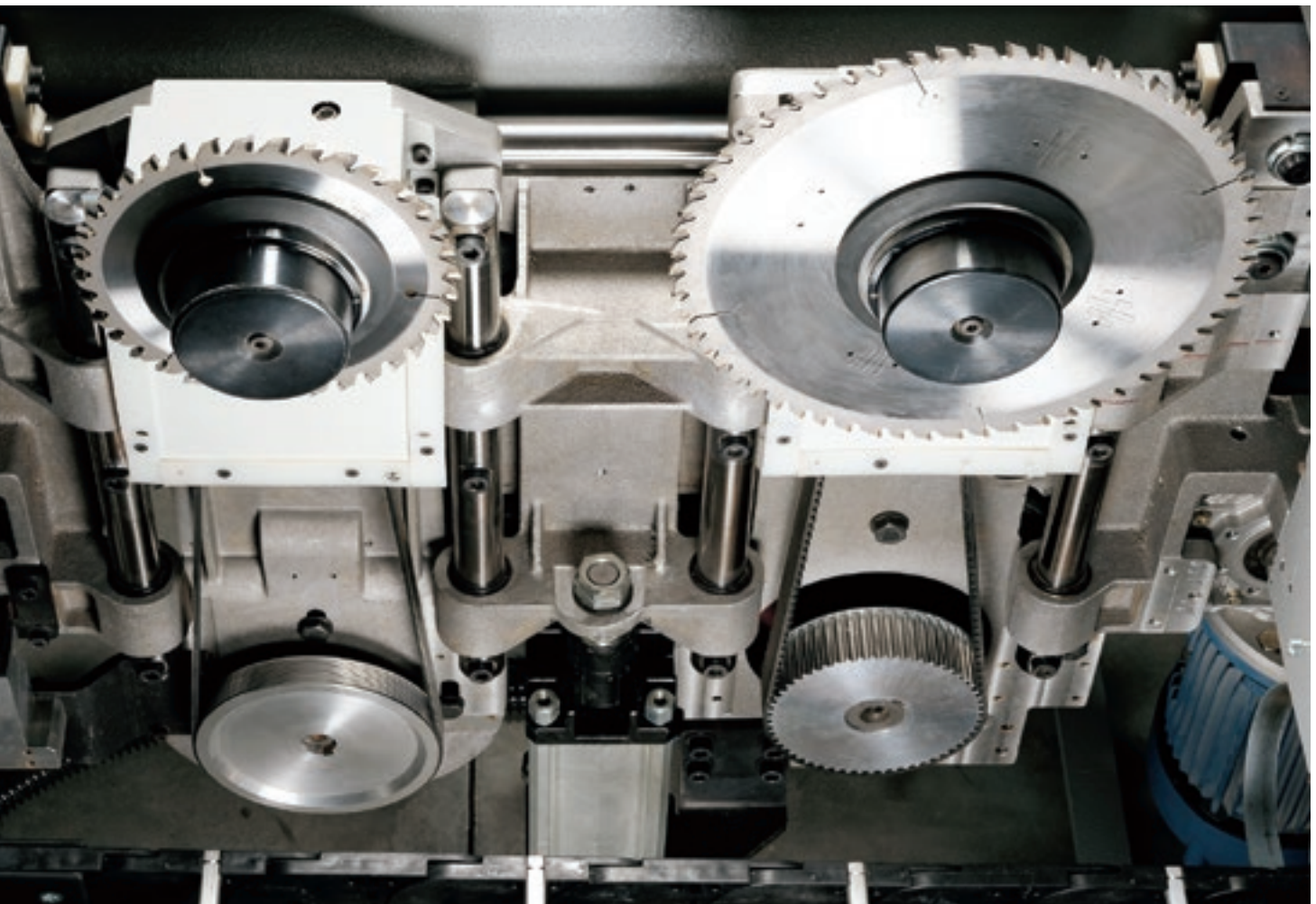
The blade is not subject to any vibration, thanks to the upper guide, positioned next to the blade-holder spindle.





The 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 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 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.

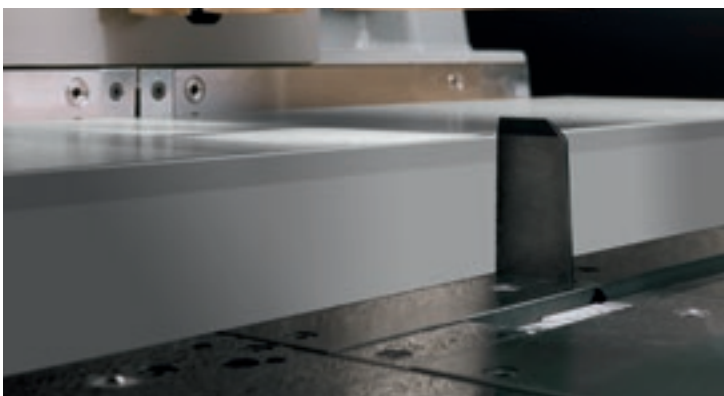




The self-levelling, independent grippers ensure that the panels are firmly locked in place, and allow for the full expulsion of sectioned stacks from the cutting line.



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



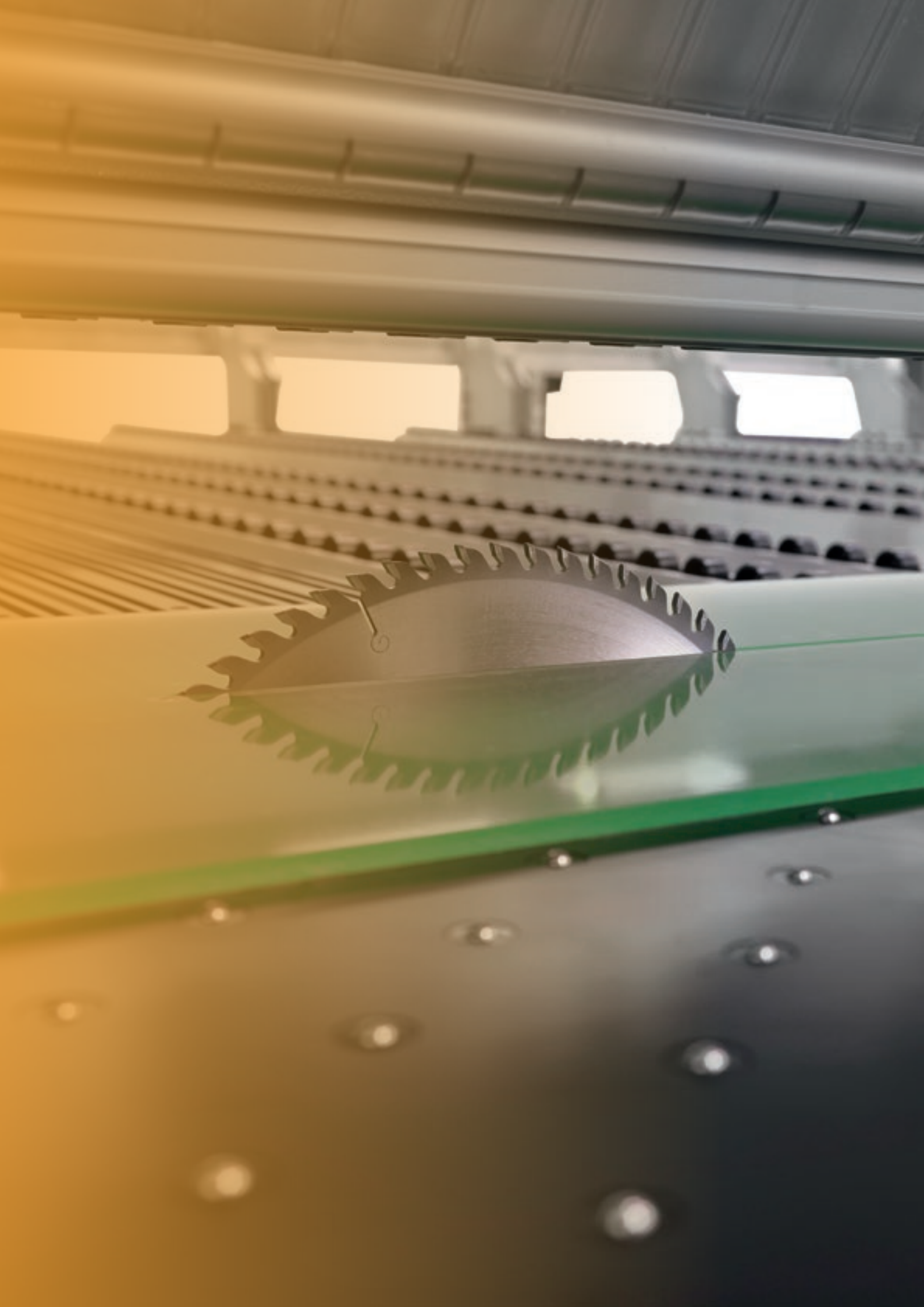
# SELCO TECHNO LOGY

## 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.



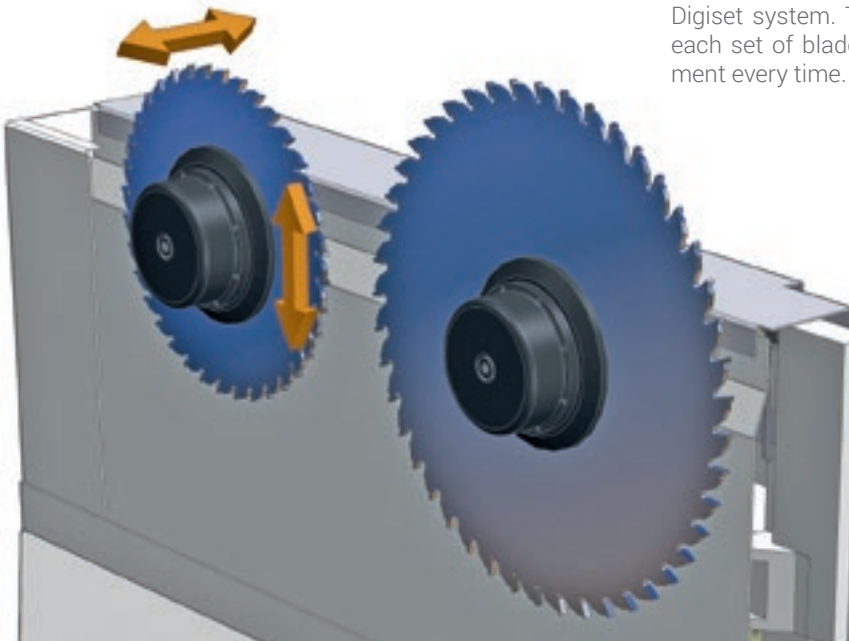


# FAST AND EASY ADJUSTMENT FOR REDUCED CYCLE TIMES

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

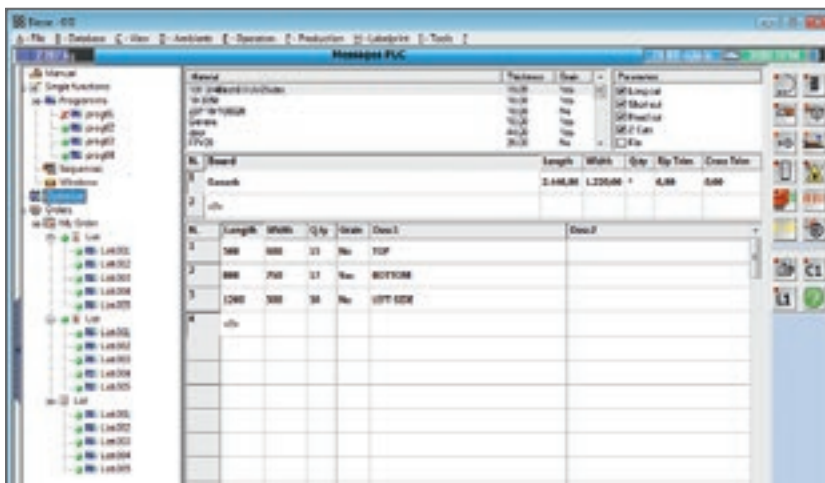


Fast, accurate setting of the scoring and main blades, using Digiset system. The system also stores the information for each set of blades, ensuring repeatable and accurate alignment every time.



# 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



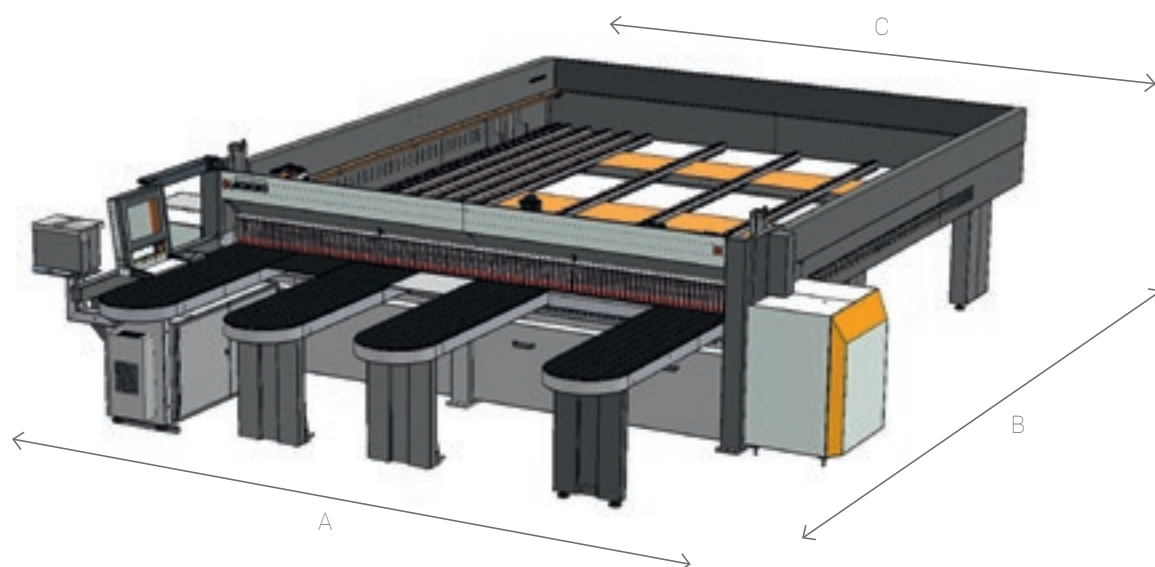
**OPTIPLANNING IS THE SOFTWARE FOR OPTIMISING CUTTING PATTERNS, DEVELOPED ENTIRELY BY BIESSE. BASED ON THE LIST OF PIECES TO BE PRODUCED AND THE PANELS AVAILABLE, IT CAN CALCULATE THE BEST SOLUTION TO MINIMISE MATERIAL CONSUMPTION, SECTIONING TIMES AND PRODUCTION COSTS.**

- ▣ 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.

# OPTIPLANNING



# 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.

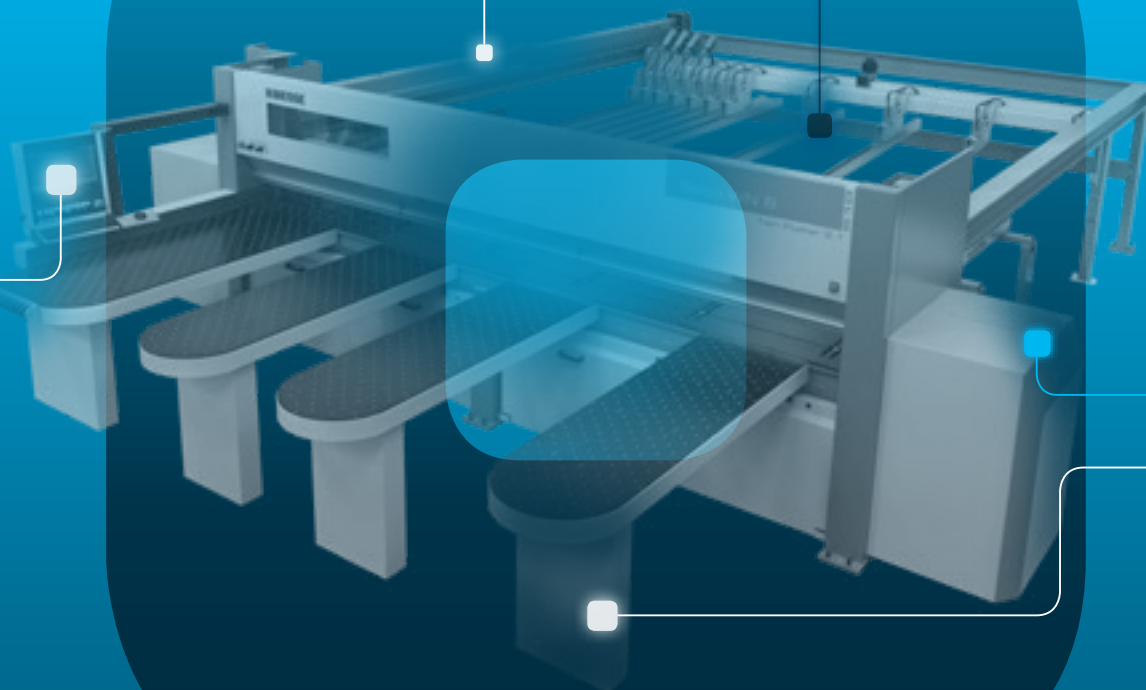
Weighted surface noise level A (L<sub>pfA</sub>) dB(A) 83,95. Weighted noise level A (L<sub>wA</sub>) dB(A) 104,95. Uncertainty of measurement K = 4 dB (A).

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



□ SERVICES

□ PROACTIVITY

□ ANALYSIS

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

# SERVICE & PARTS

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

## BIESSE SERVICE

- ▣ Installation and start-up of machines and systems.
- ▣ Training centre for Biesse Field technicians, branch and dealer personnel, and training directly at customer's site.
- ▣ Overhaul, upgrade, repair and maintenance.
- ▣ Remote diagnostics and troubleshooting.
- ▣ Software upgrade.

**500**

Biesse Field engineers in Italy and worldwide.

**50**

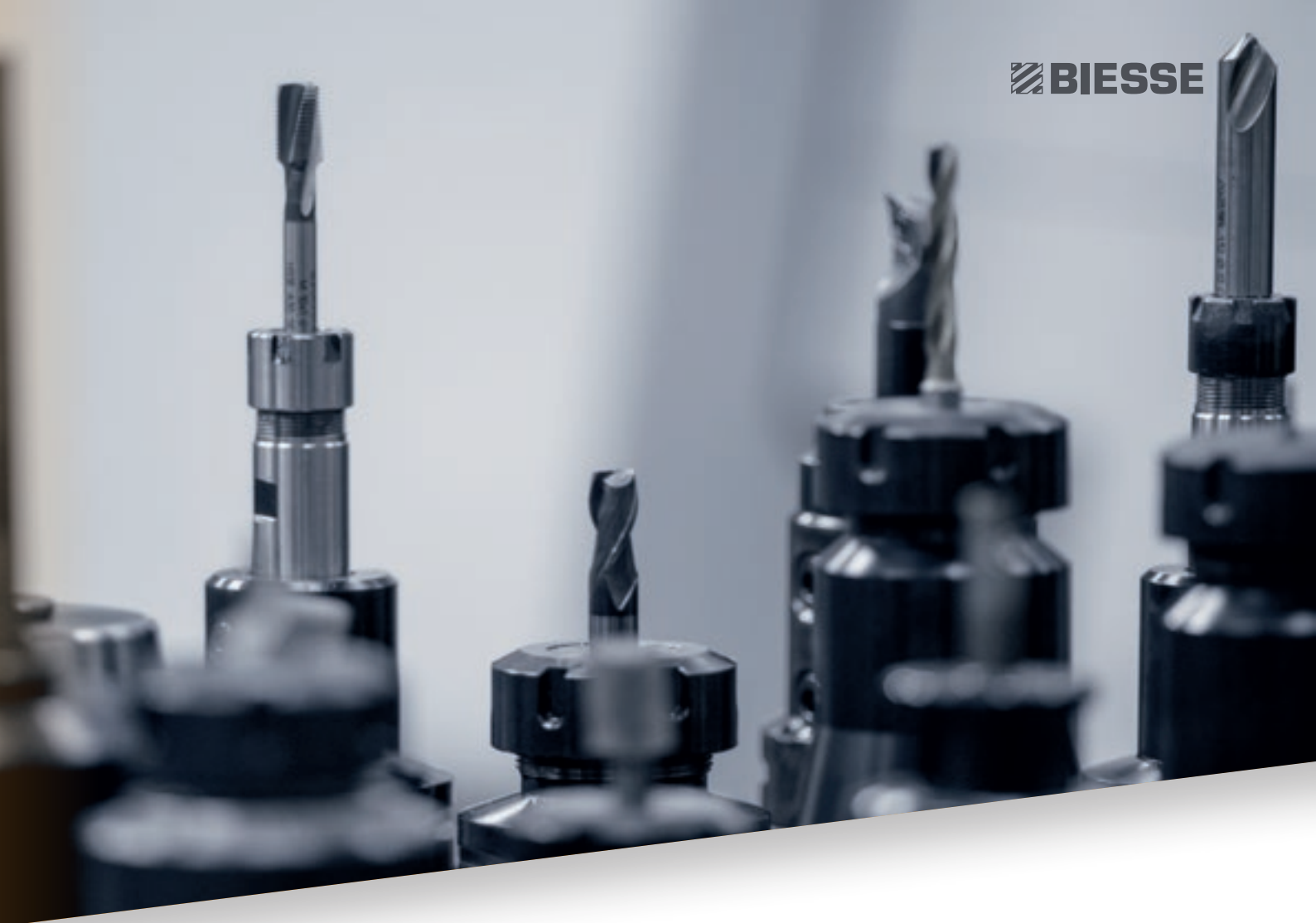
Biesse engineers manning a Teleservice Centre.

**550**

certified Dealer engineers.

**120**

training courses in a variety of languages every year.



The Biesse Group promotes, nurtures and develops close and constructive relationships with customers in order to better understand their needs and improve products and after-sales service through two dedicated areas: Biesse Service and Biesse Parts.

With its global network and highly specialised team, the company offers technical service and machine/component spares anywhere in the world on-site and 24/7 on-line.

## BIESSE PARTS

- Original Biesse spare parts and spare kits tailored to each machine model.
- Spare part identification support.
- Offices of DHL, UPS and GLS logistics partners located within the Biesse spare part warehouse, with multiple daily pick-ups.
- Order fulfillment times optimised thanks to a global distribution network with delocalised, automated warehouses.

**92%**

of downtime machine orders fulfilled within 24 hours.

**96%**

of orders delivered in full on time.

**100**

spare part staff in Italy and worldwide.

**500**

orders processed every day.



# 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 covers, 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.

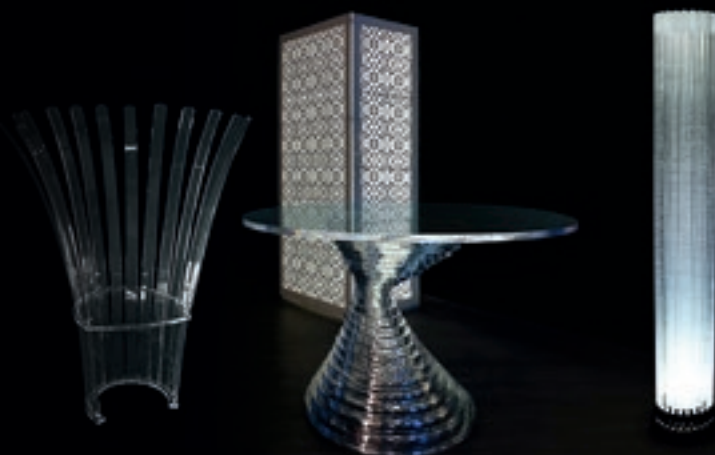
Action Giromari handles every phase of production itself, from prototyping to engineering to packaging, every single step is inspected first hand. Numerical control technology allows Action Giromari to cut, mill, score and shape each piece. The steps that follow (assembly, gluing...) all the way to final 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



# 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**

