STREAM A

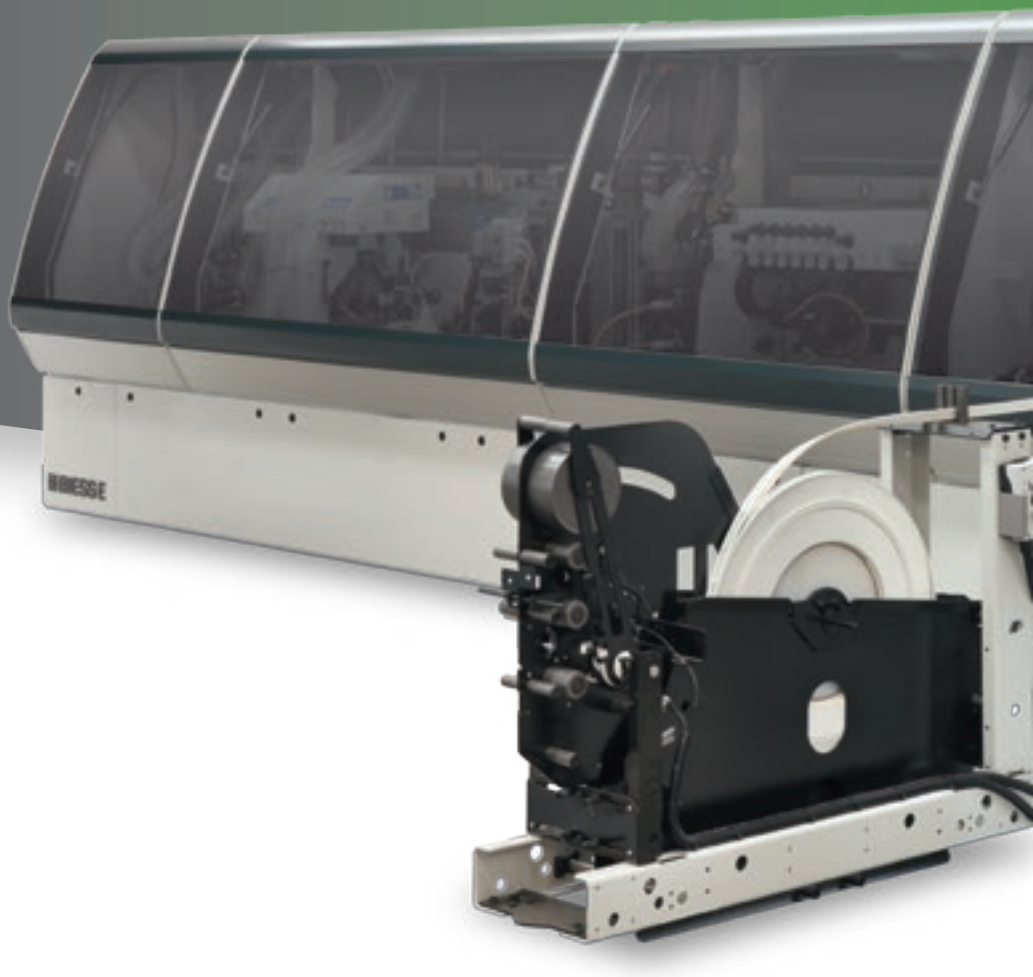
AUTOMATIC SINGLE-SIDED EDGEBANDING MACHINES

BIESSE

50 YEARS

BIESSEGROUP

RELIABILITY ACROSS SEVERAL WORK SHIFTS



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, as well as responding to the needs of highly creative designers.

BIESSE MEETS

these requirements with technological solutions that enhance and support technical expertise, as well as process and material knowledge. **Stream A** is the new range of automated single-sided edgebanding machines aimed at craftspeople and small enterprises who wish to increase their production capacity. It enables users to ramp up production up to 2 work shifts. It seamlessly adapt to any machining needs thanks to its configuration possibilities.

STREAM A

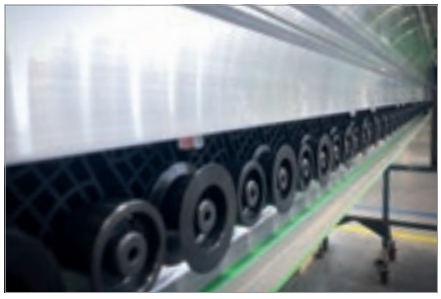
- THE PRECISION OF AN INDUSTRIAL MACHINE THANKS TO THE STURDY STRUCTURE
- MACHINE CUSTOMISATION DEPENDING ON PRODUCTION REQUIREMENTS
- ADVANCED TECHNOLOGY FOR A PERFECT FINISH
- TOP QUALITY FINISHED PRODUCT.

THE PRECISION OF AN INDUSTRIAL MACHINE

The sturdy structure guarantees the precision and reliability typical of production-line machines.

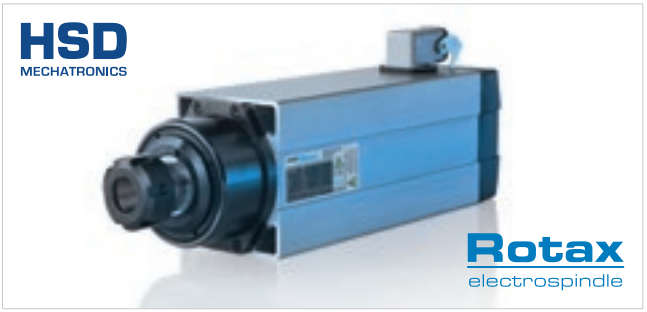
The **monolithic base** provides high stability and allows the machine to operate also over several work shifts whilst continuing to deliver high quality standards.

The sturdy 25 mm **columns**, fixed directly on the base, fully absorb all vibrations generated during machining.

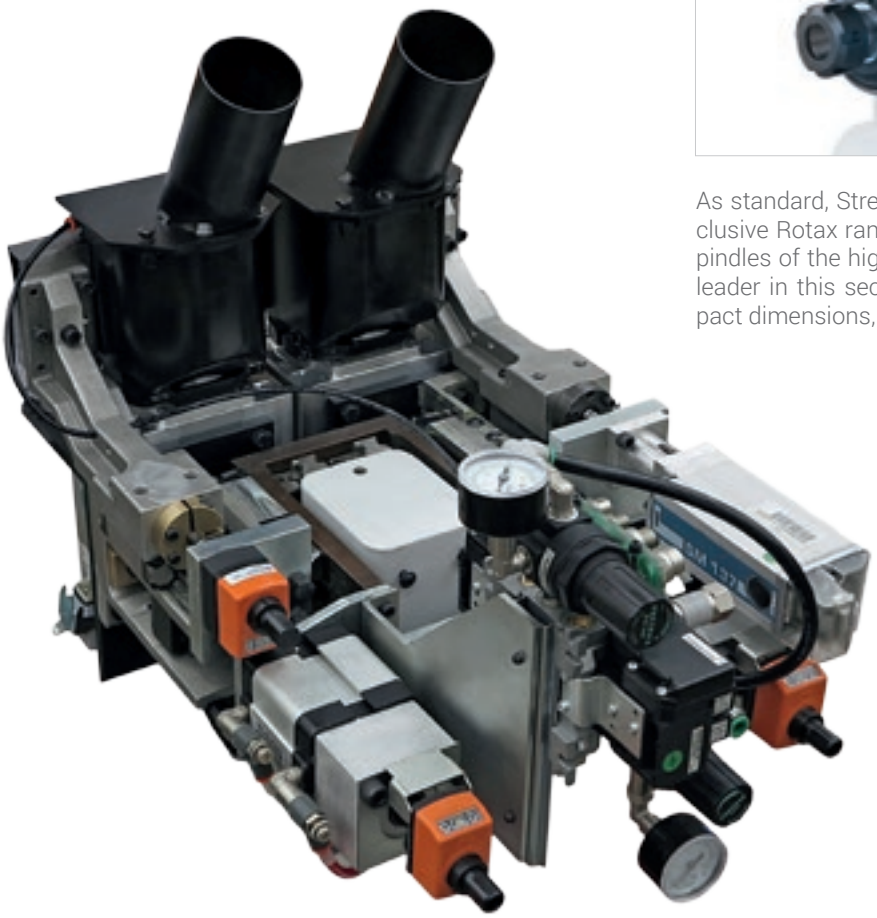


The Belt Presser, which is standard in the Stream A, allows the panel to run on the belt guaranteeing uniform pressure which is ideal even for more delicate coverings.

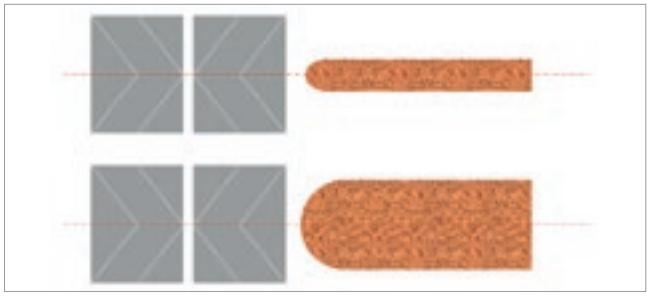
QUALITY EDGEBANDING



As standard, Stream uses only the electrospindles of the exclusive Rotax range on all the machines. These are electrospindles of the highest quality, designed and made by HSD (a leader in this sector); they guarantee optimum power, compact dimensions, and extremely high finishing standards.



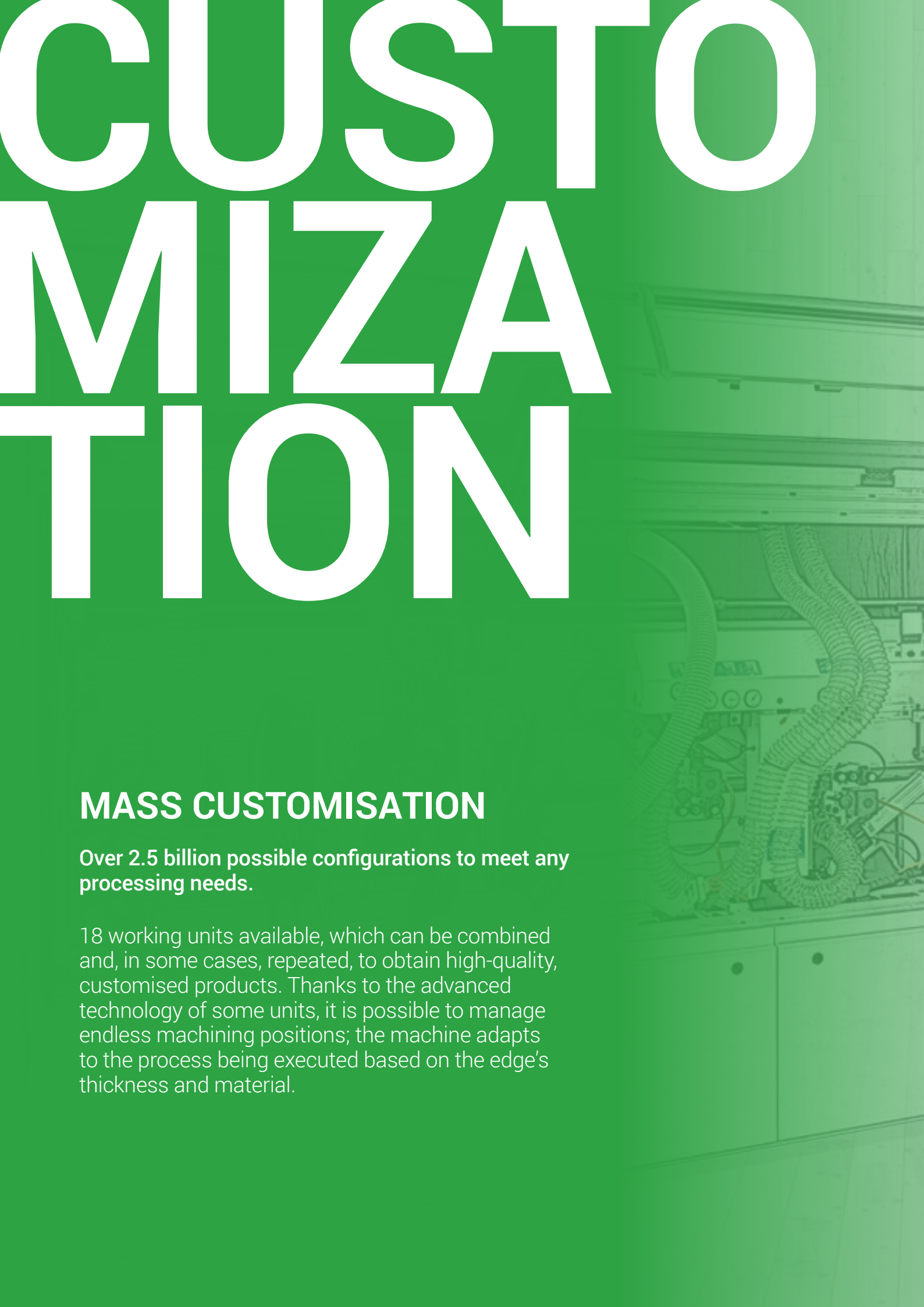
The 2-motor **Pre-milling Unit** with automatic intervention guarantees a perfect base for glueing.



The **Pre-milling Autoset** device for the automatic centring of the tool on the panel improves quality whilst reducing set-up times.

High-tech solutions created to guarantee high quality standards.

CUSTOMIZATION

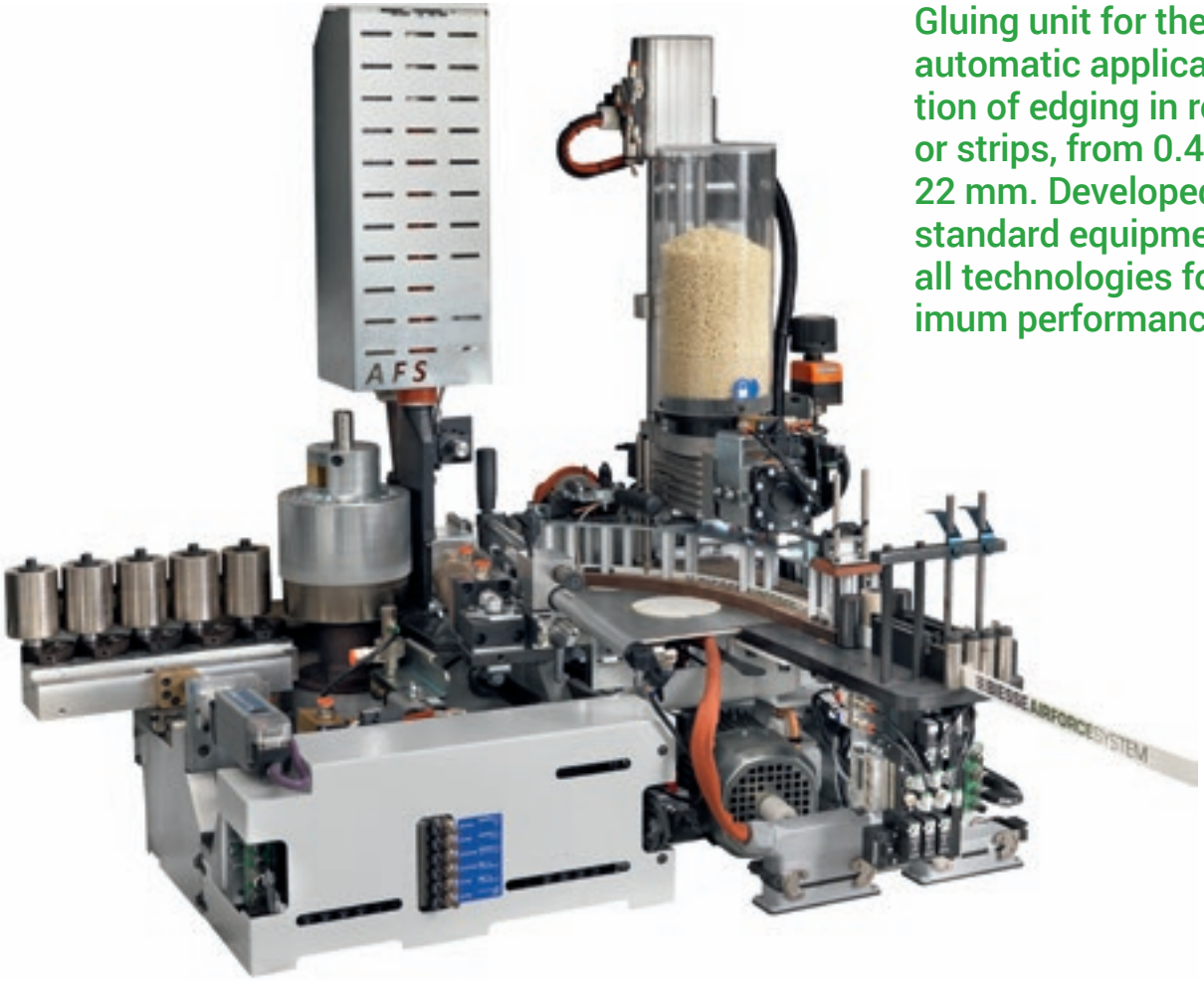


MASS CUSTOMISATION

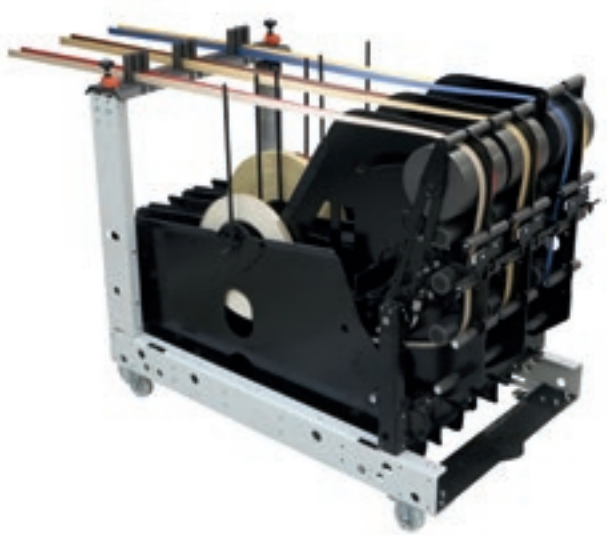
Over 2.5 billion possible configurations to meet any processing needs.

18 working units available, which can be combined and, in some cases, repeated, to obtain high-quality, customised products. Thanks to the advanced technology of some units, it is possible to manage endless machining positions; the machine adapts to the process being executed based on the edge's thickness and material.

APPLICATION OF EDGEBANDING OF ANY SIZE



Gluing unit for the automatic application of edging in rolls or strips, from 0.4 to 22 mm. Developed as standard equipment for all technologies for maximum performance.



Greater flexibility and reduced tooling time thanks to the 2- or 6 -place magazine for automatic edge switchover in real time.

Glue pot
The **glue pot** is equipped with a pre-copying system to prevent direct contact between the roller and the panel, preserving the surface quality of the machined panel whilst allowing for a smooth and even application of glue, without wear to the glue pot.

Special new glue chuck for using EVA and PUR
- One single chuck that can work with both EVA and PUR in granules
- High flexibility thanks to the automatic system that drains the glue from below
- Automatic roller cleaning cycle on the basis of the panel length

Pre-melter for EVA glue
To meet all the priority machining needs:
- more glue available
- easy control of the glue level.

Pre-melter Top Melt TM20
New system for melting polyurethane glue from above.
- High flexibility of use.
- PUR glue on demand, according to the amount of glue used.
- Hermetically sealed system for extended glue life.

Advanced management of PU glue depending on machining requirements.

AIR FORCE SYSTEM

INVISIBLE EDGEBANDING

No joints and no glue line, in perfect harmony with the panel.

Air Force System, available on Biesse edgebanding machines, is based on the physical principle of convection. By using a compressed hot air system, the edge bonds perfectly with the panel guaranteeing resistance to water and heat and an excellent long lasting quality finish.

MAXIMUM VISIBILITY OF MACHINING OPERATION

A specific Research & Development team creates pioneering solutions to meet market requirements and offer cutting edge technology that is reliable and guarantees first-class results.

Cutting quality and precision thanks to the End Trimmer that supports the trimming of the panel edge at both ends. 2 versions available depending on machining requirements.

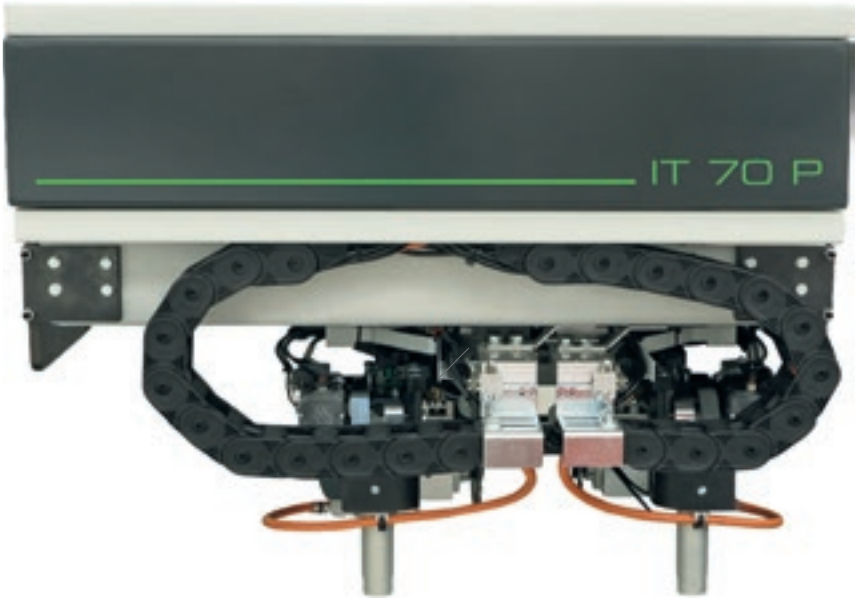
IN801
The edge trimming unit, on its THK double guide rail, guarantees optimal vibration absorption.

The IN801 unit includes, as standards:

- **the dynamic suctioning system that follows the blades' every move,**
- **automatic blade tilting,**
- **copying system suitable for processing hinge holes.**

The copying and tracing system guarantees optimal finish quality also on high-gloss edges with film.

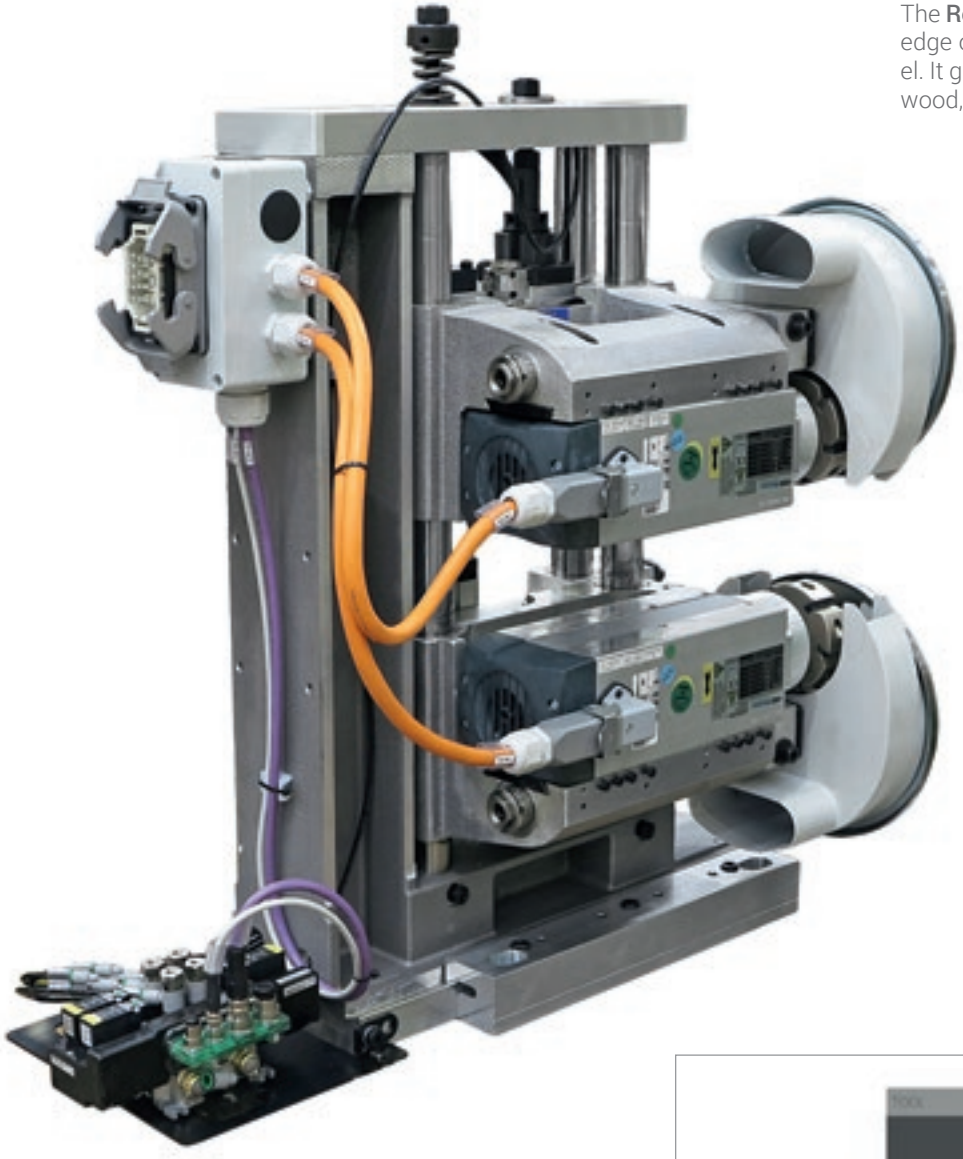
IT70P
Linear edge trimming unit with stepper movement. Solid wood machining up to 12 mm, speed up to 25 m/min.



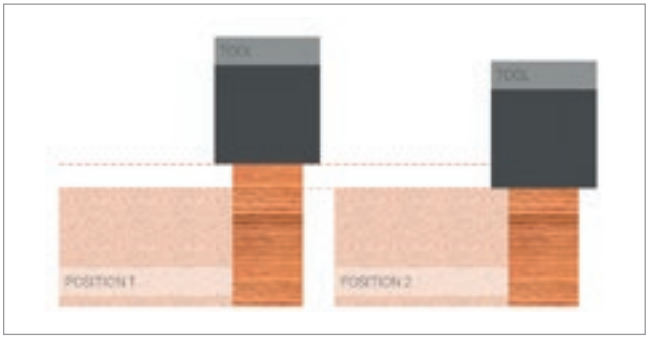
IT90S
Pneumatic edge trimming unit with linear movement.
Solid wood machining up to 22 mm.
Speed up to 25 m/min.

REDUCED PRODUCTION TIME

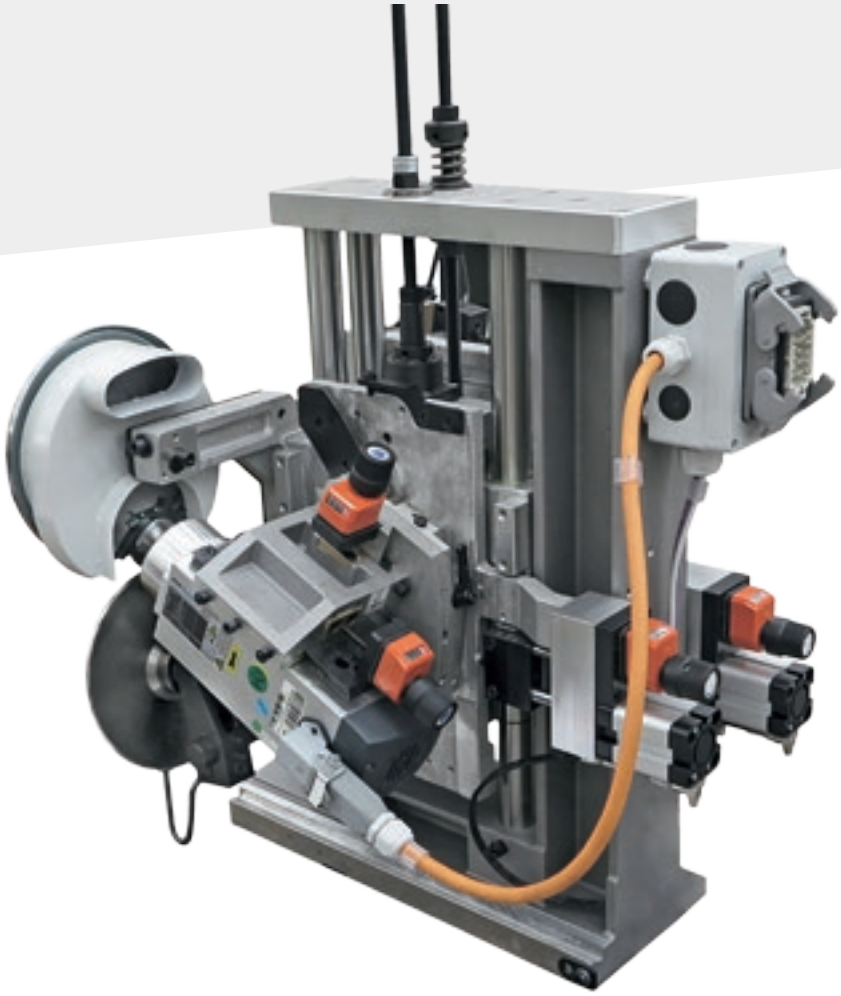
Stream A offers personalised solutions that enable a reduction of set-up and machining times.



The **Rough Trimmer** reduces the excess edge on the top and bottom of the panel. It guarantees a perfect finish for solid wood, in one single movement.



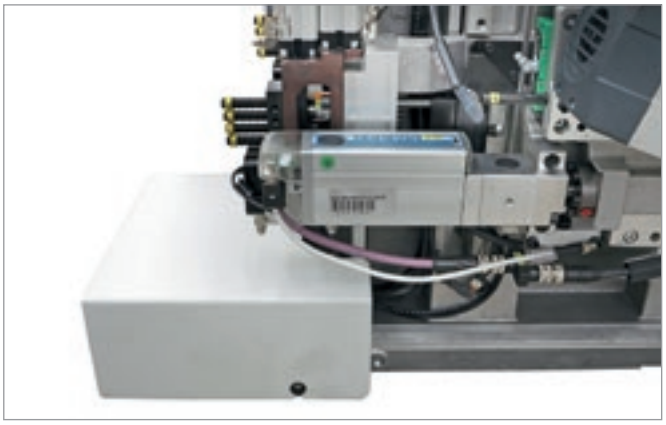
Duo System is a device for the automatic changeover between the rough-shaping and finishing functions.



The **Fine trimmer**, for fine trimming of the top and bottom edges. Complete with 2 high-frequency motors and vertical/horizontal copiers with rotating disc.

RF100
The ideal unit for standardised production that enables maximum machining quality.

RF300
Manual management of machining settings with 4 automatic tool profile settings. Greater setting speed to move from one machining operation to the other.



RF400
Full machining setting autonomy. The ideal solution for users who require absolute machining flexibility, thanks to the full adjustment of the machine to the required edge thickness.

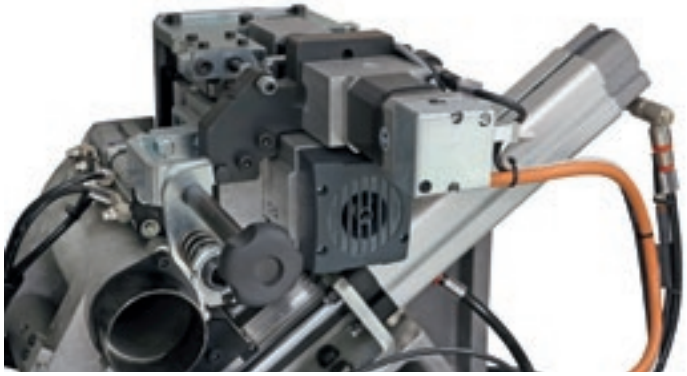
UNIQUE TECHNOLOGY ON THE MARKET

Unique innovations in this machine price range to meet productivity and flexibility requirements of the most demanding manufacturers.

The multi-function **Corner Rounding Unit** forms a radius on both the front/rear and top/bottom edges.

AR30NC
Equipped with two engines for standard machining operations.

AR34NC
Equipped with four engines to process even different materials such as rounded wood edges.



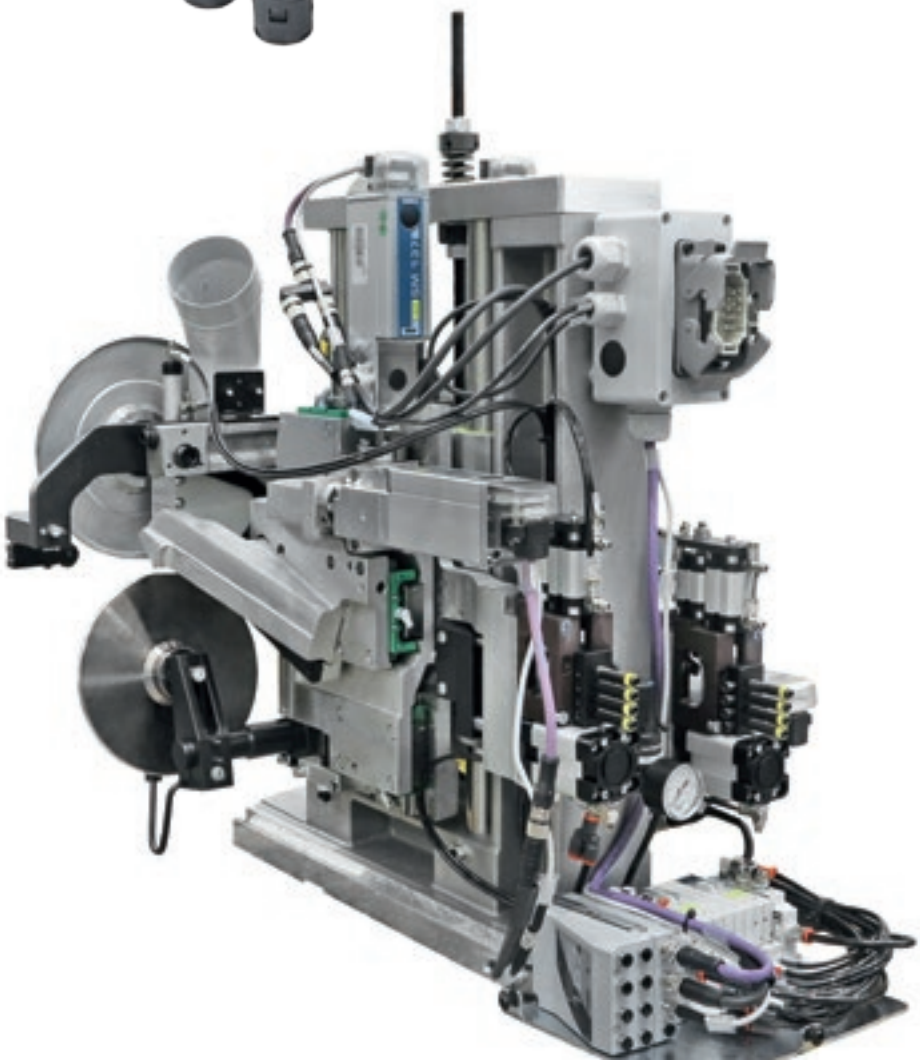
The controlled axis, fitted as standard on both version of the Corner Rounding unit, supports the management of infinite machining settings. The machine is perfectly suited to manufacturing needs.

Q-System
Patented Q-System chuck with real-time profile change.

The **Edge scraper** eliminates the imperfections resulting from previous machining operations on the top and bottom of the edge.

RB02
Compact working with the management of 2 controlled-axis profiles for infinite settings.

RB300
Positioned on the column, it allows the management of four automatic blade settings



RB400
Positioned on the column for the complete absorption of any vibration generated on the structure, with the management of 2 controlled-axis profiles for infinite settings.

HIGH-QUALITY PRODUCTS

High-tech solutions designed for the perfect finish of any type of machining operation.

The **Grooving unit** can be tilted from 0 to 90°. It produces grooves and milling on the underside on the edge of the panel.

The **sanding unit** to sand wood edges can be tilted from 0 to 45°.

ULTIMATE RESULTS FOR FINISHED PRODUCTS

The **Glue Scraper** removes excess glue from the top and bottom of the panel. This is the only model on the market fixted with 4 pneumatic cylinders for a top quality finish.

Buffing unit to clean and polish the edge and the panel.

Hot air blower for reactivating the colour of the edges (opz.).

UNIQUE TECHNOLOGY ON THE MARKET

Immediate, user-friendly programming thanks to the touch-screen control panel.

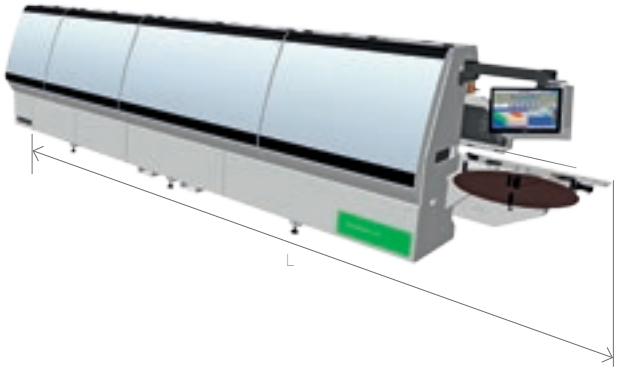
Advanced Statistics for monitoring productivity:

- Different types of charts available to understand and improve edgebanding machine performance
- Sub-division of the production statistics on the basis of the batch or the time gap
- Mobile app for keeping in contact with the machine status at all times.

New SMART TOUCH control
SINTRA HD software with modern, intuitive graphics for simplified edgebanding machine management Maximum usability thanks to the 21.5" Full HD screen, which guarantees optimal visibility.

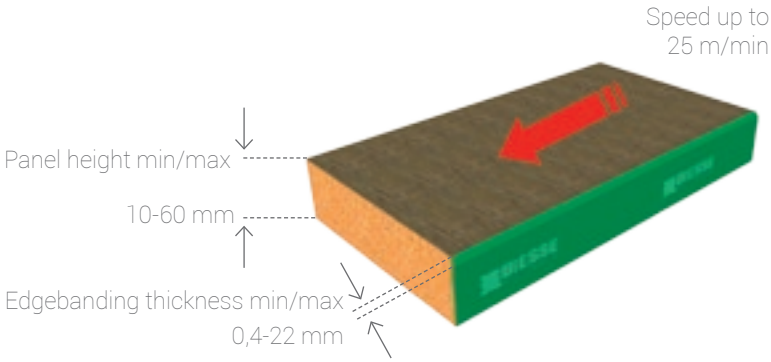
- **Easy program management and usability.**
- **Rapid transition from one machining operation to the next.**
- **Modern, intuitive graphic interface.**

TECHNICAL SPECIFICATIONS



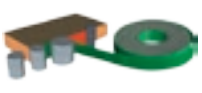
STREAM A

Stream A/5.0	mm	6450
Stream A/6.0	mm	7450
Stream A/6.5	mm	7950



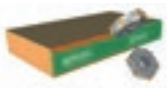
MANY UNITS AVAILABLE TO CONFIGURE THE MACHINE BASED ON MACHINING REQUIREMENTS

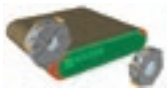

Pre-milling unit

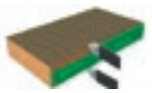

Gluing unit


End trimmer


Rough trimmer

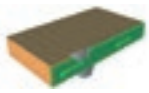

Fine trimmer

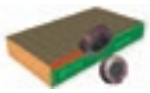

Corner rounding tool

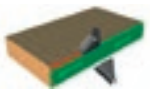

Edge scraper


Grooving unit


Sanding unit


Glue scraper


Buffing unit


Hot air blower

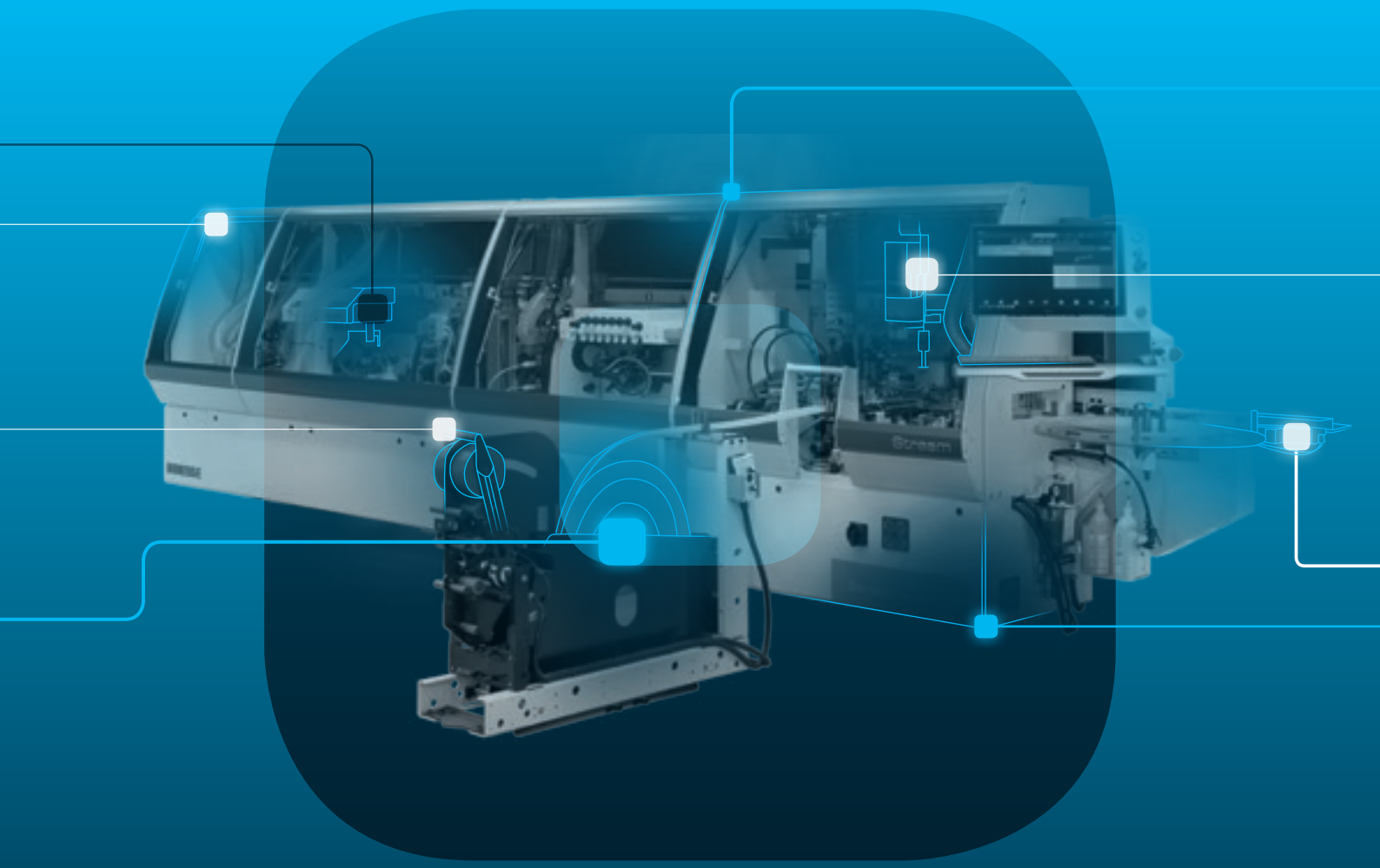
The technical specifications and drawings are non-binding. Some photos may show machines equipped with optional features. Biesse Spa reserves the right to carry out modifications without prior notice.

A weighted sound pressure level (LpA) during machining for operator workstation on vane-pump machine Lpa=79dB(A) Lwa=96dB(A) A-weighted sound-pressure level (LpA) for operator workstation and sound power level (LwA) during machining on cam-pump machine Lwa=83dB(A) Lwa=100d- B(A) K measurement uncertainty dB(A) 4

The measurement was carried out in compliance with UNI EN 848-3:2007, UNI EN ISO 3746: 2009 (sound power) and UNI EN ISO 11202: 2009 (sound pressure levels at workstation) during panel machining. The noise levels shown are emission levels and do not necessarily correspond to safe operation levels. Despite the fact that there is a relationship between emission and exposure levels, this may not be used in a reliable manner to establish whether further measures need to be taken. The factors determining the exposure level for the workforce include length of exposure, work environment characteristics, other sources of dust and noise, etc. i.e. the number of other adjoining machines and processes. At any rate, the above information will enable the operator to better evaluate dangers and risks.

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.

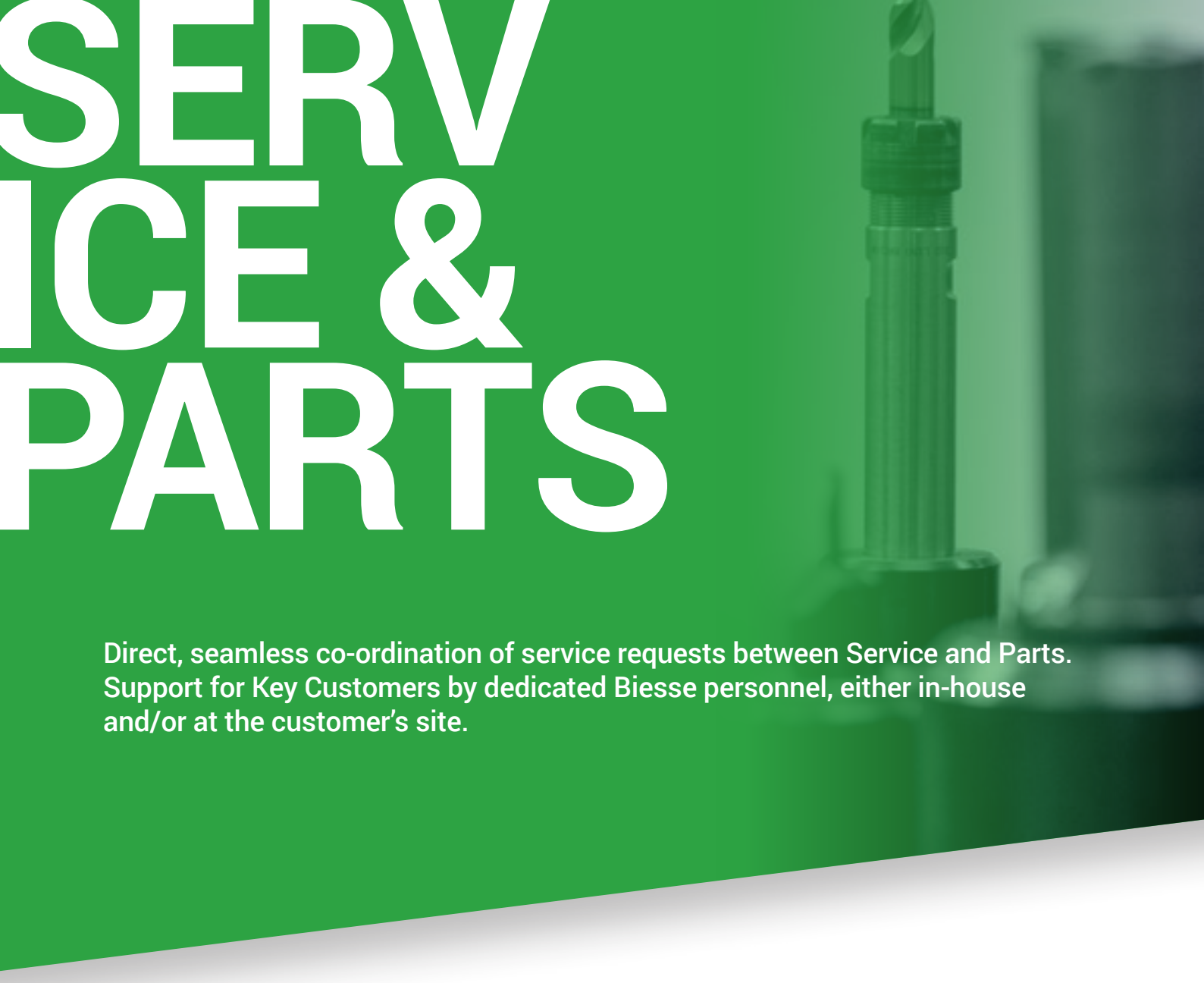
PARTS SOPHIA

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

SERVICE & PARTS



Direct, seamless co-ordination of service requests between Service and Parts. Support for Key Customers by dedicated Biesse personnel, either in-house and/or at the customer's site.

BIESSE SERVICE

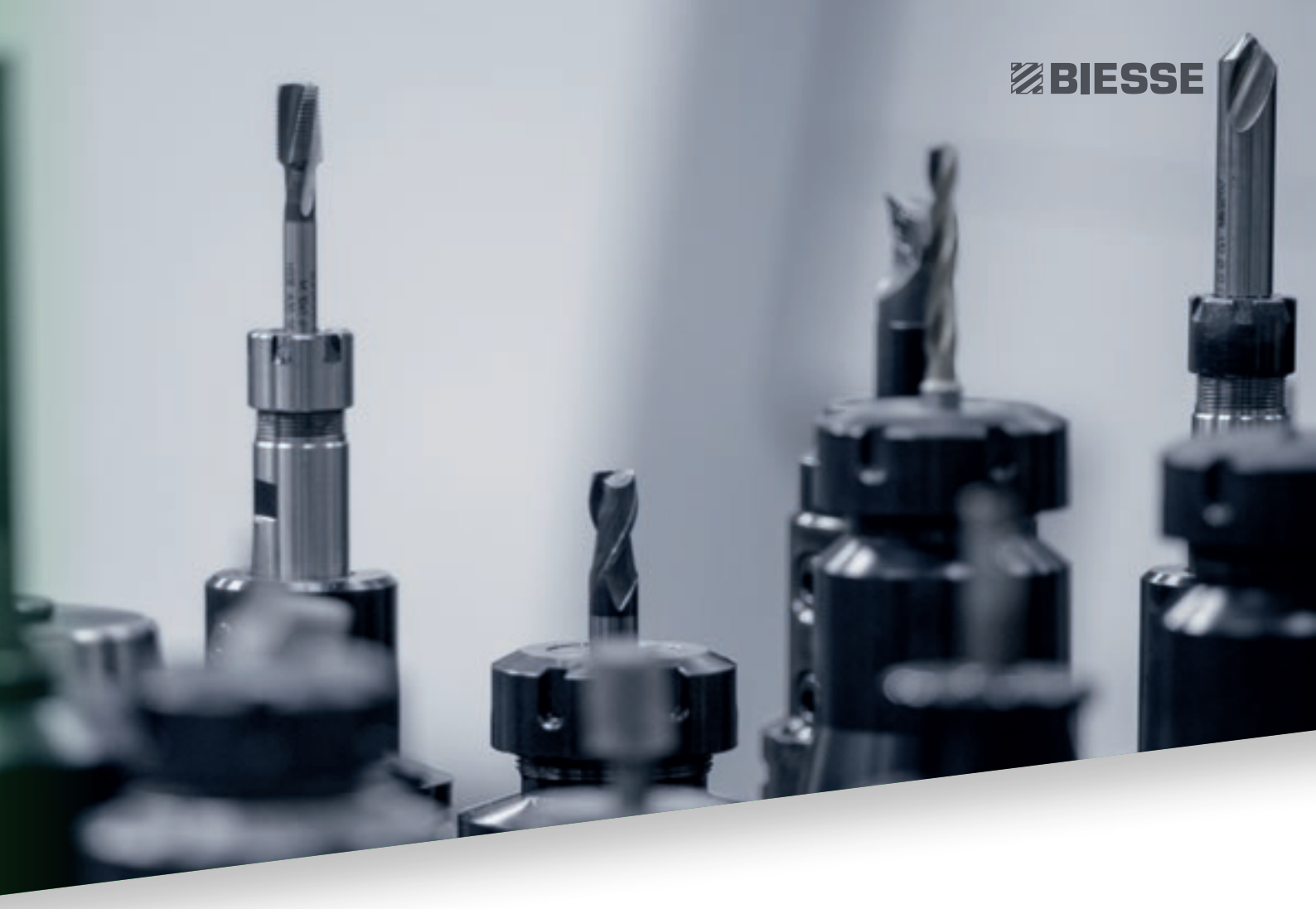
- Machine and system installation and commissioning.
- Training centre dedicated to Biesse Field engineers, subsidiary and dealer personnel; client training directly at client's site.
- Overhaul, upgrade, repair and maintenance.
- Remote troubleshooting and diagnostics.
- Software upgrade.

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 its products and after-sales service through two dedicated areas: Biesse Service and Biesse Parts.
With its global network and highly specialized team, it offers technical service and machine/component spares anywhere in the world on-site and 24/7 on-line.

BIESSE PARTS

- Original Biesse spares and spare kits customized for different machine models.
- 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 time optimized thanks to a global distribution network with de-localized, 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

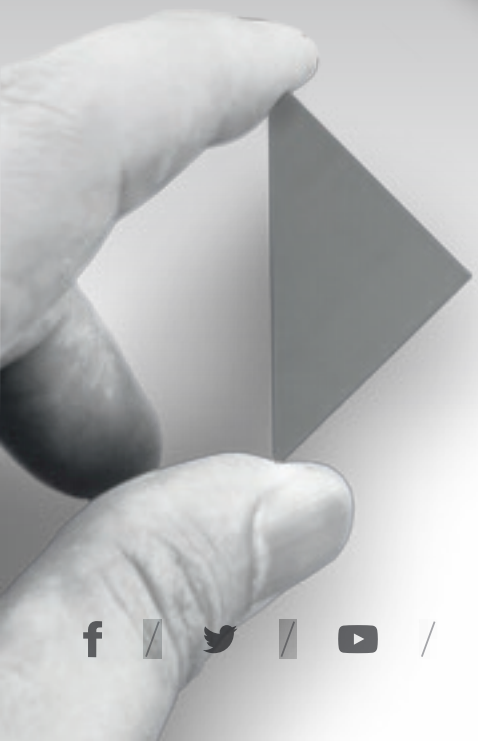
A NEW EDGEBANDING SYSTEM TO ENSURE QUALITY

Closet America, a leading home and professional closet system manufacturer headquartered in Lanham, Maryland, is proud to be the first company in the United States to incorporate the Biesse AirForce edgebanding system into its production line. "In our efforts to provide our customers with a high-quality, customised closet system along with our top-notch customer service, we were excited to invest in the Biesse AirForce system. Closet America is known for our quality closet design, our superior product and expert installation. Our investment in the AirForce system, coupled with the use of Rehau's LaserEdge edgebanding material, is another step towards continuously exceeding our customers' expectations". The AirForce system enables companies to exploit the sustainability benefits provided by the excellent range of laser edgebands with invisible glue line. AirForce emits compressed air at a very high temperature from a special nozzle directly onto the reactive layer of the laser edgeband, thus activating the layer and welding the edgeband to the substrate. Installing the new Stream A together with AirForceSystem will result in a product of an exceptional quality, apart from contributing to increasing manufacturing speed".

Skip Labella
President of Closet America

BIESSEGROUP.COM

LIVE THE EXPERIENCE



50 YEARS

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

N5808N0232 february 2019

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