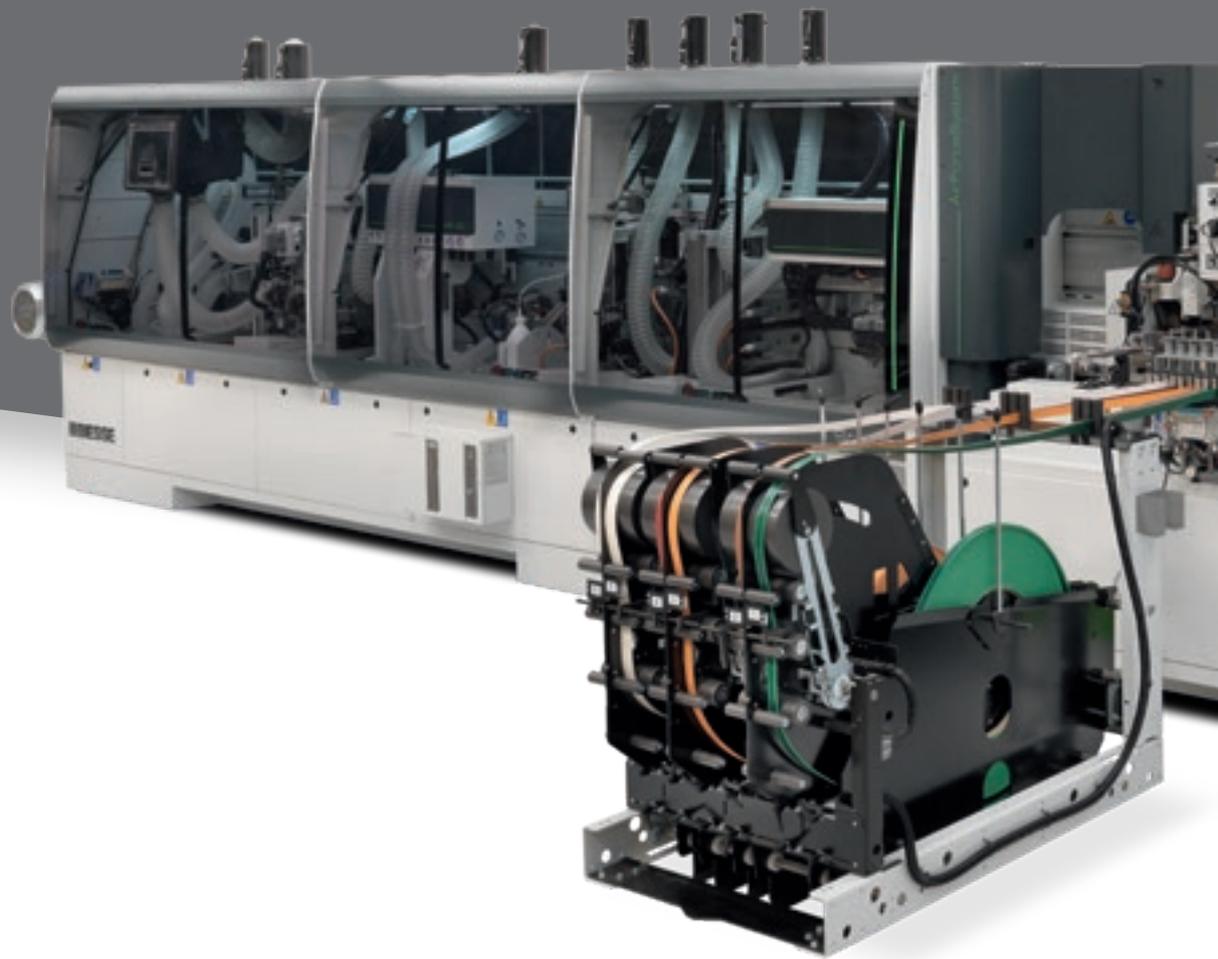


STR EAM A

**AUTOMATIC SINGLE-SIDED
EDGEBANDING MACHINES**



RELIABILITY ACROSS SEVERAL WORK SHIFTS



THE MARKET EXPECTS

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 medium sized companies 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

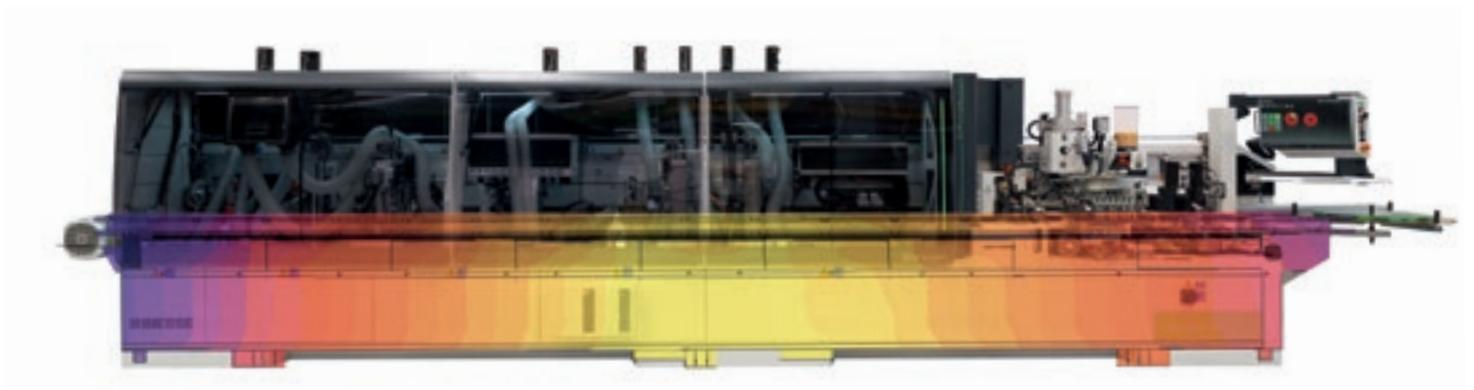
The sturdy structure guarantees the precision and reliability typical of production-line machines.

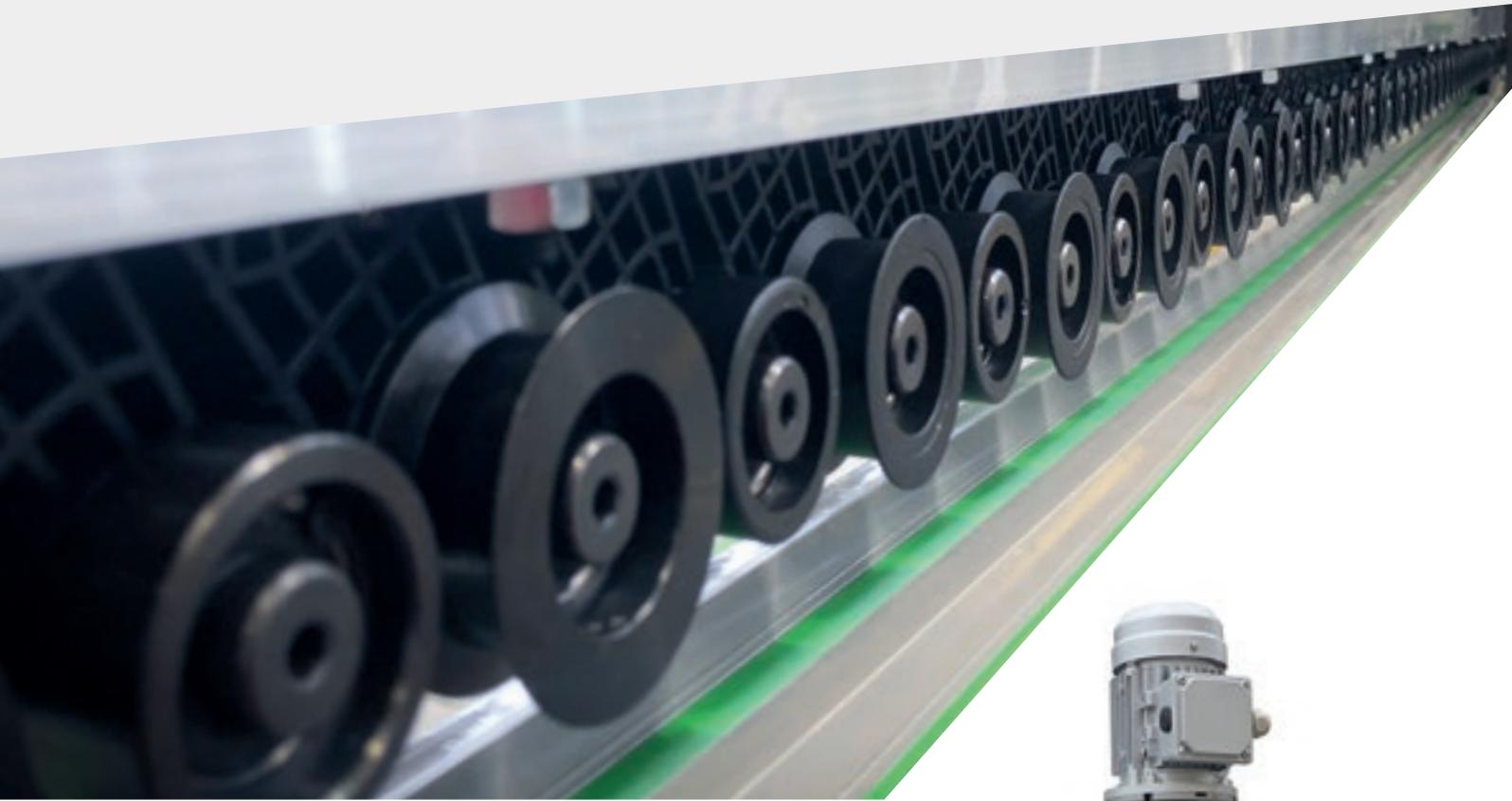
The **monolithic base** provides high stability and allows the machine to operate also over several work shifts whilst continuing to deliver high quality standards.



+69% RIGIDITY

According to the FEM structural analysis that examines structural resistance, the rigidity of the components, deformation, kinematic mechanisms, etc., the new base is 69% more rigid. Reliability and outstanding precision prove once again to be a constant factor in Biesse technologies, guaranteed over time.





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.



The sturdy 30 mm **columns**, fixed directly on the base, fully absorb all vibrations generated during machining.

NEW DESIGN



More spacious new design,
optimised for greater practicality.



Vertical LED bar with different colours
to understand the machine status at
any moment.



PERFECT GLUING SURFACE



The **RT30 2-motor Pre-milling Unit** with automatic intervention guarantees a perfect base for gluing. With its dual copying system, it can machine the panel profile without losing the squaring.



The **RT20 2-motor Pre-milling Unit** with automatic intervention guarantees a perfect base for gluing. New optimisation of the suction system guarantees optimum cleaning.

WLM - Working line management

System that allows the monitoring of the work line by means of a precise magnetic strip device.

This device ensures the perfect setting of the machine work line after every change or resharpening of the grinding tools, thanks to a guided process on the screen.



IDENTITY

PRACTICAL DESIGN

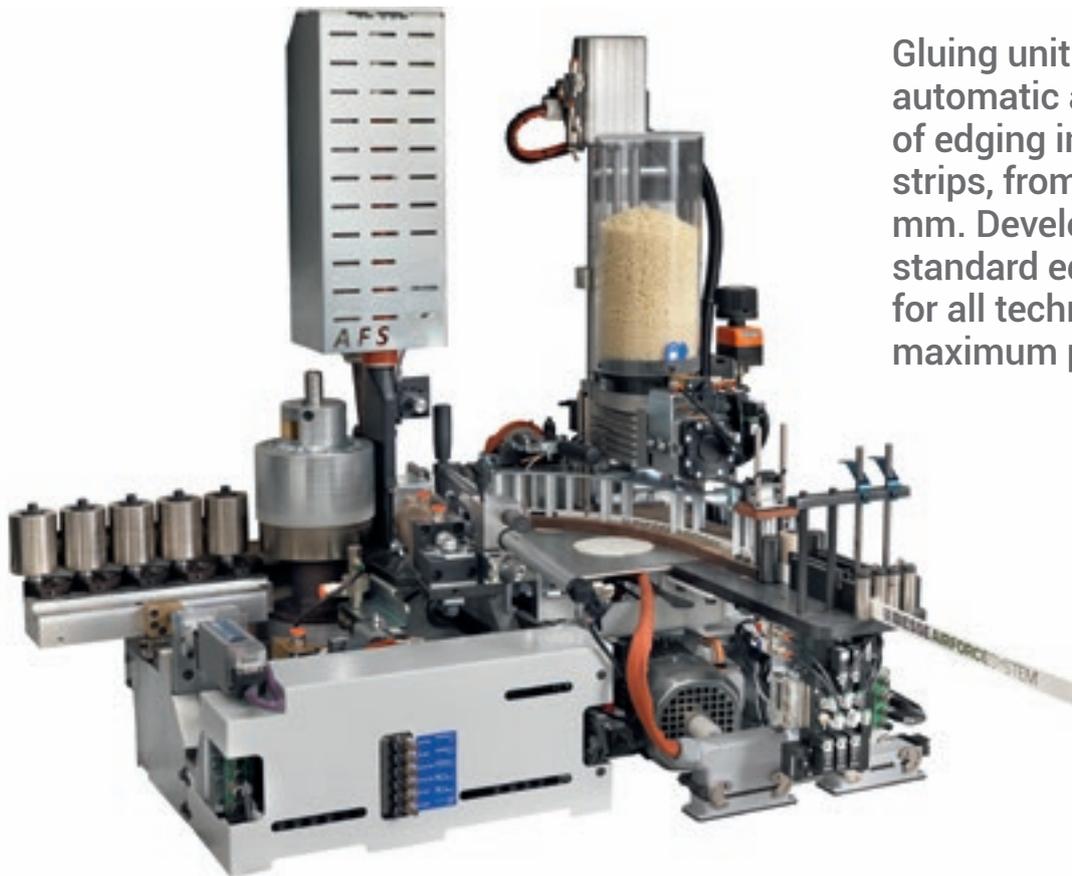
An innovative yet simple design is the hallmark of Biesse's distinctive identity.

The transparent polycarbonate reinforced protection door is designed to guarantee maximum visibility for the operator. Fitted with 5-colour LEDs indicating machine status, it ensures that processing phases can be easily and safely monitored.





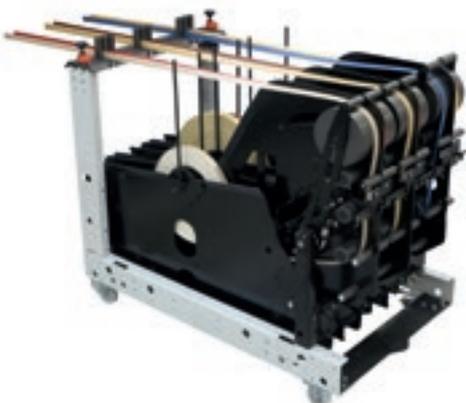
APPLICATION OF EDGEBANDING OF ANY SIZE



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.

Banding material container

Boosted flexibility and reduced tooling times, thanks to the magazine with up to 6 places for automatic edgeling strip replacement in real time.



Minimal set-up times

Thanks to the ESM device, the coil magazine can be managed with minimum set-up times and coil consumption can be monitored in real time.

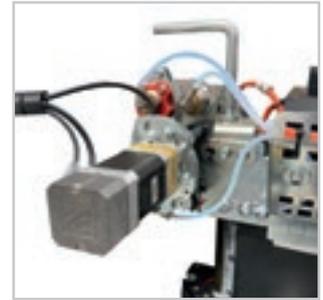


WATCH THE VIDEO



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
- CN axis for glue quantity adjustment (optional)
- Glue level sensor, Pop up alert in the screen when the glue is finishing



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

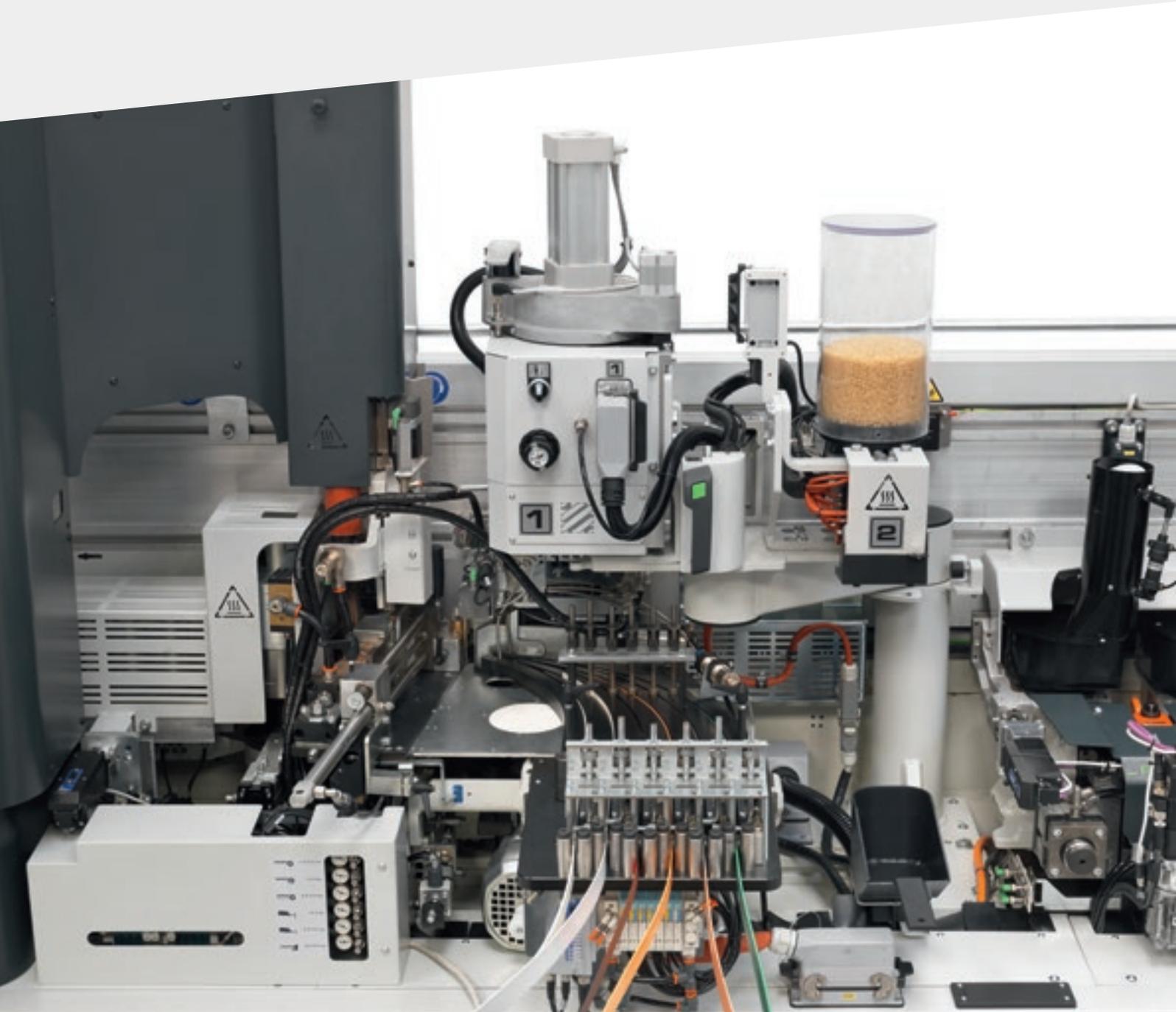
New system for melting polyurethane glue from above.

- 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.

TWIN PRE-MELTERS: MAXIMUM MACHINING FLEXIBILITY AND EFFICIENCY



Thanks to the new gluing device designed for Stream A, the gluing unit can now house 2 pre-melters that can be alternated with just a few steps.

INNOVATIVE SYSTEM, BIESSE TECHNOLOGY



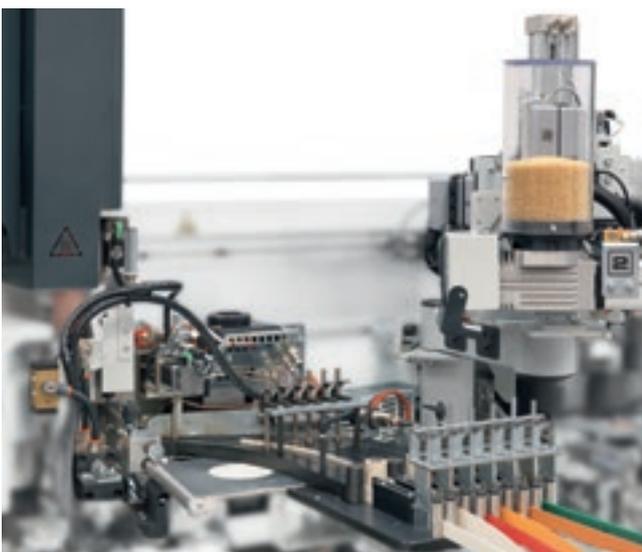
The new gluing device uses a unique technology that allows the machine to be equipped with either:

- 2 pre-melters with PUR polyurethane glue
- 1 PUR pre-melter + 1 EVA glue pre-melter
- 2 pre-melters with EVA glue



In just a few simple, fast steps, the operator can:

- Quickly **change the glue colour**
- Pass from **PUR to EVA** and vice versa
- **Clean the unused pre-melter in real time**, without stopping the machine



The gluing unit is designed to simplify and optimise the work process, with the result that the working area is cleaner and maintenance is made easier.

Stream A offers improved productivity and performance, guaranteeing top quality finishing every time.

AIR FORCE SYS TEM

INVISIBLE EDGEBANDING

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

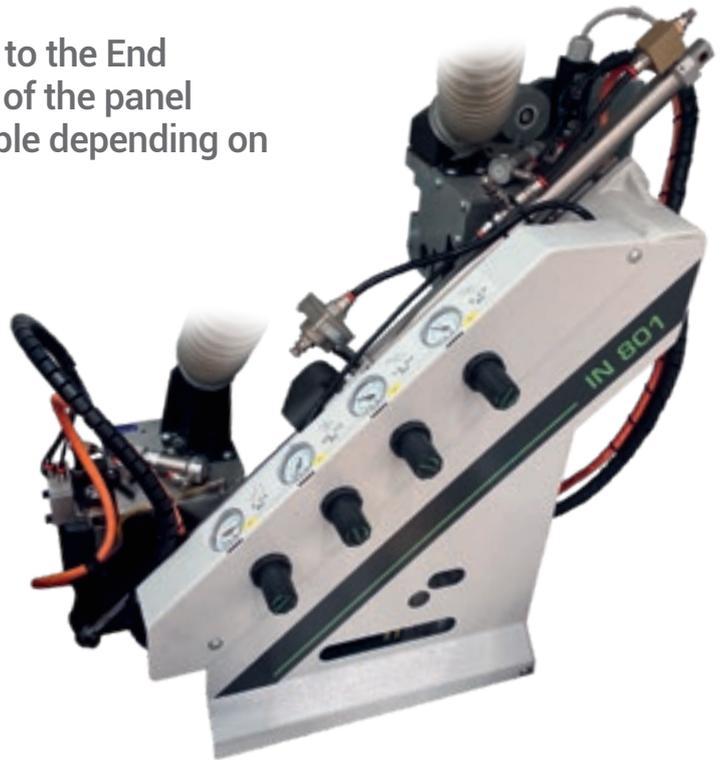
AirForce System is evolving, becoming ever more efficient with reduced energy consumption and noise levels.

AFS, available on Biesse edgbanding 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

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.



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.



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.



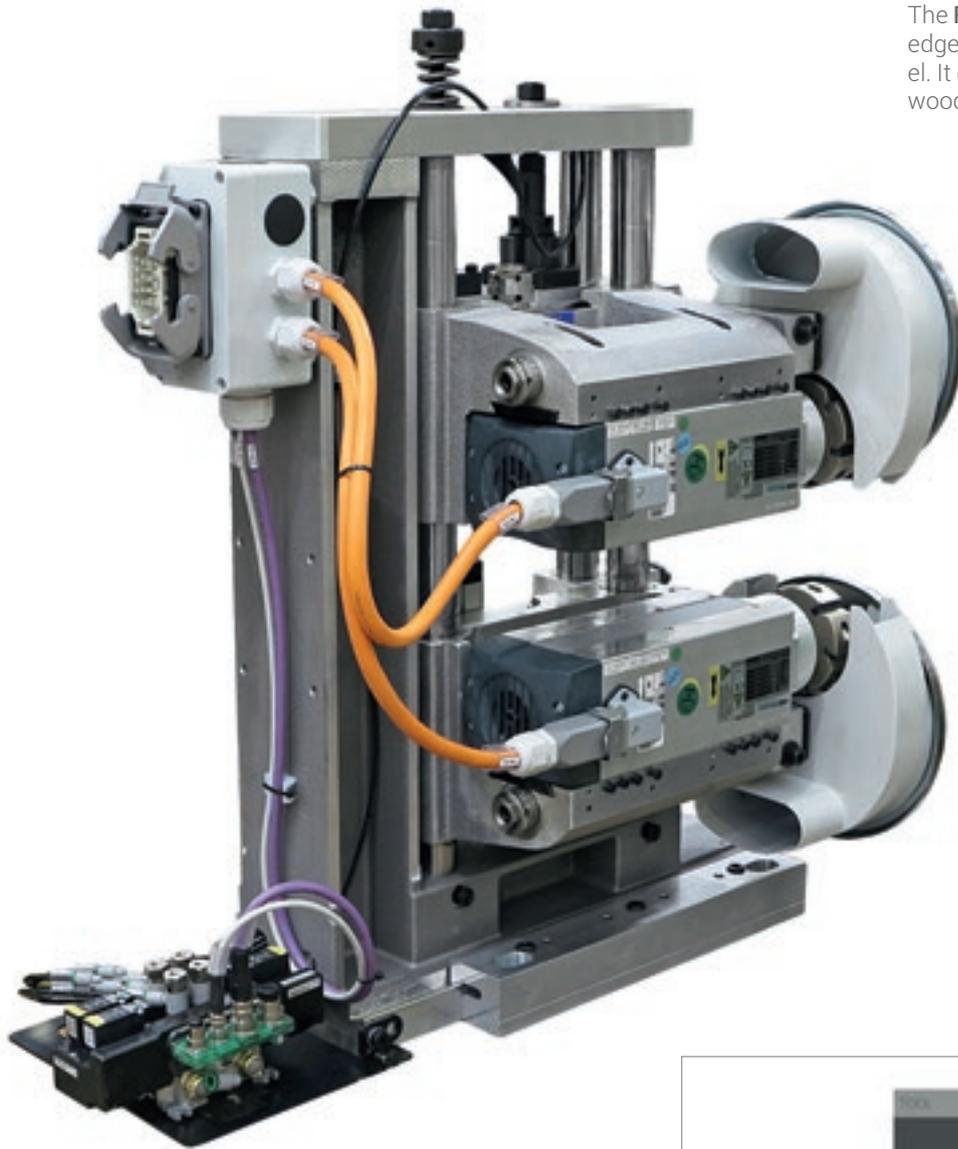
IT90P

Linear edge trimming unit with stepper movement. Solid wood machining up to 22 mm, speed up to 25 m/min.

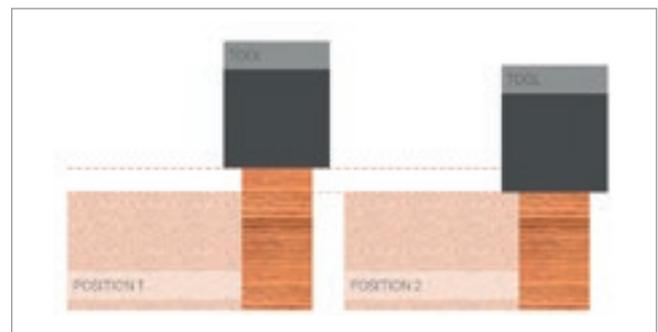


REDUCED PRODUCTION TIME

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.



Fine trimmer unit

trims or cuts the corners on the upper and lower edges of the edgebanding strip applied. Quick and easy adjustment, thanks to 4 controlled axes able to switch between 5 different true profiles and endless other intermediate positions to ensure the highest work quality. Complete with 2 high-frequency 0.65 kW motors (12000 rpm each).

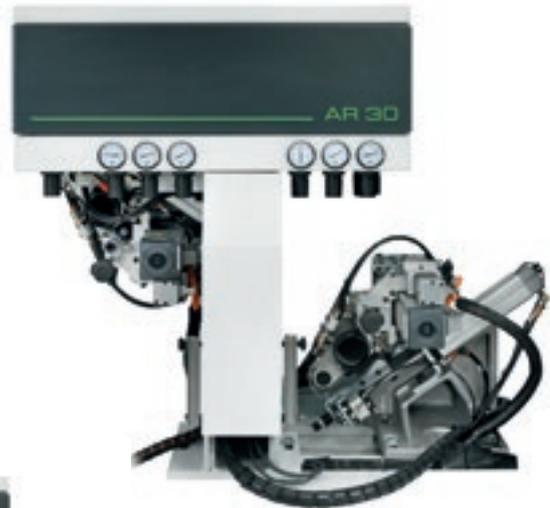
UNIQUE TECHNOLOGY ON THE MARKET

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.

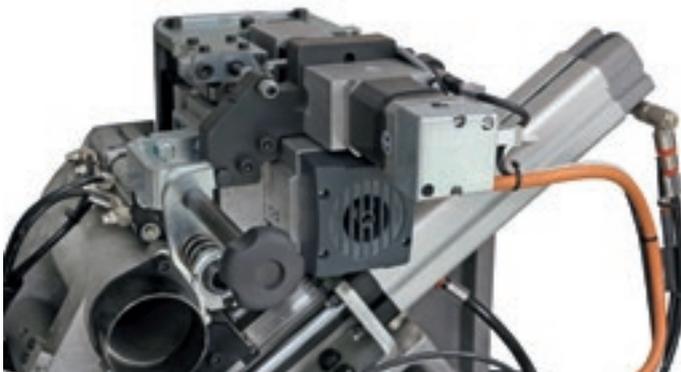
AR30

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.

FIRST CLASS TECHNOLOGY TO MEET THE NEEDS OF FLEXIBILITY AND PRODUCTIVITY

AR70 electronic rounding device

Completes the head and tail of the panel.

- 3 brushless motors for fast and precise movements
- Diamond tool with 5 profiles for maximum processing flexibility
- Unprecedented quality finish thanks to high frequency electrospindle 18000 rpm with HSK coupling



Reliability
and performance
without compromise.



ULTIMATE RESULTS FOR FINISHED PRODUCTS



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 axes profiles for infinite settings.



Edge-scraper unit on a column. Quick and easy adjustment, thanks to 4 controlled axes able to switch between 5 different true profiles and endless other intermediate positions to ensure the highest work quality.



HIGH-QUALITY PRODUCTS

RCC-701 / RC40

The **Glue Scraper** removes excess glue from the top and bottom of the panel. This is the only model on the market fixed 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.).



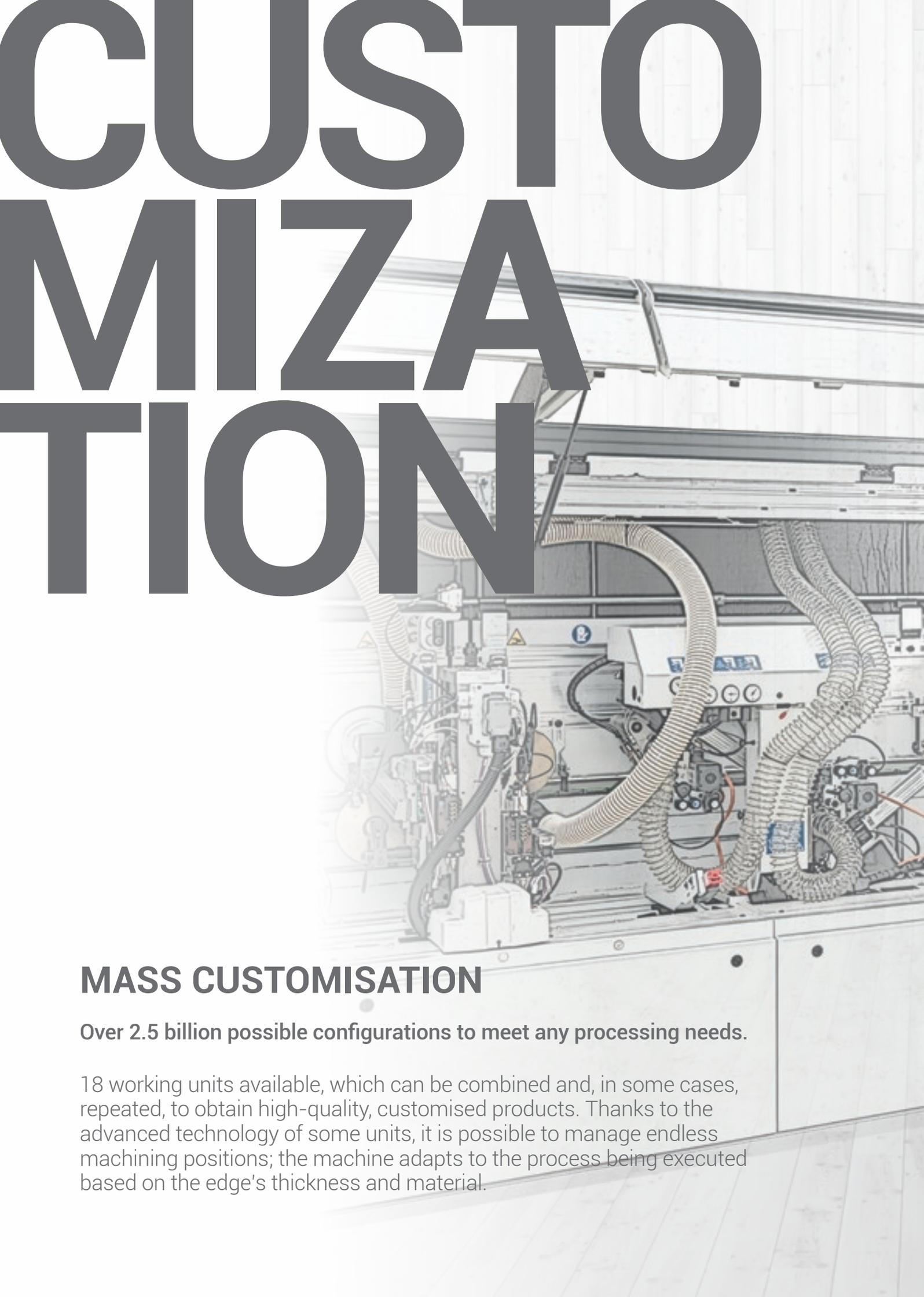
OPTIMISATION OF STAND-ALONE PROCESS



PRS panel return

- ▶ Increased productivity in a stand-alone context
- ▶ Management of entire edgebanding process with just one operator

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.

A WIDE RANGE OF MACHINING OPTIONS

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



TA501

The **Grooving unit** can be tilted from 0 to 90°. It produces grooves and milling on the underside on the edge of the panel. Various types are available, to meet every machining requirement: FB30, EB30, FB40, EB40.



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

TECHNOLOGY AT OUR USERS' DISPOSAL

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

MANAGING PRODUCTION IN A SIMPLE, USER-FRIENDLY MANNER

SMART CONNECTION
Powered by Retuner



SMARTCONNECTION IS A SOFTWARE PACKAGE FOR MANAGING JOB ORDERS WITHIN THE COMPANY - FROM THE GENERATION PHASE TO SCHEDULING AND PRODUCTION START-UP - IN JUST A FEW SIMPLE, INTUITIVE STEPS.

THANKS TO SMARTCONNECTION, PRODUCTION SITE MACHINES CAN BE LINKED UP TO TRANSFORM THE COMPANY INTO A 4.0 ENTITY..



SmartConnection is a web-based solution that can be used by any device.



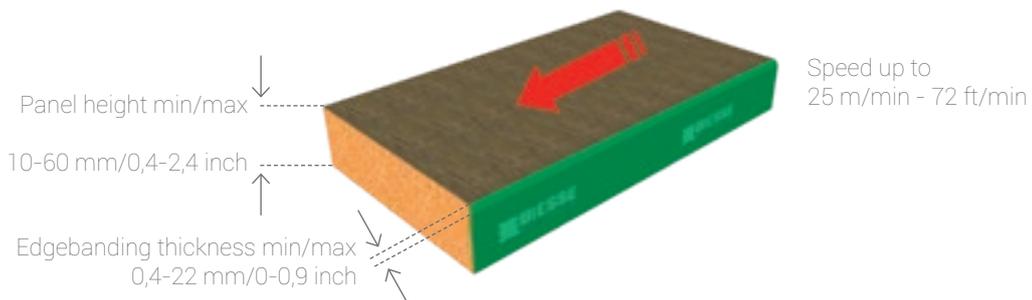
i Biesse is extending SmartConnection across all geographical areas.
To check availability in your country, get in touch with your commercial contact.

TECHNICAL SPECIFICATIONS

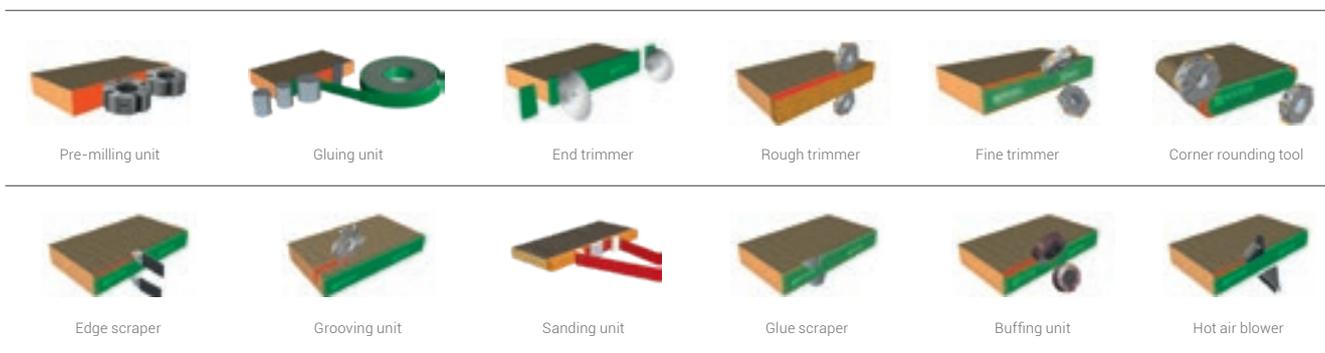


STREAM A

Stream A 7,0	mm/inch	8460/333
Stream A 6,5	mm/inch	7960/313
Stream A 6,0	mm/inch	7460/294



MANY UNITS AVAILABLE TO CONFIGURE THE MACHINE BASED ON MACHINING REQUIREMENTS



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 (Lp_{fA}) 80,36 dB (A). Weighted noise level A (L_{wA}) 99,96 dB (A). With AFS glueing device: Weighted surface noise level A (Lp_{fA}) 88,07 dB (A). Weighted noise level A (L_{wA}) 107,67 dB (A). Measurement uncertainty K = 4 dB (A).

The measurement was carried out in compliance with UNI EN ISO 18217, UNI EN ISO 3746, UNI EN ISO 11202 and subsequent modifications. 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.

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%

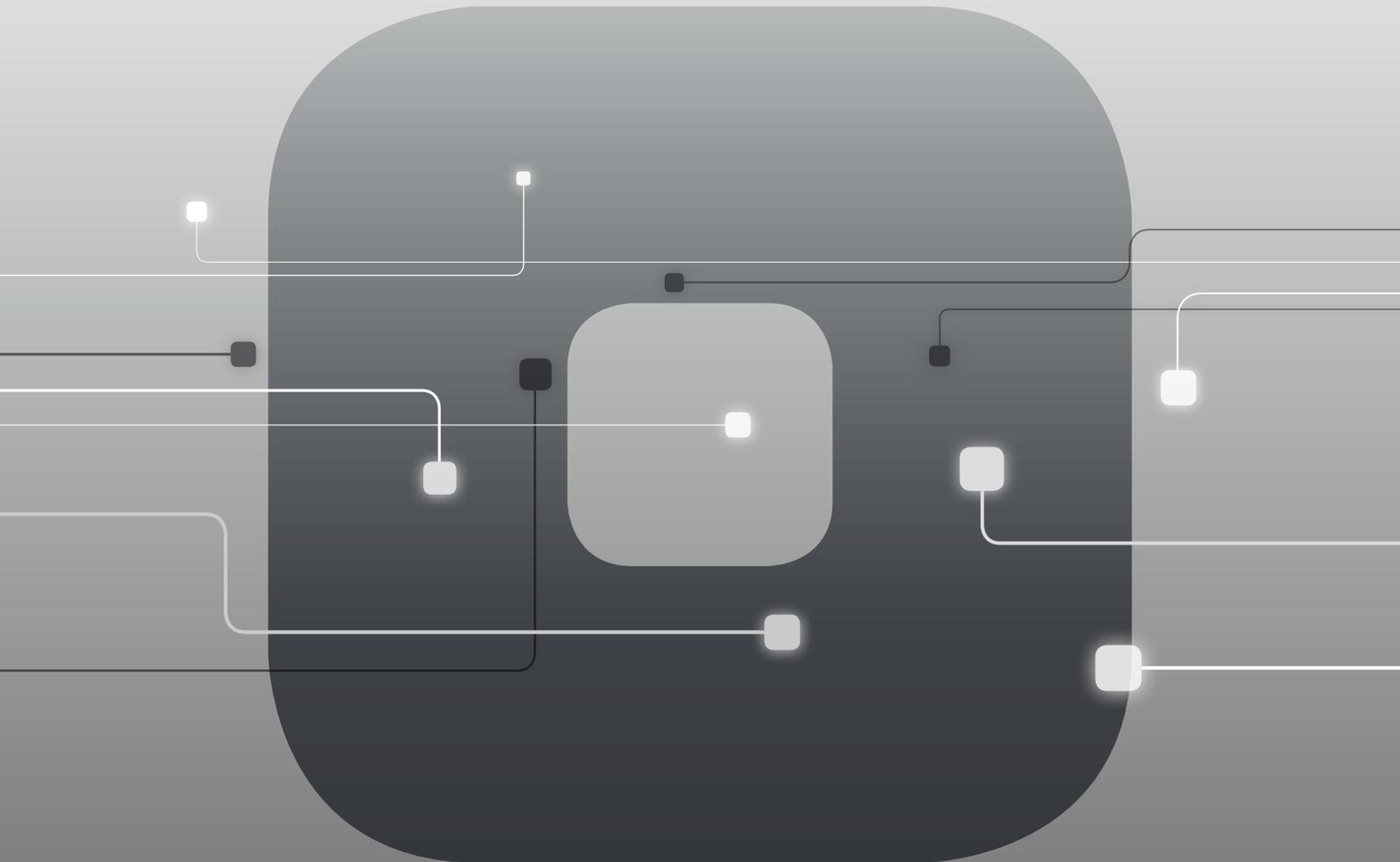
OF SPARE PARTS ORDERS
DELIVERED IN FULL ON TIME

88%

OF CASES SOLVED WITH
THE FIRST ON-SITE VISIT

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**

MADE WITH BIESSE

LE BOONE INTERNATIONAL TOP PRODUCTION WITH INTEGRATION AND AUTOMATION

Le Boone International was founded in 1950 by Jan Van Hecke, and has since become a worldwide point of reference in the furnishing sector.

Over the last thirty years, the company has specialised in the design and production of furniture items that optimise the space in the rooms where they're used, from the home to the workplace.

Despite its growth within the market, the company has maintained its production site in Poperinge, Belgium.

"Our market includes various target groups, from people looking for space to those who want to transform it and those who want to live one single area of the home in a multi-purpose way" explains Jan Van Hecke. Le Boone International was set up in a period when house prices were growing all the time: "with the rooms getting smaller, I glimpsed an opportunity. Thirty years ago, I started

creating solutions for safeguarding space, fitting out small rooms with furniture items that had a dual function so the room could be a living room by day and a bedroom at night" says Van Hecke.

The market of Le Boone International developed enormously within a short space of time, and that's why the company soon began to feel the need for machinery that would help speed up the production process so that the many market requests could be met. It decided straight away to invest, purchasing a whole Biesse line that now allows it to greatly reduce production and shipment times.

"After thoroughly analysing the market and evaluating the various solutions, we turned to Biesse. We received substantial technical support during the initial phase of choosing the product, discovering the multitude of possibilities in the huge Biesse range. Six months ago, we opted for a complete solu-

tion with a number of machines that work simultaneously in a line. "First of all", continues Jan Van Hecke, "the Brema Eko 2.1, a vertical boring machine for real time panel machining, the Stream A lateral edgebanding machine, and the Selco WN6 - a panel saw that stands out from its competitors for its amazing flexibility. The extent of the range, the flexibility of the products and the integration of technologies are the factors that have confirmed the efficacy and validity of our choice. For us, this has meant notable time saving, to the extent that after just one month we went from 3-month delivery times to just one and a half weeks, or two at the most. And all this with a general increase in the quality level as well. As a result, we've purchased a total of three Biesse machines", concludes Van Hecke.



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.



Join the
Biesse world.

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



