

STREAM A

AUTOMATIC SINGLE-SIDED
EDGEBANDING MACHINES



 **BIESSE**

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 adapts 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 B, allows the panel to run on the belt guaranteeing uniform pressure which is ideal even for more delicate coverings.



QUALITY EDGEBANDING



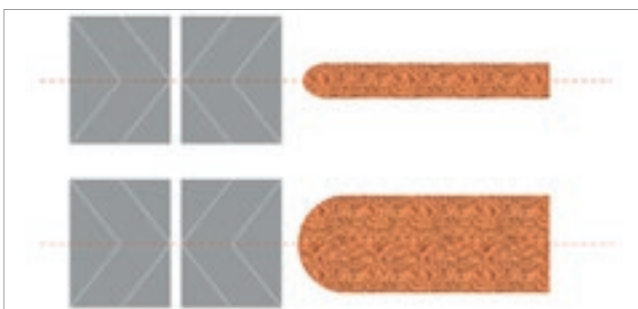
High-tech solutions created to guarantee high quality standards.

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

HSD



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

CUSTOMIZATION



MASS CUSTOMISATION

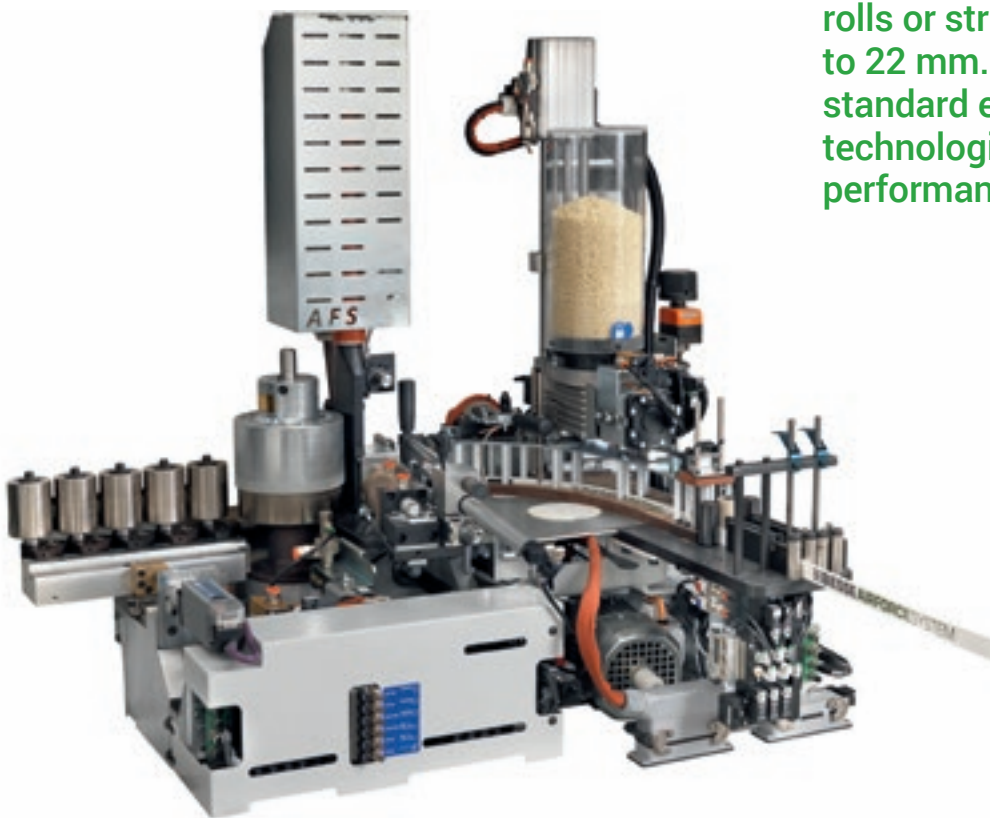
Over 2.5 billion possible configurations to meet any processing needs. A perfect combination of Biesse technology and Italian genius.

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.



Reduction of machine set-up time thanks to the 2-position magazine for automatic edge replacement in real time.



Pre-melter for EVA glue

To meet all the priority machining needs:

- ✔ more glue available
- ✔ easy control of the glue level.



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.



Advanced management of PU glue depending on machining requirements.



Prefusore Top Melt TM20

New system for melting polyurethane glue from above.

- ✔ High flexibility of use.
- ✔ Quick emptying system for ease of cleaning.
- ✔ Hermetically sealed system for extended glue life.

AIR FORCE SYSTEM

INVISIBLE EDGEBANDING

No joints and no glue line, in perfect harmony with the panel. A perfect combination of Biesse quality and Italian genius.

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.





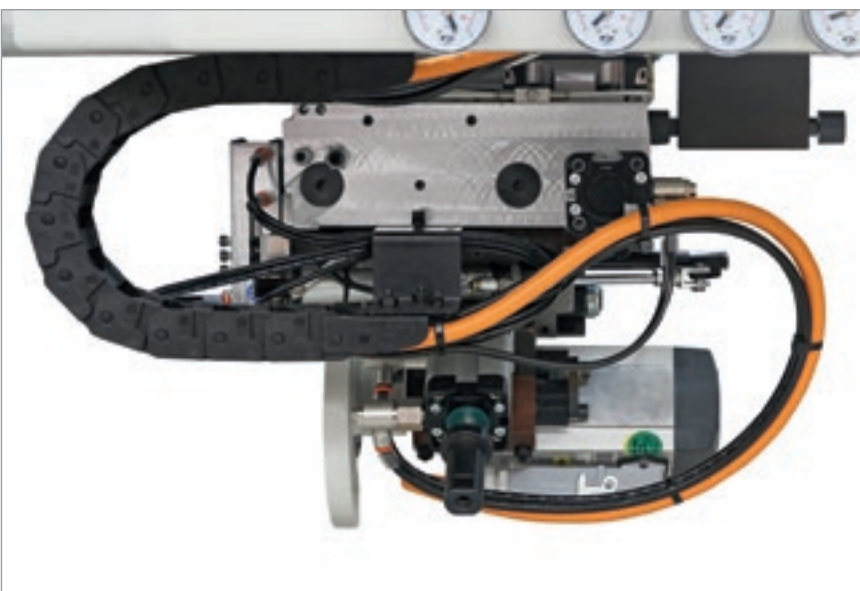
IT90S
Linear end trimmer for high speeds



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

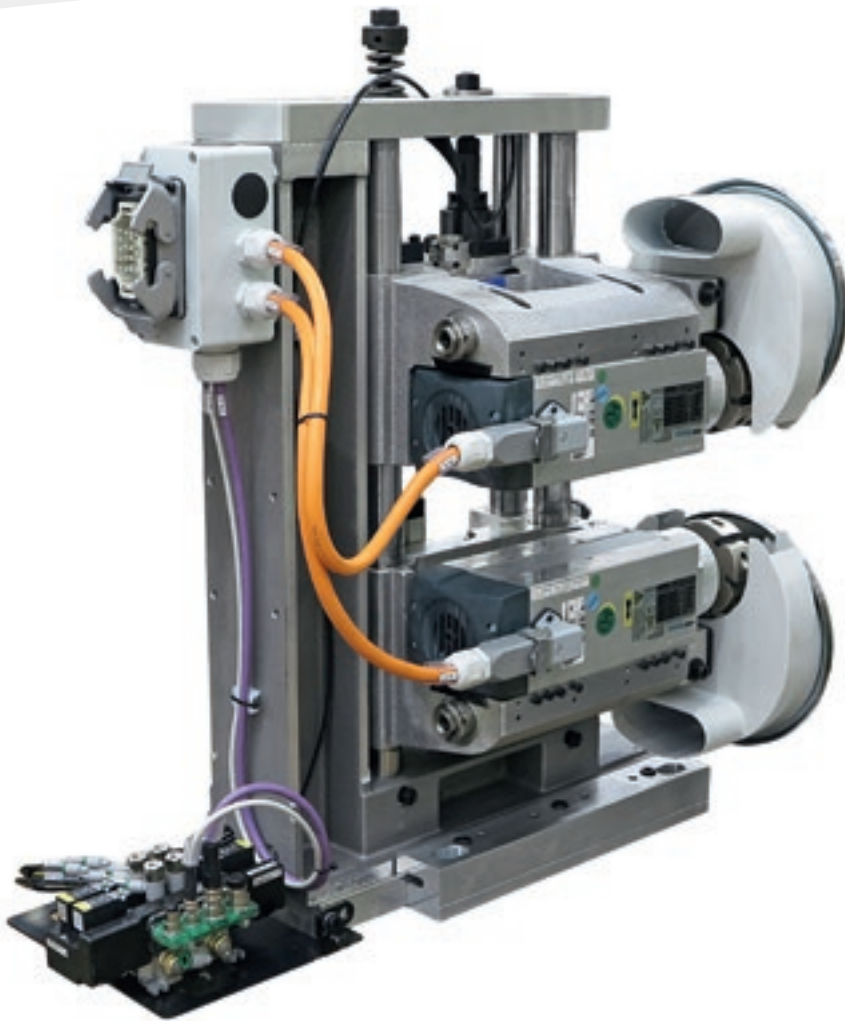


The machine movement on its axis, on linear tracks, allows the achievement of very high processing speeds.

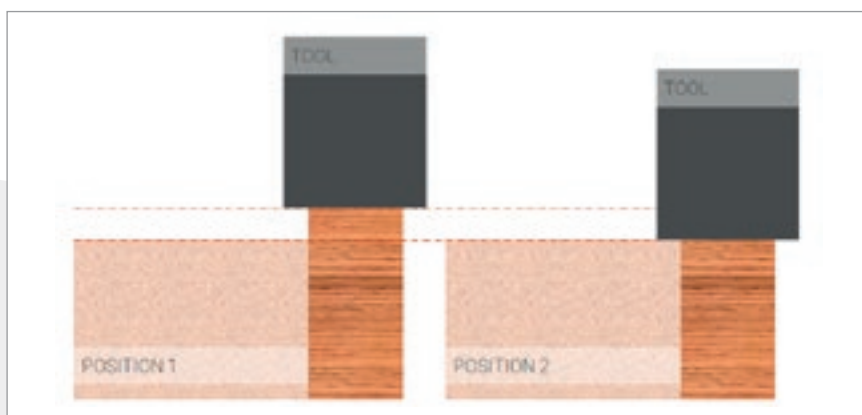


REDUCED PRODUCTION TIME

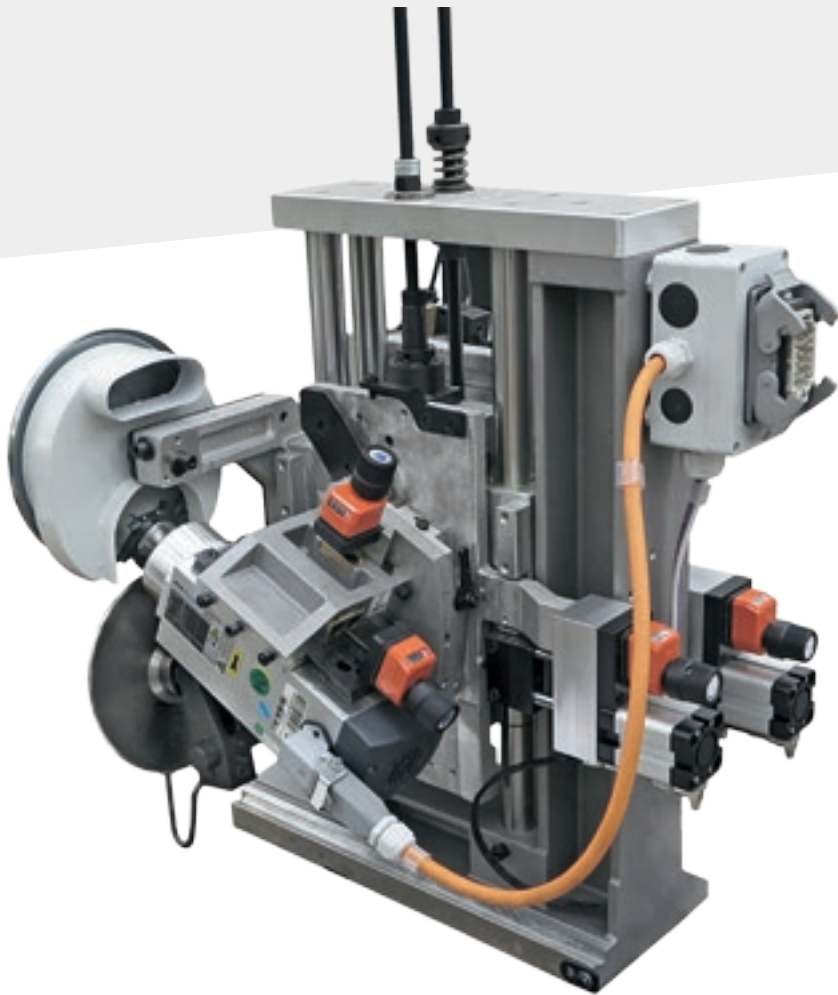
Stream A offers personalised solutions that enable a reduction of set-up and machining times.



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.



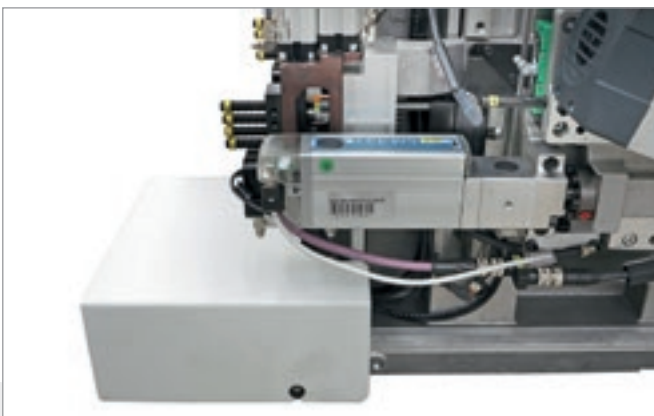
The **Fine trimmer**, for fine trimming of the top and bottom edges. Complete with 2 high-frequency motors and vertical/horizontal copiers with rotating disc.



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.

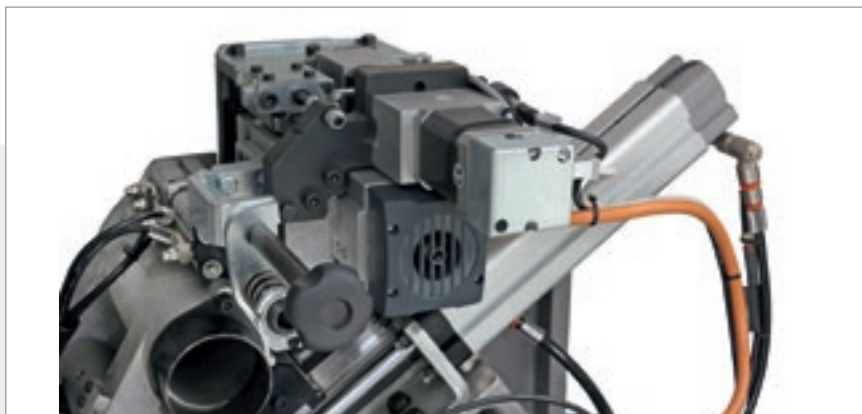


AR34NC

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.





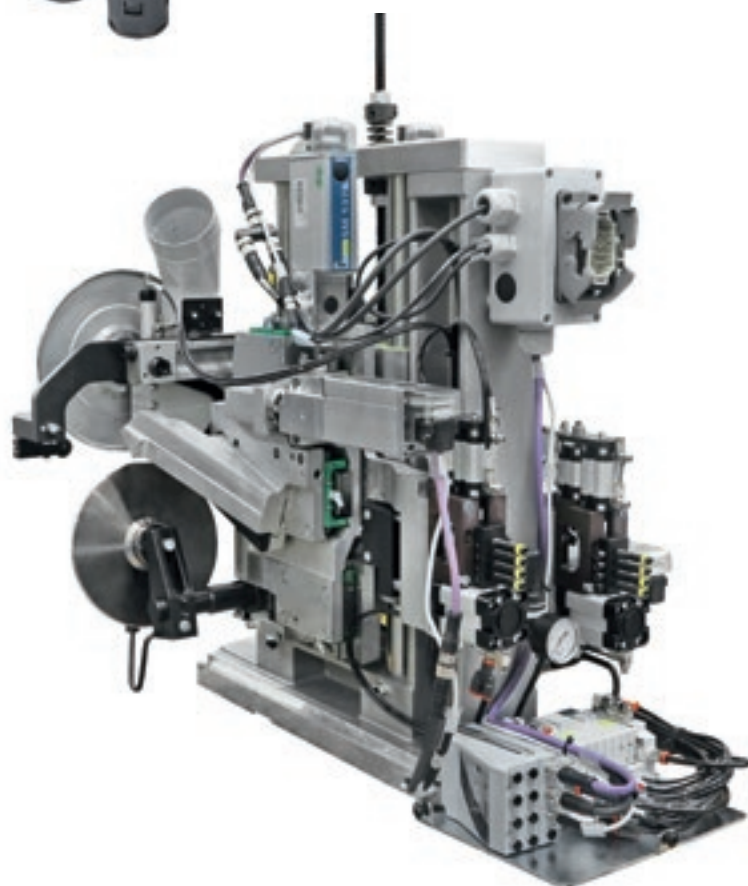
The **Edge scraper** eliminates the imperfections resulting from previous machining operations on the top and bottom of the edge.



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 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.).



UNIQUE TECHNOLOGY ON THE MARKET

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



New SMART TOUCH 21 control

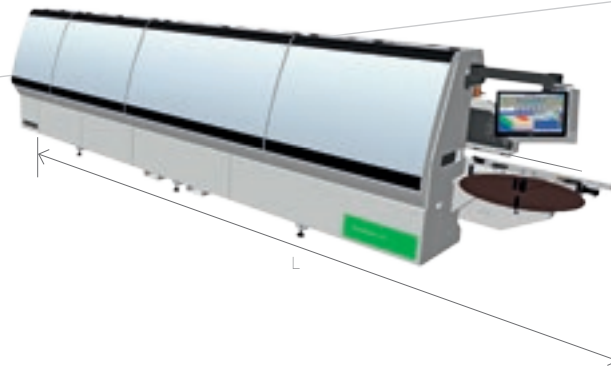
SINTRA HD software with modern, intuitive graphics for simplified edgework machine management. Maximum usability thanks to the 21.5" Full HD screen, which guarantees optimal visibility.



- Easy programme management and usability.
- Rapid transition from one machining operation to the next.
- Intelligent language management.

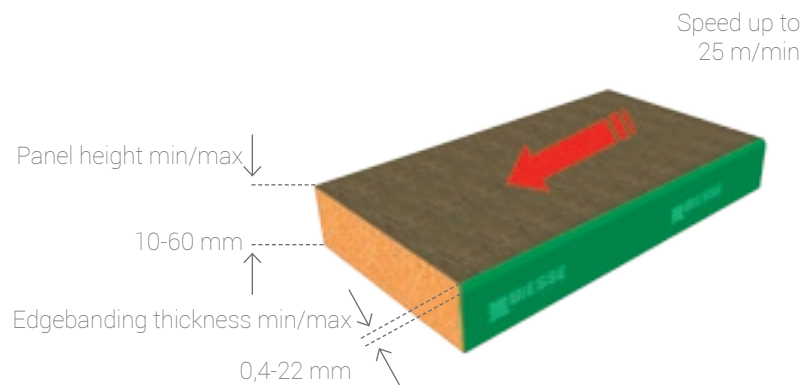


TECHNICAL SPECIFICATIONS

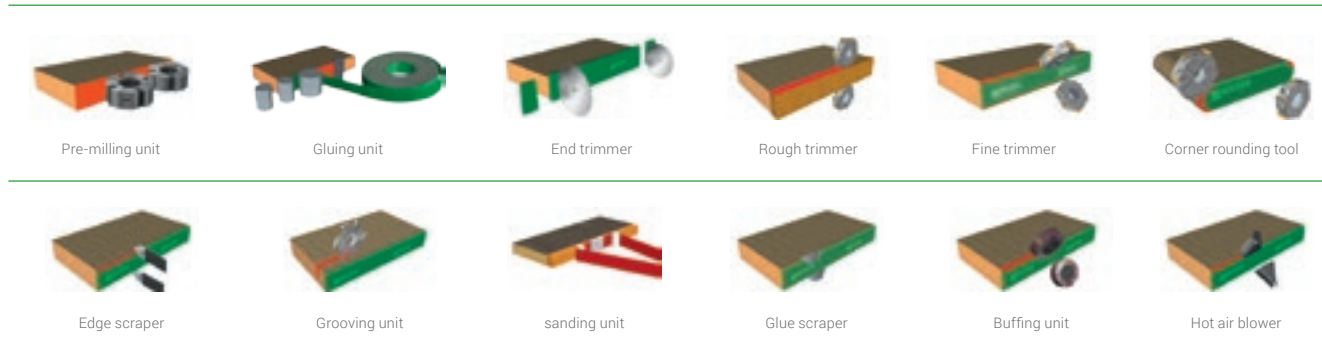


STREAM A

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



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.

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 edgbanding 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 edgbanding 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 edgbands with invisible glue line. AirForce emits compressed air at a very high tempera-

ture from a special nozzle directly onto the reactive layer of the laser edgband, thus activating the layer and welding the edgband to the substrate. Installing the new Stream A together with Air-ForceSystem will result in a product of an exceptional quality, apart from contributing to increasing manufacturing speed".

Skip Labella
President of Closet America



THE BIESSE RANGE FOR EDGEBANDING AND SQUARE-EDGING

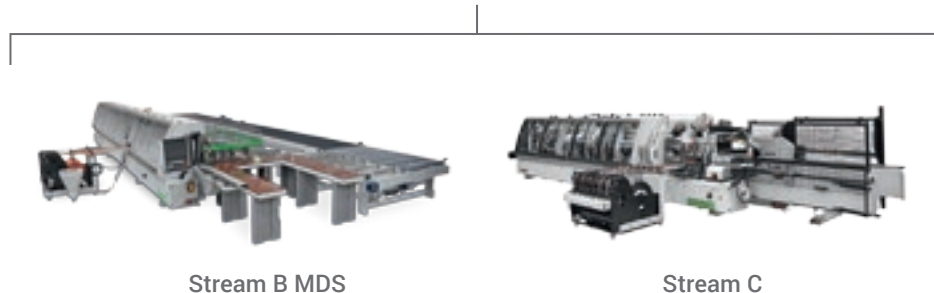
EDGE BANDING



EDGE BANDING



SQUARING-EDGE BANDING

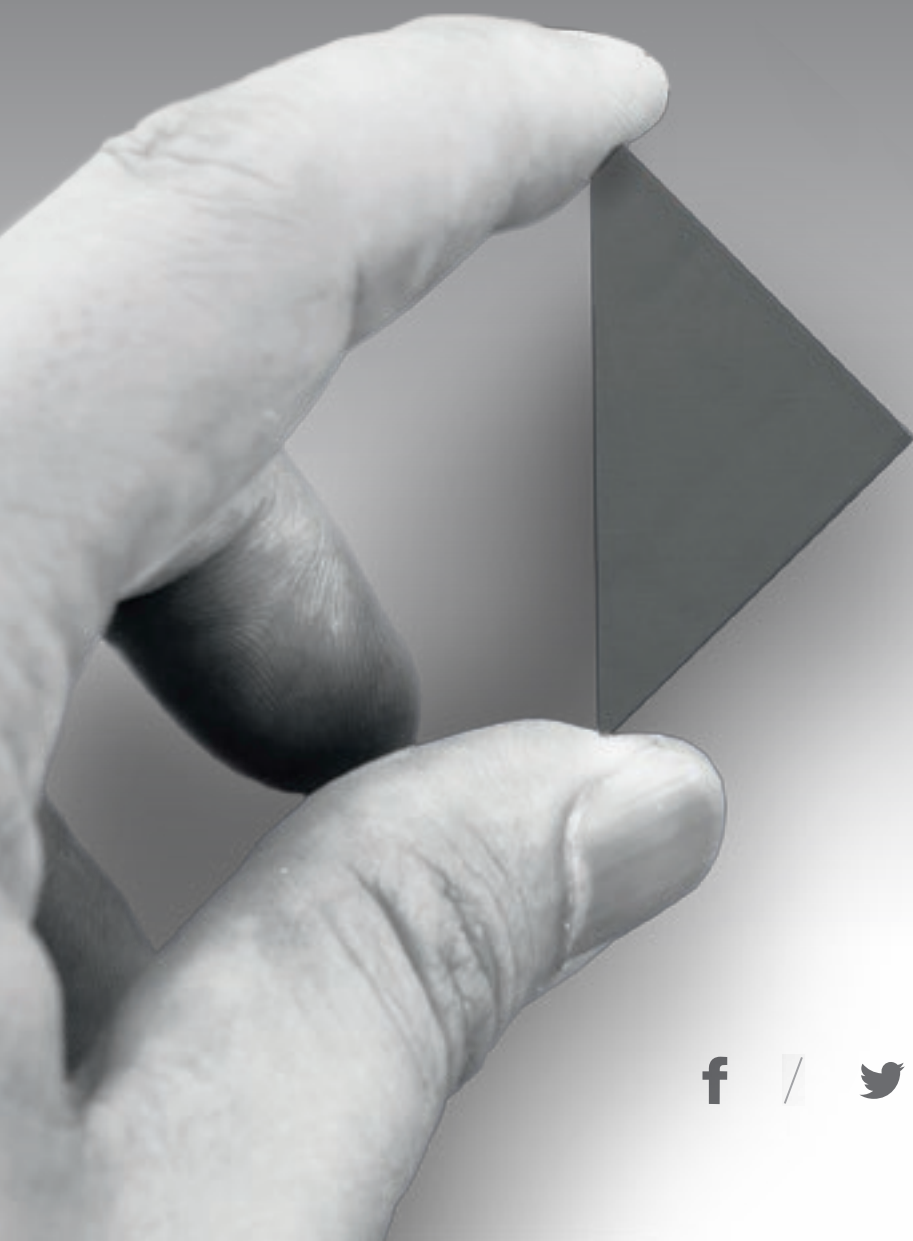


The technical specifications and drawings are non-binding. Some photos may show machines equipped with optional features. Biesse Spa reserves the right to carry out modifications without prior notice.

A-weighted sound pressure level (LpA) during machining for operator workstation on vane-pump machine LpA=86dB(A) Lwa=106dB(A) A-weighted sound-pressure level (LpA) for operator workstation and sound power level (LwA) during machining on cam-pump machine LpA=86dB(A) Lwa=106dB(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.

LIVE THE EXPERIENCE



BIESSEGROUP.COM



E



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**

