

JADE 300

AUTOMATIC SINGLE-SIDED
EDGE BANDING MACHINES



 **BIESSE**

EXCELLENT PERFORMANCE AND MAXIMUM PRECISION



THE MARKET EXPECTS

a change in manufacturing processes that enables companies **to accept the largest possible number of orders**. This is coupled with the need to maintain high quality standards and customisation of products with quick and defined delivery times, as well as responding to the needs of highly creative designers.

BIESSE RESPONDS

with **technological solutions** that enhance and support technical expertise as well as process and material knowledge. **Jade 300** is the range of automatic single-sided edgebanding machines designed for artisan craftsmen who want to improve and automate production, or for industry sectors manufacturing made-to-measure products.



JADE 300

- ✔ BUILT ACCORDING TO THE SPECIFIC PRODUCTION REQUIREMENTS
- ✔ SOLID, STURDY CONSTRUCTION FOR MAXIMUM PRECISION
- ✔ EXCELLENT PERFORMANCE
- ✔ CARE AND ATTENTION TO DETAIL



WATCH THE VIDEO

BUILT ACCORDING TO THE SPECIFIC MACHINING NEEDS

Biesse's Jade edgebanders are compact, robust machines built according to specific machining requirements. This makes it an ideal solution for small and medium sized companies.

JADE 340 Available configuration



Pre-milling Unit



Gluing Unit



End Trimming Unit



Fine Trimming Unit



Corner Rounding Unit



Edge Scraper Unit



Glue Scraper



Buffing Unit

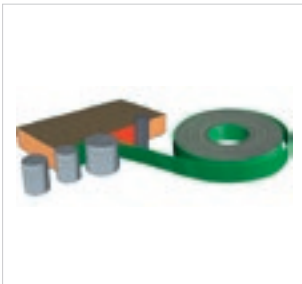


Hot Air Blower (optional)



The new cabin design makes the machine perfectly ergonomic, for increased ease and comfort for the operator both during machining and maintenance operations, with ample room to manoeuvre.

JADE 325 Available configuration



Gluing Unit



End Trimming Unit



Fine Trimming Unit



Edge Scraper Unit



Glue Scraper

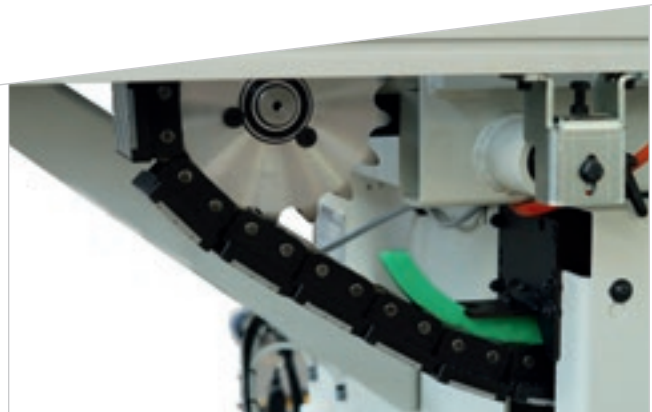


Buffing Unit



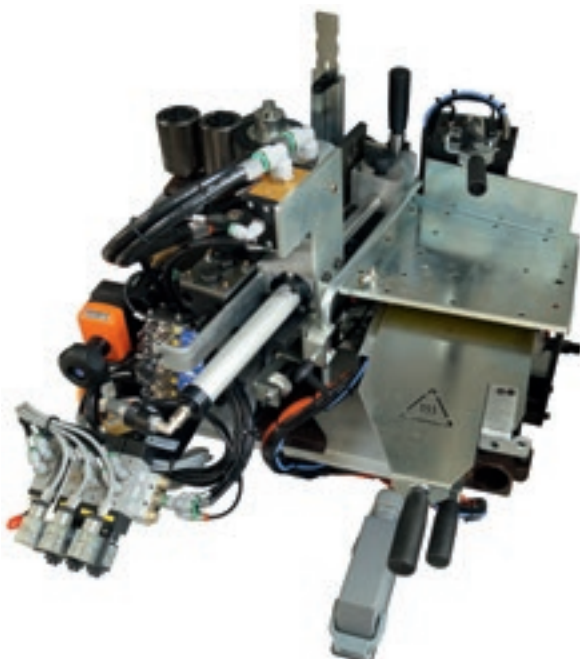
MAXIMUM PRECISION

The Jade 300 is distinguished by its solid, robust build, for accurate and reliable machining even at high speeds of up to 18 m/min.



The Pre-milling Unit is equipped with two automatic-intervention motors, to ensure a perfect finish.

The Autoset device for the Pre-milling unit ensures the automatic centering of the tool in relation to the panel, thereby improving quality whilst reducing set-up times.



The Gluing Unit, with automatic application of edging in rolls from 0,4 to 3 mm, and strips up to 12 mm, also features automatic strip feeding.

Operators can control the temperature differential between the glue pot and glue application roller, so optimum gluing results can be achieved easily. An automatic device prevents the glue from overheating when the machine is not in use. Maintenance is quick and easy thanks to an internal Teflon layer.

The working units are fixed onto the base and provide greater stability and solidity while machining, and vibrations are discharged into the ground, thus avoiding any imperfections in the finished panel.



The Fine trimming unit trims the top and bottom of the edges with 2 high-frequency motors and vertical/horizontal rotating disc copiers.

Reliability and cutting precision thanks to the Edge-Trimming Unit, eliminating excess at each end of the panel. The automatic blade tilt system (as standard) allows operators to manage and control the entire unit.



ROTEX ELECTRO SPIND LES

EXCLUSIVE TECHNOLOGY

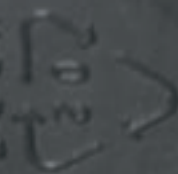
Biesse directly designs and manufactures all high-tech components for its machinery.

Standard and exclusive on all Biesse edgebanding machines is the Rotax range of electrospindles, which is the same technology used on top range edgebanders and CNC machining centres, guaranteeing optimum power, compact size as well as extremely high quality finishing standards. Designed and manufactured by HSD the world leader in this technology, Rotax electrospindles represent the ultimate in engineering excellence.

 BIESSE

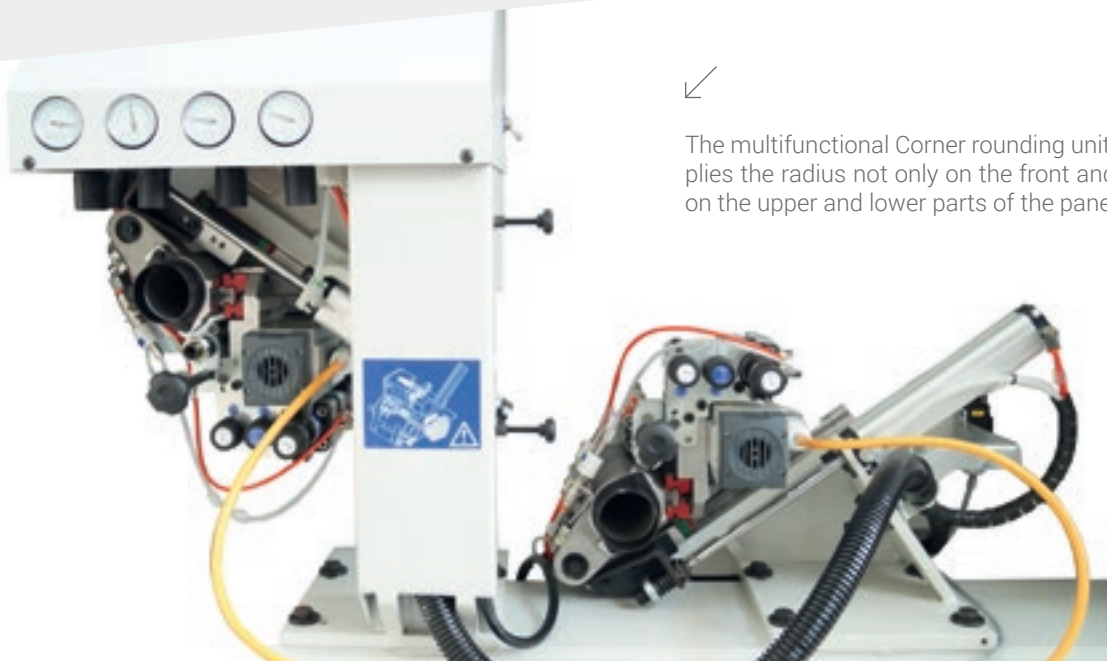
FNZ8100D120

HDPE



EXCELLENT PERFORMANCE

Superb product quality and reduced machining times, thanks to technological solutions created for the specific day-to-day work.

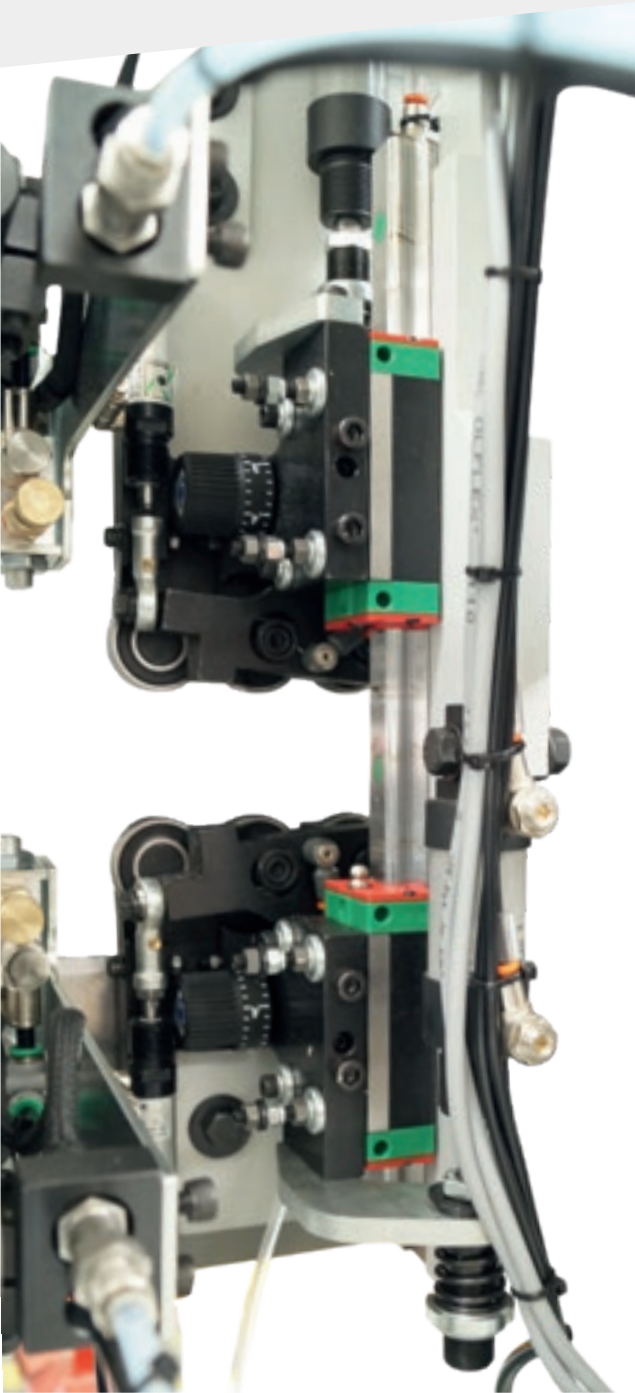


The multifunctional Corner rounding unit with two motors applies the radius not only on the front and rear edges but also on the upper and lower parts of the panel.



The Edge Scraper eliminates the chatter marks and provides the perfect finish on the top and bottom of the edges.

PERFECT FINISHING



Technological solutions designed for a perfect finish, for all machining operations.



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



Buffing Unit for cleaning and polishing the edge and panel.



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

EASY-TO-USE TECHNOLOGY

Instant, easy programming for all users, thanks to the intuitive control panel.



View and manage glue temperatures on the roll and in the glue pot.

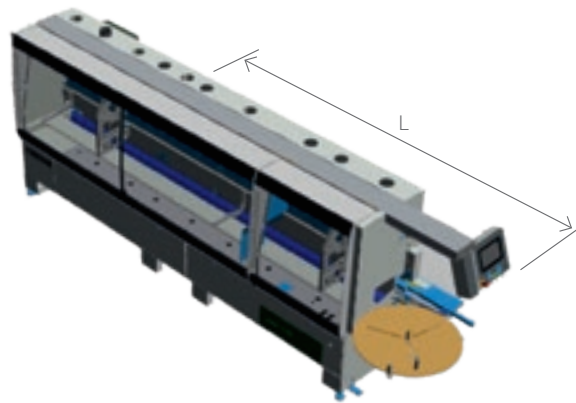


Care and attention to detail

The dedicated suction system on each working unit ensures optimum cleaning during machining operations, and reduces the need for additional maintenance.

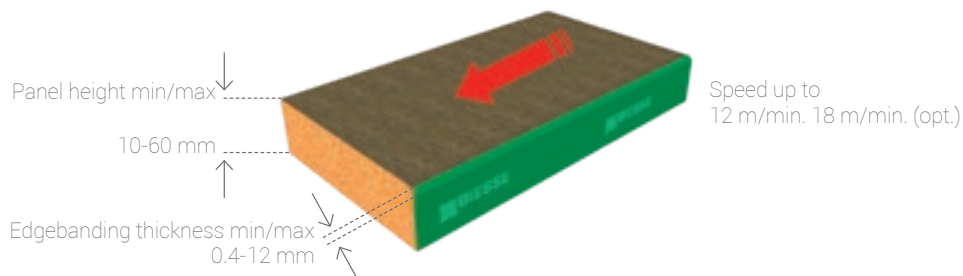


TECHNICAL SPECIFICATIONS



L

Jade 325	3680 mm - 144.88 inch	
Jade 340	5160 mm- 203.14 inch	
Panel height	10-60 mm	0.39-2.36 inch
Height of material to be edgebanded	14-64 mm	0.55-2.51 inch
Thickness of material to edgebanded in rolls/strips	0.4-12 mm	0.01-0.47 inch
Panel Overhang	25 mm	0.98 inch
Minimum panel length	140 mm	5.51 inch
Minimum panel width (with 140 mm length)	85 mm	3.34 inch
Minimum panel width (with 250 mm length)	50 mm	1.96 inch
Advance speed	up to 12 m/min. 18 m/min. (opt.)	up tp 39 ft/min. 59 ft/min. (opt.)
Dust extraction system for each working unit 1 nozzle dia.	100 mm	3.93 inch
Pneumatic connection	7 Bar	
Glue pot capacity (approximate)	2 kg	
Glue pot warm-up time at half load (approximate)	10 minutes	



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.

Incoming sound pressure level at operator station 87.1 dB (A). Outgoing sound pressure level at operator station 84.9 dB (A). Measurement uncertainty K1= background noise correction factor less than 4 dB (A), K3= background ambient correction factor less than 4 dB (A).

The measurement was carried out in compliance with ISO DIS 3746-11202-11204/ISO 7960/prEN 848. Instrumentation: Brüel & Kjaer 2230 noise meter, n.1236417, Class 1 IEC 651 standard. The noise values indicated are emission levels and do not necessarily represent safe operating levels. Although there is a link between emission levels and exposure levels, this cannot be reliably used to establish whether further precautions are necessary or not. The factors which determine the real exposure level to which the workforce is subjected include the duration of exposure, the characteristics of the working environment and other sources of emission, such as the number of machines and other adjacent machining operations. This information allows the machine user to better evaluate the risks and dangers.

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 Amer-

ica 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 temperature 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

CLOSETAMERICA.COM

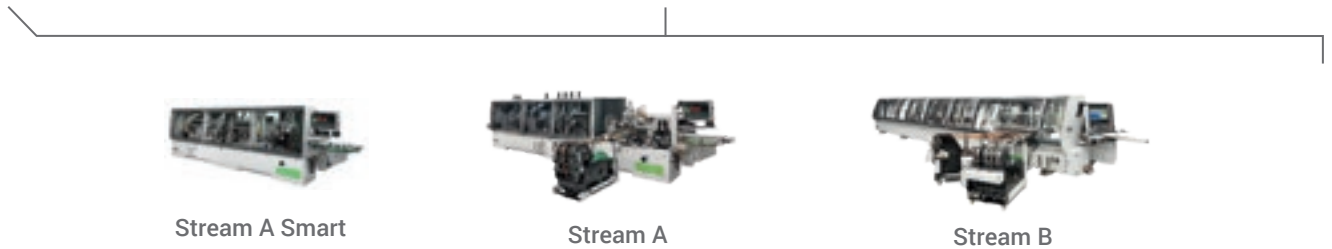


THE BIESSE RANGE FOR LINEAR EDGE BANDING

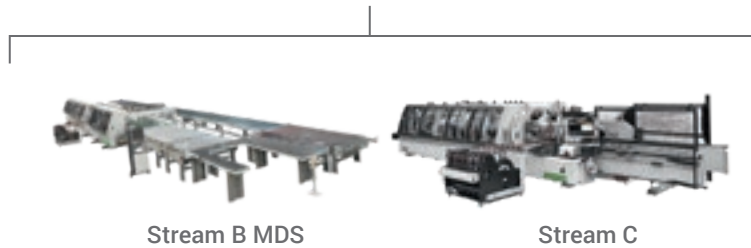
EDGE BANDING



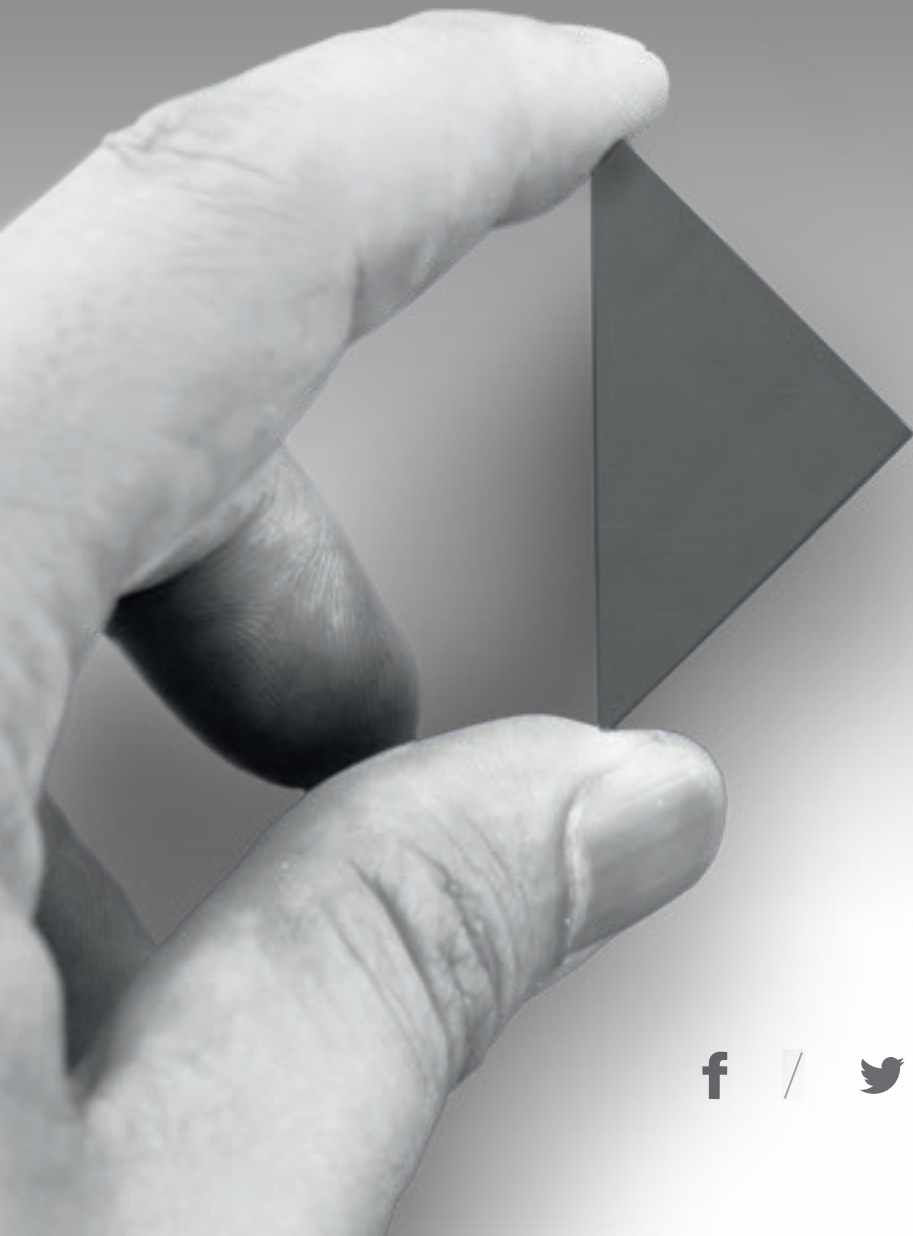
EDGE BANDING



SQUARING-EDGE BANDING



LIVE THE EXPERIENC



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**

