

JADE 200

**AUTOMATIC SINGLE-SIDED
EDGE-BANDING MACHINES**



LOW INVESTMENT, LONG TERM RELIABILITY

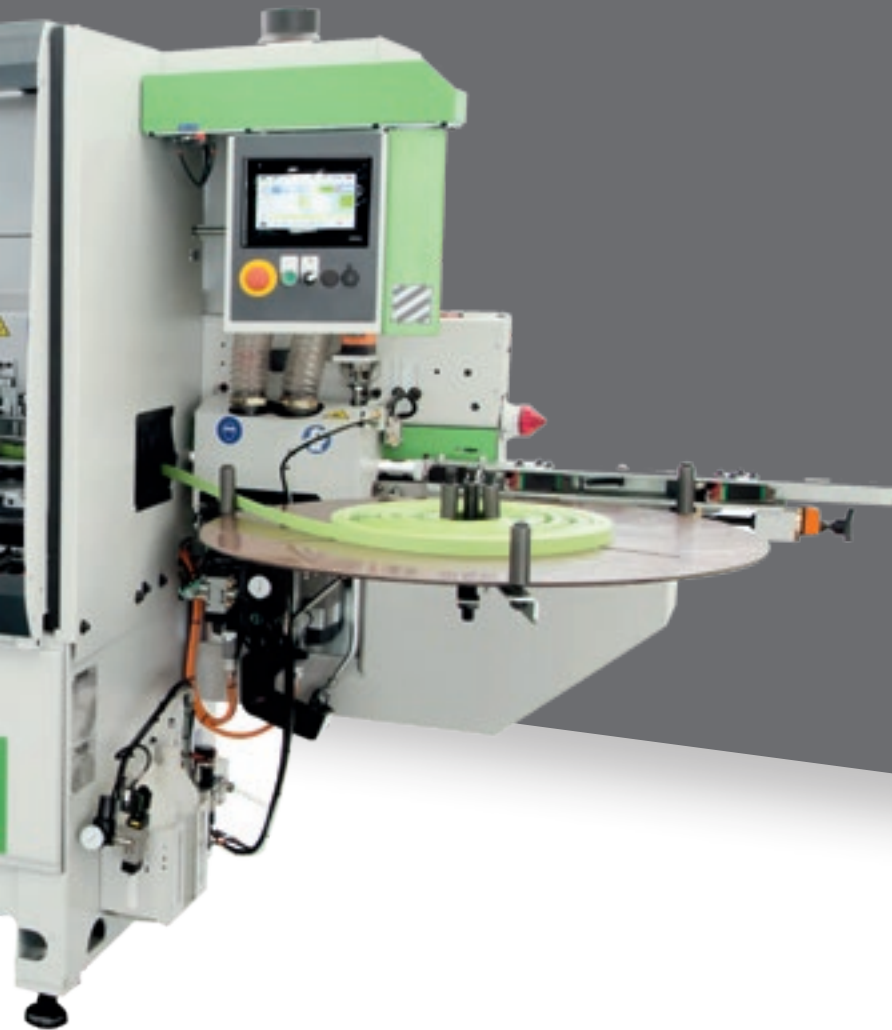


THE MARKET DEMANDS

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 whilst offering product customisation with quick and defined delivery times, as well as responding to the needs of highly creative designers.

BIESSE RESPONDS

with **technological solutions** that highlight and support technical expertise as well as process and material knowledge. **Jade 200** is a range of automatic single-sided edgebanding machines purposely created for craftsmen and companies looking for user-friendly, customised production and flexible solutions in a limited space.



JADE 200

- ✓ BUILT ACCORDING TO THE SPECIFIC PRODUCTION REQUIREMENTS
- ✓ PERFECT FINISHES WITH EVERY TYPE OF PROCESS
- ✓ TOP QUALITY FINISHED PRODUCT
- ✓ GROUND-BREAKING TECHNOLOGY, FOR TOP PERFORMANCE.

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 240 Available configuration



Pre-milling Unit



Gluing Unit



End Trimming Unit



Fine Trimming Unit



Corner Rounding Unit



Edge Scraper Unit



Glue Scraper



Buffing Unit



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.

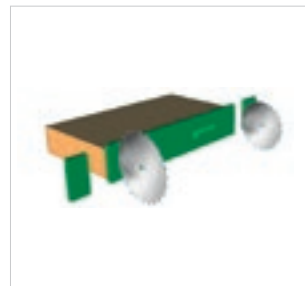
JADE 225 Available configuration



Pre-milling Unit



Gluing Unit



End Trimming Unit



Fine Trimming Unit



Edge Scraper Unit



Glue Scraper



Buffing Unit



PRECISION AND ACCURACY

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



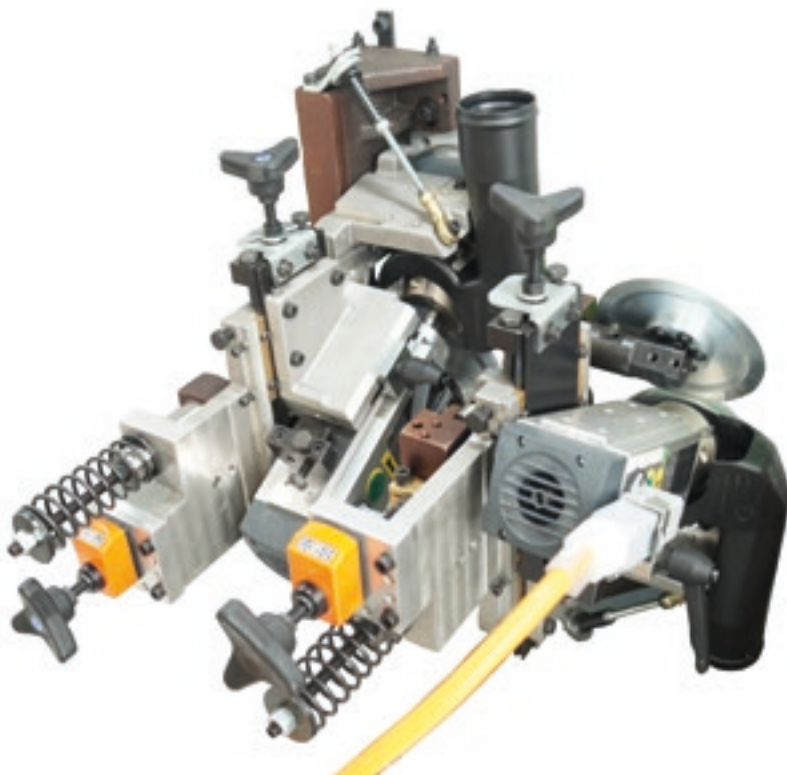
Pre-milling unit is equipped with 2 timed intervention motors to guarantee a perfect finish. The auto-set device ensures optimum positioning of the milling tool according to the thickness of the panel being machined.

Optimum gluing thanks to differential temperature control between the glue pot and the glue spreading roller. An automatic stand-by device avoids glue over heating during temporary non-use of the machine. Quick, easy maintenance thanks to the teflon inner coating. Automatic cutting device for 3 mm edges.





End Trimming unit removes excess edging tape at the front and rear of the panel with the 2 high frequency motors ensuring reliability and cutting accuracy. The end trimming unit can be tilted (0-15 degrees) automatically from the control panel.



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

ROTEX ELECTRO SPIN DLES

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.



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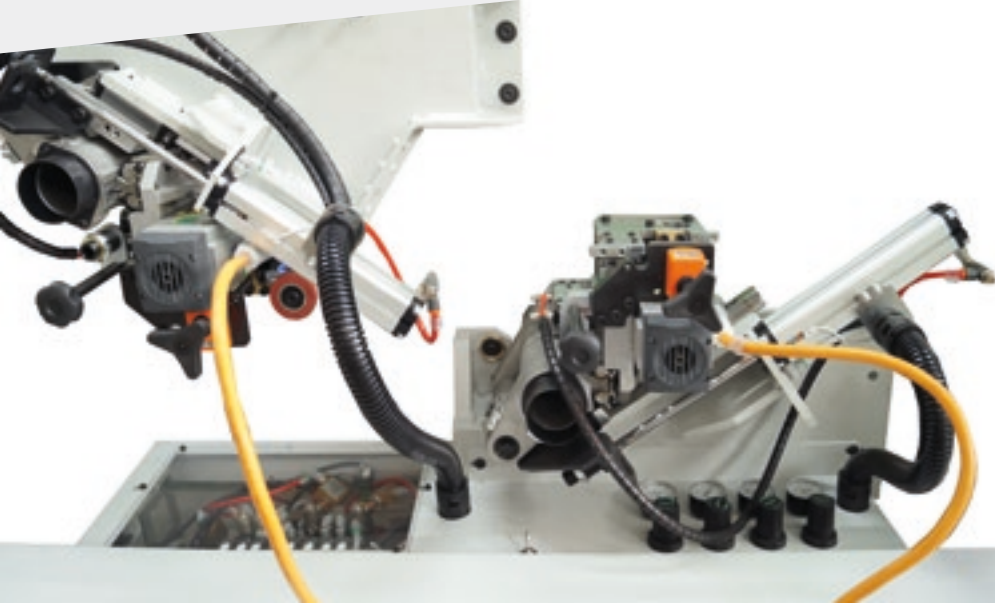
BIESSE

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HDPE

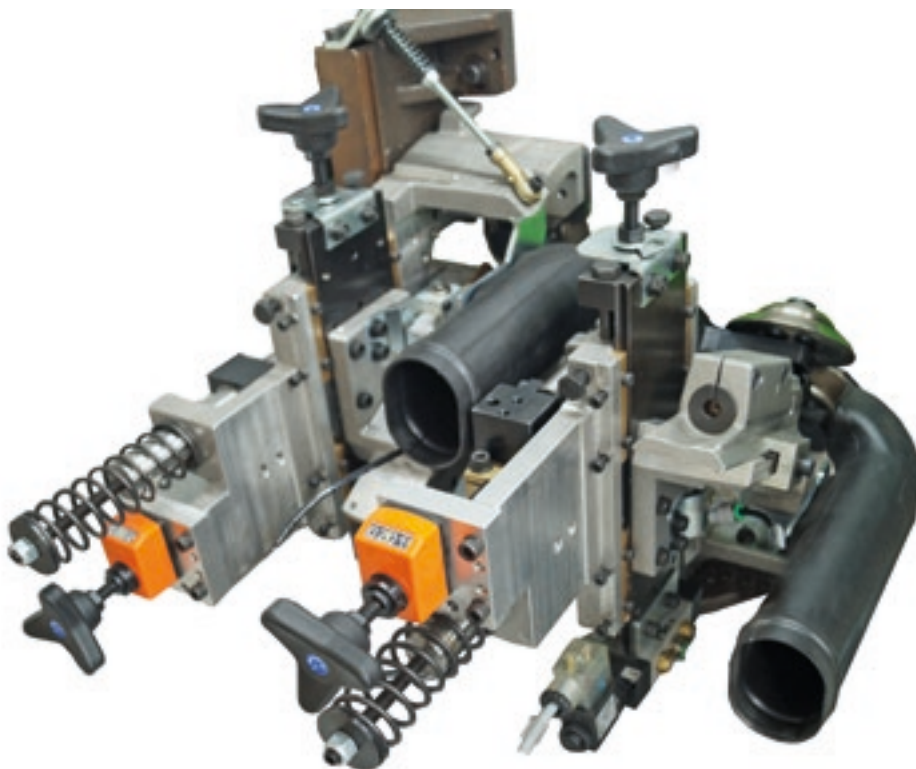
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TOP QUALITY EDGEBANDING



The 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 imperfections resulting from previous machining operations on the top and bottom of the edge.

PERFECT FINISHING



Technological solutions for the perfect finish on every type of machining operation.



The Glue Scraper removes excess glue from the top and underside of the panel. This 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.



TECHNOLOGY EASY TO USE

Simple, user friendly programming thanks to the touchscreen control panel at the service of the user.

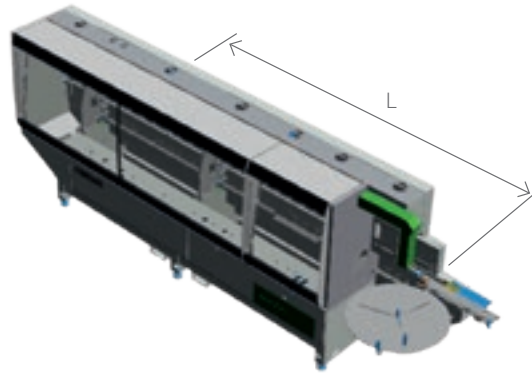


Visualisation and management of the glue temperature of the roller and the glue pot.



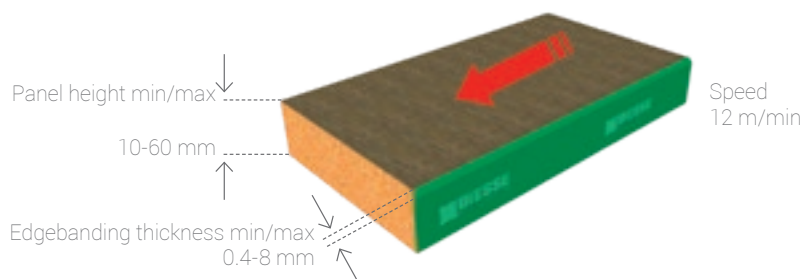
Easy program management thanks to the intuitive interface, available in numerous languages.

TECHNICAL SPECIFICATIONS



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|--|---------------------|---------------------|
| Jade 225 | 4168 mm - 1641 inch | |
| Jade 240 | 5213 mm - 2052 inch | |
| Panel height | 10-60 mm | 0.39-2.36 inch |
| Height of edge banding material | 14-64 mm | 0.55-2.51 inch |
| Thickness of edge banding material in rolls / strips | 0.4-3/8 mm | 0.01-0.11/0.31 inch |
| Panel protrusion from track | 25 mm | 0.98 inch |
| Min panel length | 150 mm | 5.9 inch |
| Min panel width (with length mm 150) | 85 mm | 3.34 inch |
| Min panel width (with length mm 250) | 50 mm | 1.96 inch |
| Track feed speed | 12 m/min | 39.37 ft/min |
| Dust extraction system for each operating unit 1 hood dia. | 100 mm | 3.93 inch |
| Pneumatic connection | 7 Bar | |
| Glue pot capacity (approx.) | 2 Kg | |
| Glue pot heating time at ½ load (approx.) | 10 minutes | |
| With pre-milling unit | 8 kW | |
| With pre-milling & corner rounding unit | 10 kW | |



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}) 87,3 dB (A). Weighted noise level A (L_{wA}) 102,5 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. 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 operating personnel are exposed include the length of exposure, the characteristics of the work environment, other emission sources (e.g. the number of machines and machining operations nearby). At any rate, the above information allows the operator to better evaluate dangers and risks.

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NEED

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WITH RESPONSE TIME
UNDER 1 HOUR

+100

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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

MADE WITH BIESSE

BIESSE TECHNOLOGY ACCOMPANIES THE GROWTH OF STECHERT.

"On these chairs sits the world" is the motto of the Stechert Group that can effectively be taken literally. What began 60 years ago as a small manufacturing company for pram mouldings, furniture doors and door locks is today one of the largest international suppliers of contract and office chairs, as well as tubular steel furniture. Moreover, since 2011 the company has a partnership with WRK GmbH, an international specialist in podiums, conference room and grandstand seating, associated with Stechert via the joint commercial company STW. For Stechert management, however, the excellent results obtained are no excuse for resting on their laurels.

On the contrary, the company is investing heavily in the Trautskirchen site to make its production even more efficient and profitable. In the search for a new machinery partner, the company's management chose the Italian manufacturer Biesse. "For the project we chose machines that already had certain options and were predisposed for automation", said Roland Palm, Biesse Area Manager. An efficient production cycle was created in which workers are able to perform

at their best after only a short training period.

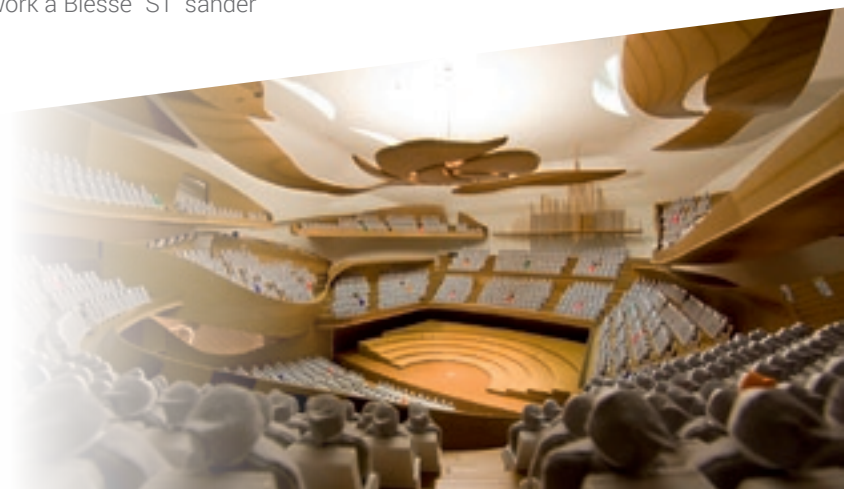
At the start of the production line is the panel saw "WNT 710" with one cutting line. "Because", explained skilled cabinet maker Martin Rauscher, "we want to be able to work panels of up to 5.90 metres in order to reduce waste as much as possible." Normal rectangular panels for tables or wall panels are taken directly to the "Stream" edgebander with "Air-ForceSystem" technology. The Biesse edgebander has a group that activates the laminated edging material no longer via a laser beam but using hot air to obtain the so-called "zero gap".

"The quality is just as good as the laser system, if not even better: with a connection power of 7.5 kW, the cost per square metre is much lower", underlined the Biesse Area Manager.

"We want to be ready for when we mould the frame ourselves and we must therefore calibrate the panels" said Martin Rauscher, "The same is true of course for solid wood and multiplex panels, which require grinding before being painted in an external company. For both types of work a Biesse "S1" sander

is used. In order to meet the needs of the future, in the Trautskirchen plant there are also two Biesse numerically controlled machining centres: a "Rover C 965 Edge" and a "Rover A 1332 R", which are perfectly complementary. The Stechert Group also intends to strengthen sales of innovative solutions for interior fittings, with complete systems for walls, ceilings, floors and mezzanines. For panel sectioning, the Group has purchased a "Sektor 470". For other geometry, groove and spring machining as well as boring and surface milling, there are two Biesse machining centres, an "Arrow" for nesting applications, a "Rover B 440" and more recently a 5-axis machine, the "Rover C 940 R" machining centre in order to be able to produce, in particular, wall and ceiling panels machined in 3 dimensions.

Source: HK 2/2014



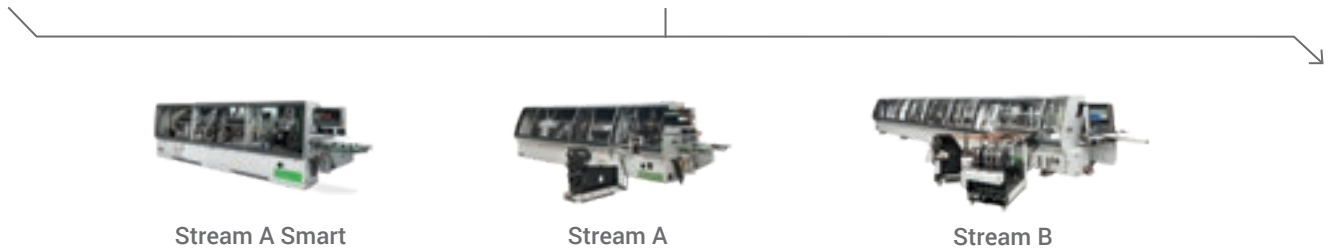
THE BIESSE RANGE FOR LINEAR EDGEBOARDING

EDGEBOARDING



EDGEBOARDING

SQUARING-EDGEBOARDING



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manufacturing
to make the process
of any material



ur
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potential
I shine.

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.

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