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.
BESSE’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.
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.
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.
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.


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.

### TECHNICAL SPECIFICATIONS

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

**Jade 225**
- L = 4168 mm - 1641 inch

**Jade 240**
- L = 5213 mm - 2052 inch
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.
“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” edger with “AirForceSystem” technology. The Biesse edger 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 “ST” 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
EDGEBANDING

EDGEBANDING

Akron 1100  |  Jade 200  |  Jade 300  |  Akron 1300  |  Akron 1400

EDGEBANDING  |  SQUARING-EDGEBANDING

Stream A Smart  |  Stream A  |  Stream B

Stream B MDS  |  Stream C
LIVE THE EXPERIENCE
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.