

Active Series

Solutions for sizing, Edge Banding, Multi Boring



 **BIESSE**
ALL IN ONE

Active 400

Sliding table Panel Saw

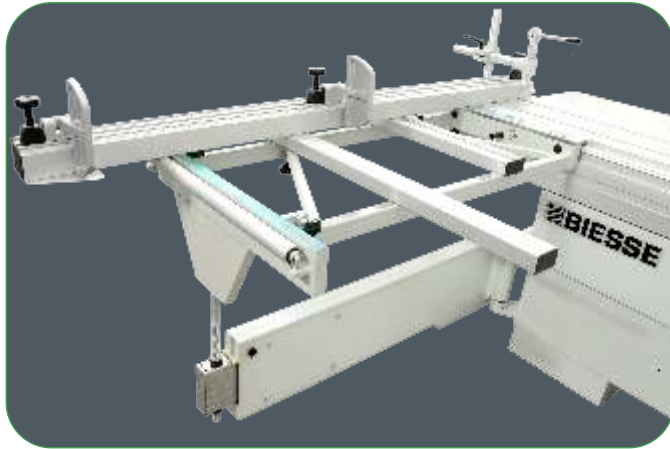


The Active 400 is a classical panel saw from BIESSE. Its wide sliding table ensures stability and precise cuts and repeatability. The rigid structure lets you handle panels with ease and simple controls make this machine user friendly.

Its rip fence and cross cut fence are easily adjustable. The possibility of using the machine with a larger diameter saw blade makes it ideal for sizing thicker solid wood panels too.

Features:

- Scoring unit with separate motor
- Aluminium carriage sliding on high precision ground bars
- Anodized carriage and profiles
- Increased extensible fence on cross-cut carriage
- Rip fence with micrometric adjustment
- Saw blade safety guard
- Motorized lifting movement of the main blade
- Tilting movement of the main blade through handwheel



The sturdy cross cut fence ensures precise cuts. The stops slide easily beside the scale that is tilted for better viewing. This fence can be repositioned for making mitre cuts also.

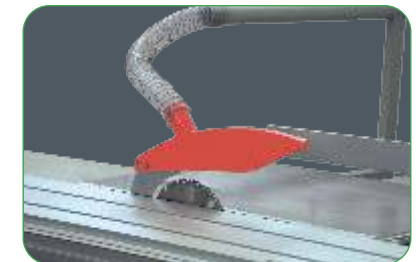


Rip fence mounted on hard chrome plated bar ensuring smooth and easy setting. Micrometric adjustment for fine setting.



Hold down clamp for additional support.

| | |
|---|----------------------|
| Max.Cutting Height With Dia 400 mm saw blade (0/45 degrees) | 125/85mm |
| Max.Cutting Length with Cross Cut Fence | 3200 mm |
| Max.Cutting Width with Rip Cut Fence | 1250 mm |
| Sliding table size | 385x3200 mm |
| Blade inclination angle | 0-45° |
| Main blade dia. (Max) | 400 mm |
| Main blade shaft dia. | 30 mm |
| 3 rotation speeds of main blade | 3200-4000-6000 r.p.m |
| Scoring blade dia. | 120 mm |
| Scoring blade shaft dia. | 20 mm |
| Rotation speed of scoring blade | 8000 r.p.m |
| Main motor power | 5.5 kW |
| Scoring unit motor power | 0.75 kW |
| Saw blade lifting motor power | 0.18kW |
| Net weight | 820 kg |
| Overall dimensions | 3200x3350x1200 mm |



The control panel is easily accessible with separate switch for scoring saw blade. The tilting of the saw blades is manually carried out by means of a hand wheel. The rise and fall of the main saw blade is motorised.

Dust extraction hood with extraction hose. Dust hood mounted on riving knife.

Active Edge

Semi automatic Edge Banding Machine



The Active Edge is a semi-automatic edge bander for edge banding straight and shaped panels. It is compact, very simple to operate and maintain.

Standard Features:

- Edgefeeding motor
- Workpiece feeding cylinder
- Guillotine Knife
- Digital counter for strip cut
- Foot pedal



external glue roller convenient for the operator to adjust and maintain



electronic temperature controller with digital thermometer

| | |
|---|---------------------|
| Min. - Max. processing panel thickness | 8 to 60 mm |
| Min. work piece length | 300 mm |
| Adjustable feeding speed | 7 / 12 / 17 mtr/min |
| Min. bending radius | 20 mm |
| Max. thickness of coil banding material | 3 mm |
| Glue pot capacity | 3 kg |
| Driving motor power | 0.37 kw / 0.5 hp |
| Installed power | 2.7 kw / 3.7 hp |
| Machine weight | 220 kg |

Active Drill 21

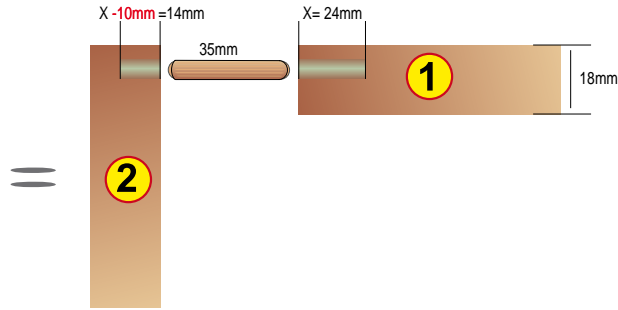
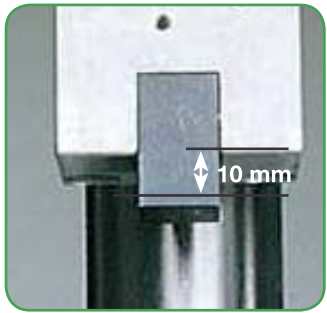
Semi automatic Single head Boring Machine



The Active Drill 21 is a semi- automatic single head Boring Machine for carrying out small to medium scale batch production.

Standard Features:

- Pneumatic cylinder for 0-90 degree rotation of the unit, possibility of boring also at 45 degree
- Adjustment of the boring depth by revolver device to 6 positions
- Automatic differential of boring depth from vertical to horizontal of 10mm
- Front reference rack for horizontal boring
- 2 Pneumatic support clamps
- Push buttons for start, stop and head inclination



Pneumatic support clamps



Device to automatically change the vertical horizontal depth (-10mm) to avoid chipping of the panel



Revolver with 6 positions for boring depth setting



3 meter Aluminium fence with 4 stops

| | |
|--|-------------------|
| Max dimensions of a workable panel (in mm) | 800 x 3000 |
| Max center distance of boring (in mm) | 640 |
| Min panel width (in mm) | 50 |
| Min panel length (in mm) | 50 |
| Max boring depth (in mm) | 70 |
| Max boring diameter (in mm) | 35 |
| Power (in H.P.) | 2.5 |
| Working air pressure (in bar) | 6 |
| Weight (in kg) | 280 |
| Machine dimension LxBxH (in mm) | 1200 x 800 x 1300 |

Active Drill 65

Semi automatic 3 head Boring Machine



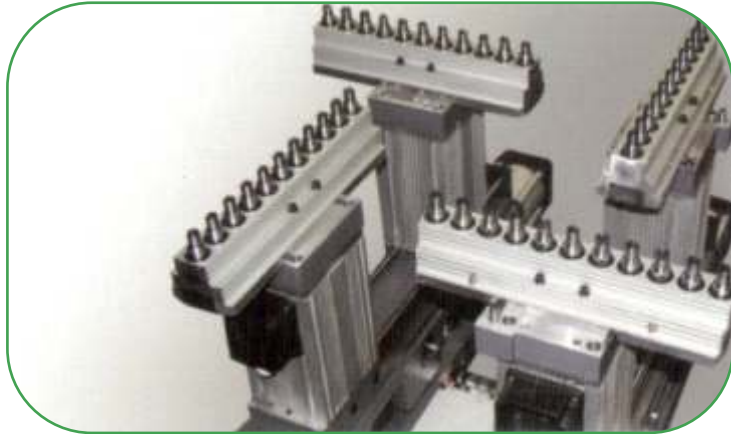
The Active Drill 65 is a semi- automatic 3 head Boring Machine for carrying out medium scale batch production.

The settings can be changed rapidly guaranteeing short cycle time and high productivity.

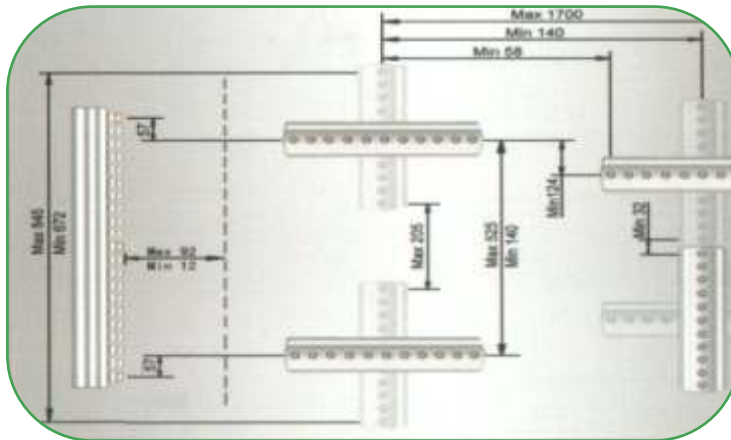
Standard Features:

- 1 Group of Horizontal Drill Head
- 2 Groups of Vertical Drill Head
- Vertical Workpiece Pressing Cylinders
- Horizontal Pressing Cylinders
- Positioning Stops
- Foot pedal
- Hydraulic Brake on Vertical Drill Heads

Vertical Drill Head Configuration



Example of Drill Head Configurations



| | |
|--|----------------|
| Maximum workpiece thickness (mm) | 70 |
| Maximum stroke of pneu. cylinder (mm) | 80 |
| Horizontal drill head (nos.) | 21x1 |
| Vertical drill head (nos.) | (11+11)x2 |
| Spindle speed (r.p.m) | 2800 |
| Power of the horizontal drill head motor (kw) | 1.5 |
| Power of the vertical drill head motor (kw) | 5.2 |
| Center dist between spindles (mm) | 32 |
| Max. drilling width - vertical drill in parallel position (mm) | 1050(1700 opt) |
| Max dist between drill spindles on same vertical drill head (mm) (drill chucks in linear configuration) | 845 |
| Max dist between drill spindles on same vertical drill head (mm) (drill chucks in parallel configuration) | 525 |
| Max dist between spindles of adjacent vertical drill head (mm) (vertical drill chucks in parallel) | 140 |



Control Panel



Horizontal Drill Head



Linear guideways for Vertical Drill Head positioning



Positioning Stops

Service

Real time solutions



Thanks to a global network and a highly specialized team it offers a full range of after-sales services:

- Spare parts
- Technical support
- Tele-support
- Installation
- Maintenance
- Training
- Repair



Biesse Group's Service promotes, cultivates and develops closer and more constructive relationships with clients to get to know their requirements better, to create more value and to help improve the products and services it provides.

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The Biesse Group sells its products through a widespread network of dealers and subsidiaries, located in highly industrialized markets. It is through this network that the Biesse Group is able to grant worldwide professional advice and efficient after-sales service. At present the Biesse Group employs a worldwide staff of more than 2000 people and has production facilities in Italy with a total surface area of over 105.000 square metres.

Starting right from its foundation in 1969, the Biesse Group has stood out in world markets for its rapidity of growth and strong will to become a global partner for those companies belonging to its lines of business. The Biesse Group is made up of three divisions, each of which includes a productive unit concentrating on single product lines. It also supplies engineering solutions and “turn-key” plants to customers with complex demands relating to production, technology and logistics.

The Wood Division designs and produces woodworking machinery for companies processing furniture, doors and windows, and offers a wide range of solutions for the entire industrial production cycle of wood and its by-products.

The Glass and Stone Division produces machines for companies processing glass, marble and natural stone, and, more generally speaking, for different industries such as interior decoration, building and the automobile industry.

The Mechatronic Division designs and produces highly technological components both for the Group and for the world market.





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