



**Machinery for the Woodworking, Stone,  
Glass, Plastic, and Metalworking Industries**



**Date :** 05/22/2025 - 12:25 AM \*  
**EXF # :** EO-012492  
**Category :** EDGEBANDERS-OVER \$25,000  
**Brand / Model :** BRANDT "AMBITION 1650 FC"  
**Machine Type :** EDGEBANDER (W/PRE-MILLING & CORNER ROUNDING)  
**Year of Mfg. :** 2012  
**Condition :** Very good condition  
**Elect / Voltage :** 400/230 V, 60 Cy, 3 Ph.  
**Special Note :**

**FOB / Region :** SOUTHWEST  
**Appr. Repl. Cost. :** \$ 185,000  
**Price :** \$ 0 \*  
**Comment :** A well-maintained, low hours BRANDT Ambition!  
**Leasing :** Contact NCL for quote

\* Pricing is valid at the time of printing and subject to change at any time.

**Description :**

- **BRANDT AMBITION 1650 FC HIGH FLEX EDGEBANDER (W/PRE-MILLING & CORNER ROUNDING):**

**Specifications:**

- Edge thickness 0.4 - 12 mm (0.02" - 0.5"), incl. 3 mm (0.12") PVC banding.
- Workpiece thickness 8 - 60 mm (0.314" - 2.375").
- Min. workpiece width 70 mm (2.76"), Min. workpiece length 160 mm (6.37").
- Working height 950 mm (37.8").
- Variable feed speeds from 26 - 59 FPM (8 - 18 MPM) applying solid or using corner rounding units.

**Equipped with:**



Please ask me

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- 3 HP (2.2 kW) Feed motor for variable feed speeds from 26 - 59 FPM (8 - 18 MPM) applying solid or using corner rounding units.
- Infeed panel support with roller guide extends out to 800 mm (31.4"). Motorized top pressure beam adjustment with 0.16 HP (0.12 kW) Motor.
- 80 mm (3.15") W Heavy Duty feed chain, with rubber pads, automatic chain track lubrication.
- Top pressure section with double-wide compound V-belt to prevent panel movement.
- All cutting & trimming workstations are HF (High-Frequency Motors); line control (no limit switches) for workstation functions.
- Top & bottom spraying device located in front of pre-milling station for easy residual glue cleaning.
- Manual adjustment in case of modified panel overhang.
- Automatic edge infeed.
- Reinforced guillotine for coiled edgebanding material; 0.3 - 3 mm (0.01 - 0.12") thickness & 8 - 45 mm (0.314" - 1.78") Height.

**Pre-milling Station:**

- (2) 3 HP (2.2 kW) - 12,000 RPM Vertical milling/jointing heads, Electro-pneumatic jump control on 1st motor, electronic frequency inverter for control of motor speed & braking, SIKO digital units for vertical & horizontal adjustments.

**Glue Preheat Unit:**

- 2.5 KW, 3 KG (6.61 Lbs.) cap.; glue viscosities 25,000 - 80,000 mPa, temperature range 120° - 245° C (248° - 473° F); max. melting capacity 6 KG/Hr.

**EVA Hot Melt Glue Application System:**

- QA 45 Quick-change glue tank with electronic switchable/emptying mode for easy maintenance & glue color change.

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Melting capacity approx. 6 - 10 KG/Hr; glue reactivating infrared heating unit positioned between glue roller & pressure zone to improved edge quality.

Adjustable glue amount with servomotor

**Pressure Zone:**

- Program controlled positioning of the pressure zone; (1) large driven & (3) secondary pneumatically controlled idle rollers.

**Workstations:**

- **Front & Rear End Trimming Unit** with: Gap optimization, (2) 0.5 HP (0.35 kW) - 12,000 RPM motors, electropneumatic reset for straight or chamfer trimming.
- **Top & Bottom Multi-stage Trimming Unit:** (2) 0.73 HP (0.55 kW) - 12,000 RPM Motors with vertical & horizontal tracing; 2-position programmed controlled indexing. Position #1 with slight projection of 0.2 mm & Position #2 with flush trimming without projecting edge; Servo motor, controlled positioning of the work units and side copy for multiple edge thickness.
- **Multifunction Profile Trimming Unit (Corner Rounding)** with: Magnetic drive technology, (4) 0.54 HP (0.4 kW) - 12,000 RPM motors, 18 MPM (59 FPM) max. feed speed; 3 mm (0.12") max. edge thickness, 12 - 60 mm (0.50 - 2.375") workpiece thickness, quick-change motor system for different radius profiles, pneumatic (2) position indexing for different edge thickness.
- **Top & Bottom Multi-Profile Scraping Unit:** Program controlled from operator panel & pneumatically controlled blow off nozzle & PVC Scrap box.
- **Top & Bottom Finish Scraping Unit with:** Digital "quickset" system followed by detergent spraying unit to eliminate glue residue.
- **Top & Bottom Buffing Unit:** (2) 0.24 HP (0.18 kW) - 1,450 RPM Motors.
- All Workstation units are equipped with digital indicators for easy setup.

**Machine & Operator Control:**

- "POWERTOUCH PC-20" Control with 256 MB RAM, USB Port, 1 GB Flash card, internal modem for remote diagnostic access link, and 12.1" TFT flat screen monitor.

**Complete with:**

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- Electronic height adjustment for different panel thicknesses.
- Program controlled infeed fence positioning.
- Sound enclosure.
- 32" Dia. roll plate.
- Original production instructions manual.
- Actual Model is **BRANDT AMBITION 1650 FC HIGH FLEX (aka KDF 650 AT 15)**

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