

## Brandt Automatic Edgebander Edition 1440 FC

**This model has UL approved electrical components.**

### **Power Touch Control**

- Full Multi touch HD wide screen
- Memory: 256 Mb ram, 1 Gb Flash Card.
- Screen: 22" Flat Screen touch control
- Remote diagnostic link.

Motorized top pressure beam for panel thickness adjustment

Smooth top pressure rollers

Automatic feed track lubrication system

Adjustable in feed fence with servo motor control

Panel pre-heater

Pneumatically-controlled hard stop at machine in feed to prevent premature panel introduction

Joint trimming unit for pre-trimming the work piece edge prior to processing

\*\* **IMPORTANT NOTE** \*\* 60 mm working height pre-mill cutter heads

Quick melt granulate glue application system with twelve minute heat-up time

Quick-change glue tank for easy maintenance and glue color change, if necessary

Motorized positioning of the pressure zone. First pressure roller driven and two idle pressure rollers

Double motor end trimming unit with straight and chamfer capability. Chamfer up to 15°. Program controlled indexing from straight to bevel end trimming

Multi-stage fine trimming unit with 3 working positions: profile 1, profile 2, flush trimming. Auto tilt and servo controlled vertical and horizontal tracing rollers

Contour trimming unit for profile corner trimming

Sound enclosure with centralized dust extraction outlet

Multiple radius scraping unit with program control for two different radii with servo controlled vertical and horizontal tracing rollers

Finish scraping unit

Buffing unit with 2 motors, 0.18 kw each. 2 cloth buffing discs, dia. 150 x 20 mm

Electronic frequency changer for all trimming motors

**Isolation transformer** with variable in feed voltage for balancing all three phases of incoming power. This transformer will increase the lifetime of the machine's electrical components. Also helps dampen power surges and cancels line noise.

**Power Touch Control****Motorized top pressure beam with smooth rollers****Joint Trimming Unit**

- pre-trimming of the work piece edge prior to gluing
- motorized in feed fence positioning via program control
- two motors, 3 HP each, 12,000 RPM
- one motor clockwise rotation, one counter-clockwise
- vertical spindle adjustment via digital settings
- horizontal positioning via electro-pneumatic control
- dust extraction hood included with 120 mm diameter outlet ( 4 ¾ “)
- diamond cutter heads

**Automatic Magazine for Strip and Coil Feeding**

- large coil table (800 mm diameter) with built-in rollers to allow for 3 mm PVC coils
- edge strip capacity from 0.4 mm to 8 mm (0.016” – 5/16”)
- direction of glue roller reversible
- glue roller section is also retractable from fence line
- one large driven pressure roller with pneumatic pressure control
- two secondary rollers, all with controlled side pressure
- motorized setting of pressure zone
- strengthened pre-cutter for cutting thick PVC edges from the coil; maximum 3 x 45 mm; precutting system equipped with air volume reservoir for on-demand activation required for short workpieces

**Quick Melt Gluing System**

- hopper feeding gluing system
- no lubrication required – uses a high tech bearing system
- quick-change glue tank for easy maintenance and glue color change, if necessary
- glue temperature indication of both pre-melter and glue roller via LED thermostat display visible to operator
- infrared radiant glue heat zone control for optimum gluing strength. Automatic temperature reduction if not run within 15 minutes. This feature reduces the temperature automatically by 50 degrees C

**Sound Cover**

- equipped with two independent openings
- safety interlock system - when sound enclosure door is opened, corresponding work station shuts off
- end trimming, fine trimming, and top/bottom contour trimming motors are each equipped with electronic motor brakes to stop cutter rotation when hood is opened or when station is shut off at operator control panel

**End Trimming Station**

- straight/chamfer end trim unit equipped with two 0.35 kw (1/2 HP) 12,000 RPM motors; electronic motor brakes
- end trim unit utilizes drawing cut system for reduced blade projection when working on thick panels
- tooling also included
- program controlled indexing from straight to bevel end trimming

**Multi-stage Fine Trimming unit with Servo motor control**

- equipped with two .55 kw (3/4 HP) 12,000 RPM trimming motors
- electronic motor brakes
- horizontal and vertical tracing wheels
- nested copy system
- auto tilt feature
- 3 profile choices: profile 1, profile 2 and flush trimming via program control
- equipped with two multi profile radius cutter heads, including four knife carbide inserts.
- servo motor controlled positioning to edge thickness

**Contour Trimming Unit**

- for corner rounding of thick PVC edgings
- 1 motor .35 kw, 12000 RPM
- 2 mm radius diamond cutter

**Multi-Profile Scraping Unit with Servo Control**

- electro-pneumatic indexing in or out of position
- multi-profile of 2 radii with servo control of lateral sensing rollers
- 1 mm radius and 2 mm radius multi-profile inserts are standard and included

**Finish Scraping Unit**

- Flat knives remove any unwanted material from the trimmed / scraped edge

**Top and Bottom Buffing Unit**

- top and bottom buffing motors for finishing of longitudinal edges
- two 2800 RPM polishing motors
- inclinable vertically and horizontally
- two buffing wheels included

**Technical Specifications**

Edge band thickness	0.4 – 8 mm (0.016" - 5/16" )
Coil cutoff maximum	0.8 x 60 mm 3.0 x 45 mm (PVC)
Edgeband height	12 - 65 mm (1/2" – 2 9/16 ")
Panel length min.	160 mm (6 3/8")
Panel width min.	70 mm (2 3/4")
Panel thickness - min. - max.	8 mm (5/16") 60 mm (2 3/8")
Edge height = panel thickness	+ 5 mm
Feed speed – variable	8 to 14 m/min ( 26 - 46 FPM ) 11 m/min when contour trimming.
Feed motor	2.2 kw (3 HP)
Joint trimming unit – two motors Cutting speed	2.2 kw ( 3 HP each ) 12,000 RPM
Pressure section	First roller driven, two rollers idle
End trim unit - two motors Cutting speed Straight cut max.	.35 kw (1/2 HP ea) 12,000 RPM 360 square mm 8 x 45 mm ( 5/16" x 1 3/4") 6 x 60 mm (1/4" x 2 3/8")
Fine trimming unit-auto tilt Cutter speed	.55 kw (3/4 HP each) 12,000 RPM
Contour trimming unit	0.35 kw (1/2 HP ea - one motor ) 12,000 RPM
Total power required	20 kw
Amperage @ 230 @ 460	50 amps 25 amps
Machine length	5570 mm (18' 3")
Machine width	1560 mm (61 1/2 ")
Working height	950 mm (37 3/8")
Total height (hoods open)	2300 mm (7' 6 1/2")
Machine net weight	1850 kg (4070 lbs.)

Electrical connection: 208/230 or 440/480 volt, 3-phase, 60 Hz.

Dust extraction: 1x 120 mm (4 3/4"), 3x 60 mm (2 3/8"), 1x 100 mm (4"), 1700 CFM

Compressed air connection: 0.18 CFM per panel, 6 bars (85 PSI)