

Brandt Automatic Edgebander KDF 530 C Servo

PC-20 Program Control

- PC: Industrial PC, 600 Mhz, Front side USB port.
- Memory: 256 Mb ram, 1 Gb Flash Card.
- Screen: 12.1" Color, 800 x 600 pixel, Active TFT Screen
- Internal modem for remote diagnostic link

Equipped with digital height indicator.

Dual feed speed of 46 FPM / 36 FPM. 36 FPM when contour trimming.

Integrated electronic line control system for increased reliability and diagnostic assistance. No limit switches used for setting operating units.

Universal automatic magazine for strip and coil feeding.

Large coil table (800 mm diameter) to accommodate large coils of 3 mm PVC.

Adjustable in feed fence.

Joint trimming unit with two diamond cutter heads. For trimming the panel edge.

Hot melt granulate glue application system with approximately twelve minute heat-up time. No lubrication required for maintenance.

Reversible rotation of glue application roller. Retractable glue roller.

Strengthened precutter for cutting PVC (max. 3 x 45 mm) from the coil.

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

Fine trimming unit with **Servo Motor Program controlled indexing.**

Contour trimming unit.

Scraping unit with program controlled pneumatic indexing.

Buffing unit.

Electronic frequency changer for all trimming motors which also incorporates electronic motor brakes.

Electrical components according to UL/CSA Listings.

Technical Specifications

Edgeband thickness	0.4 - 8 mm (0.016" - .315") (5/16")
Coil cutoff maximum	0.8 x 55 mm 3.0 x 45 mm (PVC)
Edgeband height	12 - 55 mm (1/2" - 2 3/16")
Panel length min.	160 mm (6 3/8")
Panel width min.	65 mm (2 3/8")
Panel thickness - min. - max.	8 mm (5/16") 50 mm (2")
Feed speed	11/14 m/min (36 FPM when contour trimming otherwise 46 FPM)
Feed motor	2.2 kw (3 HP)
Joint trimming – two motors Cutting speed	2.2 kw (3 HP each motor) 12,000 RPM
Pressure section	First roller driven, two rollers idle
End trim unit - two motors Cutting speed Straight cut max.	.18 kw (1/4 HP) 12,000 RPM 8 x 45 mm (5/16" x 1 3/4")
Fine trimming unit Cutter speed	.55 kw (3/4 HP ea.) 12,000 RPM
Contour trimming unit Cutting speed	.35 kw (1/2 HP) 12,000 RPM
Electronic frequency inverter	
Total power required	6 kw
Amperage @ 230 @ 460	50 amps 25 amps
Machine length	4770 mm (15' 7")
Machine width	1730 mm (68")
Working height	900 mm (35.5")
Total height	1600 mm (63")
Machine net weight (with all stations full)	2000 kg (4400 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"), 1400 CFM.

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

PC-20 Program Control

Integrated Electronic Line Control System for Increased Reliability and Diagnostic Assistance

Joint Trimming Unit

- pre-trimming of the workpiece edge prior to gluing
- 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
- setting of pressure zone equipped with digital counter accurate to .1 mm (.004")
- strengthened precutter for cutting thick PVC edges from the coil; maximum 3 x 45 mm

Standard Gluing System

- heat-up time is twelve minutes
- no lubrication is needed for this unit
- quick-change glue tank for easy maintenance and glue color change, if necessary
- glue temperature indication of both premelter and glue roller via LED thermostat display visible to operator
- automatic temperature reduction if not run within 15 minutes. This feature lowers the temperature automatically to 150 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 and fine 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 0.18 kw (1/4 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**

Fine Trimming Unit

- equipped with two .55 kw (3/4 HP) 12,000 RPM trimming motors
- electronic motor brakes
- horizontal and vertical copy rollers with lateral location indexing via Servo Motor Positioning
- two position program controlled vertical indexing
- each trimming motor is equipped with one dust hood and dust extraction hose
- equipped with two **DFC** combination straight/radius cutter heads, including four knife carbide inserts; flush trimming possible up to 8 mm edge thickness; radius - 3 mm

Contour Trimming Unit

- for corner rounding of thick PVC edgings
- 3 mm radius reversible profile knives standard

Scraping Unit with Knives

- for scraping of roughly trimmed thick PVC edges in order to remove the cutter marks
- 3 mm radius reversible profile knives standard
- **program controlled pneumatic indexing**

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

Altendorf America Leasing Option

Stiles Machinery offers a variety of flexible financing options to meet your needs. Contact your sales representative for a detailed leasing quote at current rates.

Installation

All inclusive. Any required change of voltage will be performed at time of installation, not prior to shipment.

IN CASE OF INCOMING MAIN VOLTAGE FLUCTUATIONS OF MORE THAN +10% / - 5% OF MACHINE CONNECTED VOLTAGE, A VOLTAGE STABILIZER MUST BE INSTALLED BY THE CUSTOMER ON THE INCOMING POWER CONNECTION.

ALTENDORF AMERICA STANDARD TERMS AND CONDITIONS OF SALE ARE APPLICABLE.