

Edge Banding machine used - year 2012
Type: PROFILINE KDF 440 HIGHFLEX 1440
machine number: 0-261-20-5586

BRANDT SINGLE-SIDED EDGE BANDING MACHINE

MODEL: HIGHFLEX 1440

One-sided edge banding machine for editing of straight workpiece edges and for gluing and finishing of different edge materials in longitudinal and transverse passage.

OVERVIEW OF UNIT EQUIPMENT:

JOINING MILLING UNIT 2 X 2.2 KW 200 HZ

RENTAL UNIT A8

CUT UNIT BEVEL/STRAIGHT 2 X 0.18 KW

PNEUMATIC ADJUSTMENT CUTTING BEVEL/STRAIGHT

PRE-MILLING UNIT 2 X 0.55 KW 0 DEGREE

PNEUMATIC 2-POINT ADJUSTMENT

MULTIFUNCTIONAL FORM MILLING UNIT 2 X 0.4 KW

PROFILE SCRAPING BLADE

PNEUMATIC ADJUSTMENT OF SCRAPING BLADE

GLUE JOINT SCRAPER

BUFFER UNIT

1. BASIC MACHINE:

- Continuous machine stand for constructing the machining units
- Fixed stop side on the right
- Gray paintwork RDS 240 80 05
- Infeed ruler adjustable by motor
- Inlet lock pneumatically controlled
- top pressure:
- Individual rollers in 2 rows, arranged in a staggered manner
- Motorized height adjustment
- Position display and input centrally via the control
- Workpiece transport device:
- Transport chain with rubber pad, 80 mm wide
- Precision running and guiding surfaces
- Equipped with automatic central lubrication as standard for the transport chain
- Workpiece support with roller rail, extendable approx. 600 mm
- Noise protection equipment, with individual suction for joining part and Aggregates, as well as chip collection box for scraper chips.
- feed | 8 - 14 m/min
- Max. feed with form cutter | 14 m/min
- Working height | 950 mm
- Pneumatic connection | min. 6bar
- Overall length | 5,270 mm

2. WORKPIECE AND EDGE PARAMETERS:

- workpiece width min:
- With a workpiece thickness of 12-22mm | 70 mm*
- With a workpiece thickness of 23-40 mm | 120 mm*
- With a workpiece thickness of 41-60 mm | 150 mm*
- *Depending on the workpiece length
- Workpiece overhang | 38 mm
- Workpiece thickness | 8 - 60 mm
- Edge height max.= workpiece height| + 6 mm
- Edge material roll | 0.4 - 3 mm
- Edge cross-section max.
- For PVC | 135 mm²
- For veneer | 100 mm²
- Roll diameter max. | 830 mm
- Edge material strips | 0.4 - 8 mm

- Edge cross-section max.
- For strips | 360 mm²
- If no radius is specified, R=2 mm is retracted and delivered
- The machine operator is responsible for the use of suitable materials (plates, glue, edges, cleaning agents, paints, etc.).

3. A G G R E G A T E EQUIPMENT

3.1 JOINING MILLING UNIT 2 X 2.2 KW 200 HZ

- To attach in front of the glue part, spindle adjustment vertical, electropneumatic
- Control horizontal, 2 motors

3.2 RENTAL UNIT A8

WORKPIECE PREHEATING

QUICKMELT APPLICATION UNIT

- Melting unit and quick-changeable, small-volume Quickmelt application unit
- Processing of PU adhesive granulate with Standard application unit Changeable PU possible

MAGAZINE

- Automatic edge magazine for rolls and fixed lengths, including roller plate

PRESSURE ZONE WITH MOTORIZED ADJUSTMENT

- Equipped with motorized one-axis adjustment the pressure zone on edge thickness

3.3 CUT UNIT FASE/STRAIGHT 2 X 0.18 KW

- For trimming the front and rear edge material overhang with a pulling cut.

2 motors, each equipped with a chop saw blade.

Swivel range straight to chamfer caps 0-15 degrees

- 2 motors each 0.18 kW, 200 Hz, 12,000 rpm.

3.4 PNEUMATIC ADJUSTMENT CUTTING BEVEL/STRAIGHT

3.5 PRE-CUTTING UNIT 2 X 0.55 KW 0 DEGREES

- for flush milling in CONTRA-FLOW of the upper and lower edge material-supernatant. 2 motors arranged one above the other, vertically scanning, manually moveable 30 mm to the side
- 2 motors each 0.55 kW, 200 Hz, 12,000 rpm.

3.6 PNEUMATIC 2-POINT ADJUSTMENT

- the vertical feeler rollers for switching from milling machines (with overhang)
- or on flush milling

3.7 MULTIFUNCTIONAL FORM MILLING UNIT 2 X 0.4 KW

For processing the edge overhangs on the top and bottom edge of the workpiece as well as for corner copying of the front and rear edges.

- Servo-controlled motion sequence with soft-touch function
- 2 motors each 0.4 kW, 200 Hz, 12000 rpm
- with HSK 25 tool holder

3.08 PROFILE SCRAPING BLADE

3.09 PNEUMATIC ADJUSTMENT OF SCRAPING BLADE

3.10 GLUE JOINT SCRAPER

3.11 DIFFUSER UNIT 2 MOTORS

- 2 motors each 0.09 kW, individually hung, tilt and height adjustable
- 2 Molton discs diam. 120x20mm

4.0 POWER CONTROL PC 20+ ELECTRONIC CONTROL

BRANDT control system with color graphic user interface for simple and convenient operation and programming.

Technical details:

- Swivel control panel at the machine infeed
- Durable short-stroke membrane keyboard
- 12 inch color graphic flat screen
- Industrial PC with compact flash disk as mass storage
- Aggregate function keys with LED status display

5.0 ELECTRICAL EQUIPMENT

- Operating voltage 400 volts - 3Ph - 50Hz
- Control cabinet installed according to Euronorm EN 60204
- Electronic frequency converter with engine braking function
- Overvoltage protection for machines with electronics
- Electronic stabilization of the internal 24 V control voltage
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6.0 SAFETY AND PROTECTION DEVICES

- CE mark according to EC Machinery Directive 98/37/ EU member countries
- Wood dust tested

7.0 HOMAG GROUP QUALITY PACKAGE

8.0 DOCUMENTATION

- Documentation on CD-ROM
- Operating and maintenance instructions also in printed form

TOOL SET R = 2 MM

INFEEED RULER EXTENSION BY 300 MM

PU TOP PRESSURE ROLLERS INSTEAD OF RUBBER ROLLERS

AUTOMATIC EDGE FEEDER KDX 1400

EXTRA PRICE REPLACEABLE HEAD SCRAPING BLADE 1200/1400

SOFTWARE PREPARATION RELEASE/CLEANING AGENT

DOCUMENTATION AND CONTROL TEXTS: GERMAN