

Edge banding machine Brandt
Type: Optimat KDF 440 Edition
Used machine - year 2015
Machine number: 0-261-82-6330



OPTIMAT KDF 440 C EDITION

BRANDT SINGLE-SIDED EDGE BANDING MACHINE

MODEL: KDF 440 edition

Single-sided edge banding machine for processing straight workpiece edges and for gluing and finishing various edge materials in longitudinal and transverse feed.

OVERVIEW OF THE UNIT EQUIPMENT:

JOINING MILLING UNIT 2 X 2.2 KW 200 HZ

GLUING UNIT A8

TRIMMING UNIT BEVEL/STRAIGHT 2 X 0.18 KW

PNEUMATIC ADJUSTMENT TRIMMING BEVEL/STRAIGHT

MULTI-STAGE MILLING UNIT MS 40 COUNTER-RUNNING

PNEUMATIC 2-POINT ADJUSTMENT

SHAPE MILLING UNIT 1 X 0.35 KW WD 60

PNEUM. 2-POINT ADJUSTMENT RADIUS/CHAMFER

MULTI-STAGE DRAWING BLADE UNIT MZ 40

GLUE JOINT DRAWING BLADE

BUFFERING UNIT

BASE MACHINE:

- Continuous machine stand for setting up the processing units
- Fixed stop side on the right
- Paint finish grey RDS 240 80 05
- Extended infeed ruler adjustable by motor
- Infeed lock pneumatically controlled
- Top pressure:
- Individual rollers in 2 rows, offset
- Height adjustment by motor
- Position display and input centrally via the control system
- Workpiece transport device:
- Transport chain with rubber pad, 80 mm wide
- Precision running and guide surfaces
- Standard equipment with automatic central lubrication for the transport chain
- Workpiece support with roller rail, extendable by approx. 600 mm
- Noise protection equipment, with individual suction for the joining part and units, and Chip catcher box for scraper chips.
- Feed rate | 8 - 14 m/min
- Max. feed rate with form milling machine | 11 m/min
- Working height | 950 mm
- Pneumatic connection | min. 6 bar
- Total length | 5,578 mm

WORKPIECE AND EDGE PARAMETERS:

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

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- Edge material strips | 0.4 - 8 mm
- Edge cross-section max.
- For strips | 360 mm²

aggregate assembly:

JOINING MILLING UNIT 2 X 2.2 KW 200 HZ

- For joining in front of the gluing part, spindle adjustment vertical, electro-pneumatic control horizontal, 2 motors
- Including jointing milling set in DIA design

GLUING UNIT A8

Consisting of:

WORKPIECE PREHEATING

- Radiator for preparing the workpiece for optimal bonding quality

STANDARD APPLICATION UNIT

- Quick-change application unit.
- Processing of PU adhesive granulate with standard application unit possible.
- Glue roller rotation direction can be either parallel or counter-rotating.
- Glue temperature monitoring using an electronic thermostat
- Automatic glue temperature reduction when work is interrupted

MAGAZINE

- Automatic edge magazine for rolled goods and fixed lengths, including roller plate
- Equipped with reinforced pre-cutting shears

AUTOMATIC EDGE FEED

- for quickly changing different roll edges up to 3 mm thick.

PRESSURE ZONE WITH MOTORIZED ADJUSTMENT

- Pressure zone with driven, pneumatically actuated main pressure roller and 2 free-running post-pressure rollers
- Equipped with motorized single-axis adjustment of the pressure zone to edge thickness

CUTTING UNIT BEVEL/STRAIGHT 2 X 0.18 KW

- For cutting the front and rear edge material overhang with a pulling cut.
2 motors, each equipped with a miter saw blade.
Swivel range straight to bevel trimming 0-15 degrees
- 2 motors each 0.18 kW, 200 Hz, 12,000 rpm.

PNEUMATIC ADJUSTMENT BEVEL/STRAIGHT TRIMMING

- for electro-pneumatic conversion of the trimming unit from straight to bevel

MULTI-STAGE MILLING UNIT MS 40 COUNTER-ROTATION

- For milling the upper and lower edge material overhang, vertically and horizontally scanning. Height adjustment of the upper unit with the top pressure
- Functionality can be selected from the control panel: 3 working positions
Position 1 or position 2 is also used for bevel milling thin edges.
- Adjustment spindle for horizontal, vertical adjustment, equipped with digital counters.
- Equipped as standard with motorized axis adjustment of the side rollers

- 2 motors each 0.55 kW, 200 Hz, 12,000 rpm.- equipped with 2 radius DFC combi cutters for chamfer, radius and flush milling

PNEUMATIC 2-POINT ADJUSTMENT

- of the vertical feeler rollers for switching from milling (with overhang) or to flush milling

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FORM MILLING UNIT 1 X 0.35 KW WD 60

- For form milling of front and rear edges for different profiles
- 1 motor each 0.35 kW, 200 Hz, 12000 rpm.
- PNEUM. 2-POINT ADJUSTMENT RADIUS/CHAMFER

MULTI-STAGE DRAWING BLADE UNIT MZ 40

- For chamfering or rounding pre-milled plastic edges, vertically and horizontally scanning
- Height adjustment of the upper unit with the top pressure
- Motorized axis adjustment of the lateral feeler rollers to edge thickness and the vertical feeler rollers for profile adjustment
- Electro-pneumatic adjustment for moving the unit into the work area

GLUE JOINT DRAWING BLADE

- For removing adhesive residues in the area of the glue joint

SWAPPING UNIT 2 MOTORS

- 2 motors each 0.09 kW, individually suspended, angle and height adjustable
- 2 molleton discs diameter. 120 x 20 mm

ELECTRONIC CONTROL POWER CONTROL PC 20+

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

Technical details:

- Swiveling control panel at the machine inlet
- 12 inch color graphic flat screen
- Industrial PC with compact flash disk as mass storage
- Unit function keys with LED status display
- Commission-related operating data acquisition,
- Online language switching between various foreign languages
- Inspection and maintenance interval display
- Saving of processing programs
- Production according to processing programs
- Data backup of processing programs
- Fan for electronic controller.

ELECTRICAL EQUIPMENT

- Operating voltage 400 volts - 3Ph - 50Hz
- Electronic frequency converter with motor brake function
- Overvoltage protection for machines with electronics
- Country-specific operating voltage adjustment via transformer (optional)
- Electrical equipment with modular control system for increased

operator comfort

SAFETY AND PROTECTION DEVICES

- EC conformity (CE) according to the currently valid Machinery Directive
- Wood dust tested TRK value max. 2mg/m³ when adhering to the extraction performance to be provided by the customer according to the installation plan

HOMAG GROUP QUALITY PACKAGE

TOOL SET R = 2 MM

PU ROLLERS INSTEAD OF STANDARD ROLLERS 1110 - 1400

STANDARD APPLICATION UNIT, INTERCHANGEABLE PU GLUE
Additional quick-change standard application unit,

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with electrical plug connections. With special Chemcoat inner coating for easier glue pot cleaning.

RELEASE AGENT SPRAY UNIT WORKPIECE

- Release agent indication at the top and bottom,

MULTIPLE ROLLER DETACHMENT MULTI-STAGE

- for use with acute-angled workpieces,
or with workpieces with one-sided cup hinge holes.

R=1.3 MM POS.1 MULTI-STAGE MILLING UNIT MS 40/45

R=2 MM POS. 2 MULTI-STAGE MILLING UNIT MS 40/45

ADDITIONAL COST FOR FORM MILLING MACHINE 4802 CONSTRUCTION FLOORS

- For vertical corner processing of construction or insert floors,
where prior gluing of the cross edge is not necessary.

MULTI-STAGE ROLLER DETAILING MULTI-STAGE

- for use with acute-angled workpieces or with workpieces with
one-sided cup hinge holes.

R=1.3 MM POS. 1 MULTI-STAGE DRAWING BLADE MZ 40

R= 2 MM POS. 2 MULTI-STAGE DRAWING BLADE MZ 40

CLEANING AGENT SPRAY UNIT WORKPIECE

- Spray device for cleaning agents on the upper and lower edges of the
workpiece.

HOMAG GROUP CONTROL SYSTEM POWERTOUCH 1

Control center with full HD multi-touch display in widescreen format

- HOMAG Group user interface powerTouch for Practive machines
- Ergonomic touch operation with gestures, such as scrolling, swiping
- Intelligent production readiness display via traffic light function
- Machine data acquisition

DOCUMENTATION

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

DOCUMENTATION AND CONTROL TEXTS: GERMAN