

Edge banding machine Brandt
Type KDF 220 Highflex 1220
Used machine - year 2016



PROFILINE KDF 220

Machine number: 0-261-08-0851

only 2558 operating hours

BRANDT SINGLE-SIDED EDGE BANDING MACHINE

MODEL: HIGHFLEX 1220

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

OVERVIEW OF UNIT EQUIPMENT:

JOINING MILLING UNIT 2 X 2.2 KW 200 HZ

RENTAL UNIT A6

PNEUMATIC 2-POINT ADJUSTMENT PRESSURE ZONE

CUT UNIT BEVEL/STRAIGHT 2 X 0.18 KW

PNEUMATIC ADJUSTMENT CUTTING BEVEL/STRAIGHT

MILLING UNIT 2 X 0.27 KW COUNTER-RUN

PNEUMATIC MILLING CHAMFER / RADIUS / STRAIGHT

SHAPING UNIT 1 X 0.35 KW WD 40

SCRAPERS WITH QUICK-CHANGE HEADS

PNEUMATIC ADJUSTMENT OF SCRAPING BLADE

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
- Manually adjustable infeed guide
- top pressure:
- Individual rollers in 2 rows, arranged in a staggered manner
- Height adjustment with digital counter for manual adjustment of top pressure on board thickness
- Workpiece transport device:
- Transport chain with rubber pad, 80 mm wide
- Precision running and guiding surfaces
- Standard equipment with pneumatic central lubrication for the Transport chain, manually operated by button
- Workpiece support with roller rail, extendable approx. 500 mm
- Noise protection equipment, with individual suction for joining parts and aggregates, as well as chip collector for scraper chips
- feed | 11 m/min
- Feed max. with form cutter | 11 m/min
- Working height | 950 mm
- Pneumatic connection | min. 6 bar
- Overall length | 4,153 mm

2. WORKPIECE AND EDGE PARAMETERS:

- workpiece width min:
- With a workpiece thickness of 8-22mm | 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 thickness | 8 - 60 mm

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- Edge height max.= workpiece height | + 5 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 - 6 mm
- Edge cross-section max.
- For strips | 165 mm²
- If no radius is specified, R=2 mm is retracted and delivered
- For the use of suitable materials (plates, adhesives, edges, cleaning agents, paints, etc.) is the responsibility of the machine operator.
- When using edge material with high-gloss surfaces, painted surfaces, matted surfaces and pressure-sensitive ones materials, we recommend the use of a suitable protective film the edge material

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 gluing part, vertical spindle adjustment, electro-pneumatic control horizontal, 2 motors (1 x DC, 1 x counter-rotation), max. chip removal / stroke 3 mm
- Including jointing cutter set in DIA design with exchangeable cutting edges.

3.2 RENTAL UNIT A6

Consisting of:

WORKPIECE PREHEATING

- Contact hot shoe to prepare the workpiece

STANDARD APPLICATION UNIT

- Quick-change application unit
- Processing of PU adhesive granules possible
- Finely dosed glue application to the workpiece using a glue roller,
- Direction of rotation of the glue roller either synchronous or counter-rotating.
- Glue temperature monitoring by electronic thermostat
- Automatic glue temperature reduction when work is interrupted

MAGAZINE

- Automatic edge magazine for rolled goods and fixed lengths, including roller plates; Reinforced pre-cutting shears

PRINT ZONE

- Pressure zone with driven main pressure roller as well as 2 free-running pressure rollers
- PNEUMATIC 2-POINT ADJUSTMENT PRESSURE ZONE

3.3 CUT UNIT FASE/STRAIGHT 2 X 0.18 KW

- 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

for the electro-pneumatic changeover of the snipping unit from bevel to straight.

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3.5 MILLING UNIT 2 X 0.27 KW COUNTER ROTATION

- For milling the upper and lower edge material overhang, vertically and horizontally keyed. Height adjustment of the upper Aggregates with the upper pressure
- Aggregate manually adjustable between 3 different working positions
- 2 motors each 0.27 kW, 200 Hz, 12,000 rpm.

3.6 PNEUMATIC MILLING CHAMFER / RADIUS / STRAIGHT

for electro-pneumatic adjustment of the milling unit from chamfer to radius or straight line.

3.7 FORM CUTTING UNIT 1 X 0.35 KW WD 40

- For shaping the leading and trailing edges
- Delivery including DIA radius tool
1 motor each 0.35 kW, 200 Hz, 12,000 rpm.

3.8 SCRAPERS WITH QUICK-CHANGE HEADS

- 2 quick-change heads for easy radius change, with 2 WPL profile knives

3.9 PNEUMATIC ADJUSTMENT OF SCRAPING BLADE

4.0 BRANDT EASYTOUCH CONTROL SYSTEM With touch display in widescreen format,

- Clear 7" touch display
- Representation of the main machine target and actual states
- Integrated route control
- Easy choice and correction of the route points
- Intelligent production readiness display via traffic light function
- Online language switching between various foreign languages
- Machine data acquisition
- Up to 20 machining programs can be saved

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
- Electrical equipment with modular control system
- Prescribed ambient temperature: + 10 to + 40 °C

6.0 SAFETY AND PROTECTION DEVICES

- EC conformity (CE)
- Wood dust tested TRK value max. 2mg/m³

7.0 HOMAG GROUP QUALITY PACKAGE

- TÜV certificate according to DIN EN ISO 9001:2000

8.0 DOCUMENTATION

1. Operating instructions consisting of operating and Maintenance instructions on DIN A4 paper and data carrier.
2. Spare part designations and circuit diagrams on data medium
3. Help texts integrated in the machine control
4. Operating system dialogs in English

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TOOL SET R = 2 MM

INFEEED RULER EXTENSION BY 300 MM

LED HOOD LIGHTING XX20 - XX40

AUTOMATIC EDGE FEEDER KDX 1210 F/KDX 1440
for quick changing of different roll edges
up to 3 mm thick. The edge material will
motorized from the roller plate to the working position
promoted.

REPLACE BUFFS FOR GLUE JOINT SCRAPERS