

Drilling and dowel inserting machine
Weeke ABD 150
Used machine - year 2012



OPTIMAT ABD 150

CNC CONTROLLED DRILLING AND DOWEL INSERTING MACHINE
for the production of furniture parts made of wood or
wood-like materials

1. BASIC MACHINE

- Stable steel frame construction
- Movement of the axes in the X, Y and Z directions
- Ball screw (Y and Z directions) and rack drive (X direction)
- Digital AC servo motor
- Support table with left and right side stops as well as rear stop rail
- Center stop can be lowered pneumatically, manual control via selector switch
- 4 clamping cylinders from above, manually adjustable
- Automatic central oil lubrication of the rack in the X direction as well as the linear guide carriage of the X, Y and Z axes

2. CE SAFETY AND PROTECTION DEVICE

- Protective grille in the side and rear areas

3. WORKPIECE DIMENSIONS

Length: max. 1,250 mm
min. 20 mm

Width: max. 800 mm
min. 100 mm

Thickness: max. 60 mm
min. 10 mm

Active center stop:
Length max. 600 mm

4. EQUIPMENT

- horizontal drilling gear with 3 individually retrievable spindles, spindle distance 32 mm
- 1 dowel tool (at a distance of 32 mm from the first drilling spindle)
- Glue nozzle with adjustable glue quantity
- Glue flow monitoring
- Mist oiler for glue nozzle
- Standard dowel dimension: 8x30 mm / 8x35 mm
- Vibration conveyor for automatic dowel feeding

A notice:

Machine is supplied with the dowel dimensions at the factory
8 x 30 mm delivered.

5. DOCUMENTATION

- Documentation in printed form and as CDROM,
Includes spare parts catalog and circuit diagram

6. PAINT

- Paint gray RDS 240 80 05

7. CENTRAL EXTRACTION

- Connection data is technical. Refer to the data sheet

8. power control PC85 (woodWOP 5.0)

Modern control system

PC85 hardware:

- PLC control according to international standard IEC 61131

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- Operating system Windows XP (US) embedded
- IntelCore 2 Duo processor
- TFT flat screen 17 inches
- 1 SATA hard drive at least 160 GB
- Central USB port located on the side
- EtherNet connection 10/100 MBIT RJ45 (without switch)
- Provision of teleservice
Remote diagnosis possible via Internet. For this is a DSL connection is available to the customer deliver. After the guarantee period is for the Use of the teleservice to conclude a corresponding teleservice contract.

PC85 software:

- PC85 software package with graphical operating programs:
- woodWOP 5.0
for graphic, dialog-oriented creation of CNC programs
- ABDWork:
graphical user interface
- TOOL DATABASE:
with graphical user guidance for managing tool data
- PRODUCTION LISTING SOFTWARE:
to manage and create production lists for the individual production. The production sequence, Target quantities and processing instructions are stored.
- MACHINE DATA COLLECTION:
for recording the number of workpieces produced and monitoring maintenance work
- SOFTWARE PACKAGE FOR THE EXTERNAL PC:
woodWOP 5.0
for graphic, dialog-oriented creation of CNC programs
Copy protection of all software licenses via the HOMAG Group license server.
The product must be activated after installation.
Activation at www.eparts.de

Note: The machine is licensed from Homag Machinery produced in Poland.

The machine's country of origin is Poland.

G.0001 Number: 3802 1 piece

3-SPINDLE, VERTICAL GEAR TYPE ABD

Aggregate for drilling from above

- Drilling gear with individually accessible spindles
- Spindle height: 32 mm
- Adjustment range in Y direction: 0 - 50 mm
(with a max. drill diameter of 20 mm)
- Drill diameter: max. 35 mm

D.01 number: 8321 1 time

DOCUMENTARY AND CONTROL TEXT: GERMAN

Scope of delivery:

1. Operating instructions
consisting of operating and maintenance instructions on DIN A4 paper and CD-ROM
2. Screen operating texts
for machine operators, for POWERCONTROL
3. Spare parts names
consisting of CAD drawings and circuit diagrams on CD-ROM