

Drilling- Dowel Driving Machine  
Weeke ABD 150 – Mno: 0-253-04-3825  
Used machine - year 2010



## **OPTIMAT ABD 150**

NC-CONTROLLED DRILLING AND DOWEL DRINKING 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 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 accessible 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. Data sheet can be found

### **8. power control PC85 (woodWOP 5.0)**

Modern control system

PC85 Hardware:

- PLC control according to international standard IEC 61131
- Operating system Windows XP (US) embedded

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- 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. This requires a DSL connection to be made available to the customer. After the guarantee period is for the Use of the teleservice service requires a corresponding teleservice contract to complete.

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:

for managing and creating production lists for the individual Production. The production sequence, target quantities, Processing instructions are stored.

- MACHINE DATA COLLECTION:

for recording the number of workpieces produced and monitoring the 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](http://www.eparts.de)

Note: The machine is produced under license by Homag Machinery in Poland.

The machine's country of origin is Poland.

G.0001 Number : 3802 1 off

3 SPINDLE VERTICAL DRILLING BLOCK, TYPE ABD

Aggregate for drilling from top

- Drilling block with individually selectable spindles.

- Spindle distance: 32 mm

- Adjusting range in Y-direction: 0-50 mm

(with a max. drilling diameter of 20 mm)

barcode reading system

Service: 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