

CNC Drilling and Dowel Inserting Machine
WEEKE - Typ ABD 150
Used machine - year 2008
M-nr.: 0-253-18-0764



WEEKE Typ Optimat ABD 150 - NC-CONTROLLED

G.00 OPTIMAT ABD 150

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

1. BASIC MACHINE

- Sturdy steel frame construction
- Axis travel in the X, Y, and Z directions
- Ball screw (Y and Z directions) and rack and pinion drive (X direction)
- Digital AC servo motor
- Support table with left and right side stops and rear stop rail
- Center stop pneumatically lowerable, manually controlled via selector switch
- 4 clamping cylinders from above, manually adjustable
- Central lubrication system

2. CE-certified safety and protective devices

- Protective grilles on the sides and rear

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 unit with 3 individually controllable spindles, spindle spacing 32 mm
- 1 doweling tool (at a distance of 32 mm from the first drilling spindle)
- Glue nozzle with adjustable glue quantity
- Glue flow monitoring
- Lubricator for glue nozzle
- Standard dowel dimensions: 8x30 mm / 8x35 mm
- Vibration conveyor for automatic dowel feeding

5. DOCUMENTATION

- Documentation in printed form and on CD-ROM, including spare parts catalog Wiring diagram

6. PAINT

- Paint gray RDS 240 80 05

7. CENTRAL EXTRACTION

- Connection data can be found in the technical documentation. See data sheet

8. power control PC85T

Modern control system based on a Windows PC

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Hardware:

- PLC control according to the international standard IEC 61131
- Windows XP (US) embedded operating system
- PC with at least 2 GHz and 512 MB RAM
- 17-inch TFT flat screen
- 1 hard drive with at least 40 GB
- 3.5-inch floppy disk drive
- CD-RW drive suitable for reading and writing CDs (dust protection warranty not included)
- USB port on the control panel
- Digital drive technology via fiber optic cable
- Decentralized, digital fieldbus system
- 10/100 MBIT RJ45 Ethernet connection (without switch)
- Provision of teleservice (modem)

Includes the general provision of teleservice capability for a machine, including the appropriate modem, as well as the free use of teleservice services during the warranty period. After the warranty period, a corresponding teleservice contract must be concluded to use the teleservice.

- UPS (uninterruptible power supply) protects the computer from damage in the event of a power failure, overload, or short circuit.

In the event of a power failure, the computer shuts down in a controlled manner after one minute, thus preventing data loss.

Software:

- PC85T software package with graphical operating programs:
- woodWOP for graphic, dialog-oriented creation of CNC programs
- Graphical tool database
- Production list management
- CNC operation
- Graphical display of workstations
- Error message in plain text
- Schuler MDE Basic for machine data acquisition
- Software package for external PC:
- woodWOP for graphic, dialog-oriented creation of CNC programs

Note:

The machine is manufactured under license by Homag Machinery in Poland.

The machine's country of origin is Poland.

G.0001 Number: 0102 2 pieces

ADDITIONAL CLAMPING CYLINDER TYPE ABD

Manually adjustable clamping cylinder

D.99 Service: 8321 1 piece

DOCUMENTATION AND CONTROL TEXTS: GERMAN

Scope of delivery:

1. Operating manuals
consisting of operating and maintenance instructions on DIN A4 paper and CD-ROM
 2. On-screen operating texts
for machine operators, for POWERCONTROL
 3. Spare parts descriptions
consisting of CAD drawings and circuit diagrams on CD-ROM
- Delivery time: With machine delivery