

CNC machining center ; used- year 2007
Brand: Weeke Type: BHC 550
Machine number: 0-250-18-0619

G.00 OPTIMAT BHC 550
CNC-controlled machining center for
Manufacture of furniture parts from 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 direction) and rack and pinion drive (X direction)
- Digital AC servo motors
- Designed for the attachment of different equipment variants

2 CE SAFETY AND PROTECTION DEVICE

- Protective grilles in the side and rear areas
- Safety mats in the front area

3 DOCUMENTATION

- Documentation in printed form and on CD-ROM

4 PAINT FINISH - Gray RDS 240 80 05

5 CENTRAL EXTRACTION

6 ELECTRICAL EQUIPMENT

- Control cabinet free-standing
- Take the connection dimensions from the technical data sheet

7 ELECTRONICS

7.1 HARDWARE

- CNC control including drive modules
- PC (Personal Computer) for operator guidance; Windows XP embedded
- 15 inch TFT graphic monitor
- at least 512 MB RAM memory
- at least 40 GB hard disk space (different partitions)
- 3 1/2 inch floppy disk drive
- CD-ROM drive
- USB port on the control panel
- HAND TERMINAL

7.2 SOFTWARE FOR POWER CONTROL SYSTEM

WOODWOP

MACHINE DATA ACQUISITION (MDE)

PRODUCTION LIST

NC SIMULATION AND TIME CALCULATION

SOFTWARE FOR EXTERNAL PC

3D WOOD DESIGN

PROVISION TELESERVICE, MODEM

TOOL CHANGING AUXILIARY DEVICE

UPS (UNINTERRUPTIBLE POWER SUPPLY)

WEEKE quality package

- Energy cable feeds (cable drag) in closed design
- Linear guides in X and Y direction with masking tape (metal)

G.0001 number : 0044 1 piece

CONFIG. V25, H4X/2Y, N1 X-Y 90°, F1-HSK63-9 KW,
W8 REAR, 8 FRONT
V25 HIGH SPEED 7500
Vertical drilling unit with 25 drilling spindles
Direction of rotation: right/left
Speed: 1,500 - 7,500 rpm frequency-controlled

H4X/2Y

Horizontal drilling unit with 6 individually retrievable drilling spindles.
4 drilling spindles: grid 32 mm, 2 each in X-direction
2 drilling spindles: 1 each in Y-direction
Direction of rotation: right/left
Speed: 1,500 - 7,500 rpm frequency-controlled

N1 XY 90°

Grooving saw unit for processing in the X-Y direction can be swiveled by 90°.
Depth of cut: 30 mm

LIQUID-COOLED 12 KW MILLING SPINDLE

(S1 100%)
Tool holder: HSK63
Tool diameter: max. 250 mm
Tool weight: max. 5 kg including holder
Direction of rotation: right / left
Speed: 1,250 - 24,000 rpm infinitely programmable
Drive: frequency-controlled three-phase motor
Power at the tool: max. 12 kW in continuous operation (S1/100%)
Spindle lubrication: grease lubricated for life
Cooling: liquid circulation cooling

UNIT INTERFACE F. MAIN SPINDLE, C AXIS

EXTENSION C-AXIS FOR FLEX-5 UNIT

REAR PLATE CHANGE MAGAZINE, 14 PLACES

Automatic tool change magazine with 14 places.
Arrangement: traveling along on the support in the X-direction

W8 FRONT

Automatic tool change magazine with 8 places.
Arrangement: moving along on the support in the X and Y direction
Magazine places: 8 tool places
Tool weight: max. 4.5 kg total weight
weight including HSK mount, but max. 25 kg
for the entire plate changing magazine
Tool diameter: max. 135 mm for tool diameter
92 mm on the secondary seats.
When fully occupied, all tool places up to
max. d = 114 mm.
Tool unclamping length: max. 90 mm (165 mm from
tool holder contact surface to lower edge of tool)

G.0004 Number : 0108 1 piece

K-TABLE BASIC EQUIPMENT 1300 MM, 6 SUPPORTS

Vacuum clamping system:
1 vacuum generator, rated capacity 100 m3/h
6 workpiece support consoles (1300 mm) infinitely adjustable in the X-
direction
8 rear stops for workpiece widths over 960 mm
6 front stops for workpiece widths up to 960 mm
2 side fences that can be lowered pneumatically
right + left

4 workpiece insertion aids as positioning aids
12 vacuum cups, manual tubeless (114 x 160 x 100 mm)
6 vacuum cups, manual tubeless (125 x 75 x 100 mm)
1 vacuum connection for stencils on the
right and left machine side

LED POSITIONING SYSTEM F. 6 WORKPIECE SUPPORTS

Optical LED display system for manual positioning
of vacuum clamping elements.

VENEER AUXILIARY STOPS FOR TOP LAYER PROJECTION

FLEX-5 SAW, MILLING, DRILLING UNIT FOR WZW

- to the auto. Changing to the main spindle
- for sawing, milling or drilling operations
- autom.swivel unit in the A-axis
- the A-axis is adjusted via the C-axis
- the positioning takes place at rest, not during machining
- Swivel range A-axis +/-100 degrees for shank tools
- Swivel range A-axis +/- 90 degrees for saw blades
- Maximum speed 12,000 rpm.
- Tool interfaces:
- 1 collet holder ER 25 DIN 6499 for shank tools
up to 16 mm in diameter
- Standard collet diam. 10mm
- Tool usable length max. 78 mm for tools
up to a diameter of 20 mm
- receiving flange diam. 40 mm for saw blades
- 8 pcs countersunk screws M5
- TK diam. 52mm RL
- Saw blade diameter max. 240 mm (cutting depth 50 mm)
- without tools

HSK63 LOCK CASE D=16 MM, M. BLOW DOWN, 2 SP.

2 spindles
for automatic changing into the main spindle.
With 2 spindles for milling lock cases
and forend horizontal, e.g. B. with room doors
Direction of rotation: right/left
Speed: max. 12,000 rpm. programmable

PROTECTIVE MESH DOOR ON THE LEFT SIDE OF THE MACHINE

ETHERNET CONNECTION 10/100 MBIT FOR MACHINE,
RJ45 (WITHOUT SWITCH)

SOFTWARE FUNCTION, PUSHING A PROGRAM

CONTROL CABINET POSITION LEFT MACHINE SIDE

The control cabinet is on the left side of the machine
positioned.

25 pieces MANUAL QUICK CHANGE SYSTEM PER DRILL SPINDLE
(AVAILABLE INDIVIDUALLY)

25 PIECE ADJUSTING SCREWS FOR QUICK CHANGE SYSTEM,

DOCUMENTATION AND CONTROL TEXTS: GERMAN

Scope of delivery:

1. Operating Instructions
2. On-screen operating texts
3. Spare part designations