

**Weeke CNC-machining center
used machine - year 2007
machine number: 0-250-18-0656
Type: Optimat BHC VENTURE 5M**

CNC-controlled machining center for the production of furniture parts made of wood or wood-like materials.

BASIC MACHINE

- stable steel frame construction

GUIDANCE SYSTEM AND DRIVE TECHNOLOGY

- Dust-protected linear guide system
- Rack and pinion drive in the X direction as well as the recirculating ball screw in the Y and Z directions

Traverse paths of the axes:

X = 3850 mm Y = 2015 mm Z1 = 525 mm Z2 = 250 mm

CONSOLE TABLE WITH DIODE RIBBON

- Light-emitting diodes (LEDs) in a grid of 5 mm show the programmed ones
X and Y position of the workpiece supports and the clamping elements

Work table:

X = 3250 mm (length) Y = 1250 mm (width) Z = 150 mm (thickness)

6 workpiece supports that can be continuously positioned in the X direction,

1 diode light band for positioning the workpiece supports in the X direction

6 diode light strips for positioning the clamping elements in the Y-direction

8 rear stops

6 front stops

2 pneumatically lowerable side fence rulers (right / left)

4 controllable plastic positioning aids for heavy workpieces

12 vacuum cups, manual, hose-free, freely positionable 114x160x100 mm (L / W / H)

6 vacuum suction cups, manual, tubeless, freely positionable 125x75x100 mm (L / W / H)

1 vacuum connection for templates for the right and left work area

1 vacuum generator, nominal output 100 m³ / h

1 Preparation for retrofitting two pneumatic supply units for pneumatic clamping elements

4. CONFIGURATION

V25, H4X / 2Y, N1 X-Y 90 °, F1-HSK63-15 KW,

C-AXIS, W14 REAR, W8 FRONT

V25 HIGH SPEED 7500

including quick change system and spindle clamp

Vertical drilling unit (individually controllable with variable speed range).

Direction of rotation: right / left

Speed: 1,500 - 7,500 rpm, frequency controlled

Drill holder: d = 10 mm for quick change system

Spindle distance: 32 mm

H4X / 2Y

Horizontal drilling unit with 6 drilling spindles that can be called up individually via a program.

4 drilling spindles: grid 32 mm, 2 each in X-direction

2 drilling spindles: 1 each in Y-direction

N1 X-Y 90 °

Grooving saw unit for machining in the X-Y direction can be swiveled 90 °.

Depth of cut: 30 mm; Tool diameter: 125 mm

F1-HSK63-15 KW (overhauled / newly stored)

Automatic tool change spindle in combination with tool change magazine.

Direction of rotation: right / left

Speed: 1,250 - 24,000 rpm, continuously programmable

Cooling: liquid circulation cooling

C-AXIS AGGREGATE INTERFACE

(360 degree interpolation axis)

To accommodate the adapter units including the pneumatic interface and infinitely variable swivel range of 360 °.
C-AXIS SUITABLE FOR RETROFITTING A FLEX-5 UNIT

W14 REAR

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

W8 FRONT

Automatic tool change magazine with 8 places.
Arrangement: traveling with the support in X and Y directions

TOOL CHANGING AUXILIARY DEVICE

Auxiliary device for automatic loading of the tool changer.

Modern control system based on Windows PC: power control PC85T

- 17 inch TFT flat screen
- 1 hard disk at least 40 GByte
- 3 1/2 inch floppy disk drive
- CD-RW drive
- USB port on the control panel
- UPS (uninterruptible power supply)
- Control terminal with potentiometer and emergency stop switch.
- PC85T CNC core with:
- Path control in all axes and parallel processes through multi-channel technology
- PC85T software package with graphic operating programs:
- woodWOP for the graphic, dialog-oriented creation of CNC programs
- Version 5.0

CE SAFETY AND PROTECTIVE DEVICE

- Protective grille in the side and rear area
- Three-part safety mat in the front area

WEEKE quality package

- Energy cable feeds in a closed design
- Linear guides in X and Y directions with cover tape

N.01 number: 1573 1 piece

FLEX-5 SAW, MILL, DRILL UNIT F. WZW

- to autom. Change into the main spindle
- for sawing, milling or drilling
- Automatically swiveling unit in the A-axis
- The A-axis is adjusted via the C-axis
- the positioning takes place in the rest position, not while editing
- A-axis swivel range 0 to +100 degrees for shaft tools
- A-axis swivel range 0 to + 90 degrees for saw blades
- Speed max. 12,000 rpm.
- Tool interfaces:
- 1 collet chuck ER 25 DIN 6499 for Shank tools up to 16 mm in diameter
- Standard collet diam. 10 mm
- Usable tool length max. 78 mm for tools up to a diameter of 20 mm
- Mounting flange diam. 40 mm for saw blades
- 8 countersunk screws M5
- TK dia. 52 mm backlash
- Saw blade diameter max. 240 mm (cutting depth 50 mm)
- without tools

DOCU. AND CONTROL TEXT: GERMAN

Operating instructions, screen operating texts, spare part names

Delivery of the machine only tools and tool holders!