

CNC Weeke
Used machine, year. 2013
BHC300/VENTURE3M
Machine number: 0-250-09-2388

CNC-controlled processing center for the production of Furniture parts made of wood or wood-like materials.

BASIC MACHINE

- stable steel frame construction
- Movement of the axes in X, Y and Z

PROGRAM-CONTROLLED EXHAUST NOZZLE

The main connecting piece is connected via a cylinder program-controlled to the processing unit assigned.

GUIDANCE SYSTEM AND DRIVE TECHNOLOGY

- dust-proof linear guide system
 - Rack and pinion drive in the X direction as well
- Ball screw in Y and Z direction
Traversing paths of the axes:
X = 3860mm Y = 1822mm
Z1= 325mm Z2= 185mm
- Digital drive system in X, Y and Z direction

AUTOMATIC CENTRAL LUBRICATION (X)

For the X linear guide shoes and the X rack
The Y and Z axis components become
lubricated manually

CONSOLE TABLE WITH DIODE LIGHT STRIP (LED)

- Hose-free vacuum clamping system for clamping plate materials
- Light-emitting diodes (LED's) in a grid of 5 mm show the programmed X and Y position of the workpiece supports and the clamping elements

work table:

X = 3250mm (length) Y = 1250mm (width) Z = 125mm (thickness)
6 workpiece supports that can be positioned steplessly in the X direction
1 diode light strip for the workpiece supports in the X direction
6 diode light strips for positioning the clamping elements in the Y 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, one on the right and one on the left
4 folding stops to be mounted manually if the top layer protrudes
4 folding stops to be mounted manually for the stop rulers
4 controllable plastic positioning aids
for heavy workpieces. Console 1, 3, 4, 6
12 vacuum cups, 114x160x100 mm (L/W/H)
6 vacuum cups, 125x75x100 mm (L/W/H)
1 vacuum connection for stencils, each on the right and left
1 vacuum generator with a total capacity of
70/84 m³/h, 50/60 Hz
Another vacuum pump included!

4. CONFIGURATION

V19, H4X/2Y, N1 X-Y 90°, F1-HSK63-9 KW,

C AXIS, W14 REAR

V19 HIGH SPEED 7500

H4X/2Y

N1 XY 90°

F1-HSK63-9KW

Automatic tool change spindle

Direction of rotation: right/left

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

Drive: frequency-controlled three-phase motor

max. power at the tool: up to 7.5 / 9 kW

Spindle lubrication: grease lubricated for life

Cooling: air

Bearing: hybrid bearing (ceramic),

C-AXIS UNIT INTERFACE

(360 degree interpolation axis)

To accommodate the adapter units including pneumatic

Interface and infinitely variable swivel range.

Torque transfer: for 3-point support

W14 REAR

Automatic tool change magazine with 14 places.

Arrangement: traveling along on the support in the X-direction

TOOL CHANGING AUXILIARY DEVICE

powerControl

Modern control system

powerControl Hardware:

- PLC control according to international standard IEC 61131
- Operating system Windows XP (US) embedded
- IntelCore 2 Duo processor
- 17 inch TFT flat screen

powerControl Software:

- powerControl CNC core with:
- Path control in all axes and parallel processes
- Look-ahead function for optimal speeds at the transitions
- Dynamic pre-control for the most precise contour accuracy
- powerControl software package with graphic operating programs:
- woodWOP
- TOOL DATABASE:
- PRODUCTION LIST SOFTWARE:
- MACHINE DATA COLLECTION:
- SLIDING SOFTWARE FUNCTION:
- OPTIMIZATION OF SPACE OCCUPANCY
- 3D NC SIMULATION AND TIME CALCULATION
- SOFTWARE PACKAGE FOR THE EXTERNAL PC:

CE SAFETY AND PROTECTION DEVICE

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

WEEKE quality package

ENERGY SAVING FUNCTION

DOCUMENTATION - DOCUMENTATION AND CONTROL TEXTS: GERMAN

EXTENSION C-AXIS FOR FLEX5 UNIT

Adapter unit Flex 5 included!