

CNC machining center Weeke  
Type: Profi BMG211/32/15/K  
Used machine - year 2012



## **PROFI BMG211/32/15/K**

modification

CNC-controlled machining center in mobile portal design,  
for milling and drilling workpieces  
made of wood or wood-like materials.

**BASIC MACHINE**

- Machine base frame in a stable mobile portal design
- Mobile gantry moveable in X-direction
- Cross support can be moved in Y and Z direction
- Gray paintwork RDS 240 80 05
- Direct extraction of the processing units

**PROGRAM-CONTROLLED EXHAUST NOZZLE**

**GUIDANCE SYSTEM AND DRIVE TECHNOLOGY**

- dust-proof linear guide system
- X-direction: rack and pinion drive with servo drive
- Y-direction: rack and pinion drive with servo drive
- Z-direction: ball screw with servo drive

Vector speed X/Y = 110 m/min Z = 20 m/min

**AUTOMATIC CENTRAL LUBRICATION (X)**

## **CONSOLE TABLE**

work table:

X = 3250mm (length)

Y = 1600 mm (workpiece passage)

Z = 125mm (thickness)

225 mm (passage height without vacuum cup)

6 workpiece supports (1500 mm) that can be positioned steplessly  
in the X direction

Suitable for holding the vacuum cups that can be positioned without hoses.

8 longitudinal stops that can be lowered pneumatically

6 longitudinal stops that can be lowered pneumatically

1 pneumatically lowerable side stop system 'PURE STOP' for each  
the right and left working field including electr. end position query

4 folding stops to be mounted manually f

8 folding stops to be mounted manually

4 controllable positioning aids made of HPL for heavy workpieces.

**18 vacuum cups**, manual, freely positionable without hoses

114x160x100 mm (L/W/H)

**6 vacuum cups**, manual, freely positionable without hoses

125x75x100 mm (L/W/H)

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

1 vacuum generator with a total capacity of 70/84 m<sup>3</sup>/h, 50/60 Hz

**TOOL CHANGING AUXILIARY DEVICE**

Auxiliary device for the automatic loading of the tool changer.

5. 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
- 1 SATA hard disk at least 160 GB
- Central USB port on the control panel
- EtherNet connection 10/100 MBIT RJ45 (without switch)
- Provision of TeleserviceNet Soft
- UPS for the PC (uninterruptible power supply)
- Operating terminal with potentiometer and emergency stop switch.

power control software

- powerControl software package with graphic operating programs:

CNC machining center Weeke  
Type: Profi BMG211/32/15/K  
Used machine - year 2012



- 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

- traveling partial encapsulation for the processing units,
- Rear safety barrier, left and right with safety door
- Three-part safety mat in the front area
- EC conformity (CE)

WEEKE quality package  
ENERGY SAVING FUNCTION

CONFIG. P1=F1-HSK63-9KW, P2=V21, H6X/4Y,  
N1 X-Y 90°, W14 BACK, W8 SIDE

#### **F1-HSK63-9KW**

##### **SURCHARGE MILLING SPINDLE 10/12 KW (S1/S6-50%)**

Note: Only in connection with an air-cooled milling spindle.  
Automatic tool change spindle in combination  
with tool change magazine.

Tool holder: HSK63

Tool infeed: automatic

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 in continuous /

Intermittent duty (S1/S6-50%)

Spindle lubrication: grease lubricated for life

Cooling: air

Suction: central

#### **V21 HIGH SPEED 7500**

including quick-change system and spindle clamp

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

#### **H6X/4Y**

Horizontal drilling unit with 10 above program  
individually retrievable drilling spindles.

6 drilling spindles: grid 32 mm

3 each in X-direction

3 drilling spindles: 2 each in Y-direction

#### **N1 XY 90°**

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

#### **W14 REAR**

Automatic tool change magazine with 14 places.

#### **W8 SIDE**

##### **SURCHARGE PLATE CHANGE MAGAZINE SIDE FIXED MOUNTED, 14 PLACES**

Note: The side mounted linear tool changing system  
deleted and replaced by:

Automatic tool change magazine with 14 places.

BASIC MACHINE EXPANSION (420/315) BMG 200 SERIES  
consisting of:  
Mechanical expansion of the Z-axes.

#### **SURCHARGE K TABLE WITH LED SYSTEM, 3250 MM**

CNC machining center Weeke  
Type: Profi BMG211/32/15/K  
Used machine - year 2012



1 diode light strip for positioning the workpiece supports in the X direction  
6 diode light strips for positioning the clamping elements in the Y direction

**AGGREGATE INTERFACE F. MAIN SPINDLE,C AXIS**

EXTENSION TENSION SYSTEM FOR SOLID WOOD COMPONENTS

DOCUMENTATION AND CONTROL TEXTS: GERMAN

Scope of delivery:

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