

Table Type Boring and Milling Machine

UNION WEMA GERA BFKF 110



Sorry the machine has been sold already!

stock-no.:	0200733
type of machine:	Table Type Boring and Milling Machine
make:	UNION WEMA GERA
type:	BFKF 110
year of manufacture:	GÜ 2018
type of control:	CNC
country of origin:	Germany
storage location:	Leipzig 5
delivery time:	by agreement
freight basis:	EXW, free on truck
price:	on request



technical details

spindle diameter:	110 mm
x-travel:	2090 mm
y-travel:	1245 mm
z-travel:	875 mm
w-axis:	Bohrspindel /drill spindle 0-635 mm
B-axis (table):	360° mit 0,02° Teilg. mm
control:	Heidenhain TNC 320
tool taper:	ISO 50
table surface area:	1250 x 1600 mm
table load:	8,0 (8000kp) t
number of revolutions per minute of drill spindle::	5...2000 U/min
feed continuous:	siehe Anlagen Text
electrics - voltage/frequency:	380/50 V/Hz
total power requirement:	90 kW
weight of the machine ca.:	23 t
line-by-line feed:	

additional information

- Machine has been overhauled and retrofitted.
Table Type Boring and Milling Machine horizontal
- rpm stepless
 - drill spindle/ milling spindle: in 4 ranges each 5 - 2000rpm
 - feed y/z axis: stepless with 1 - 9999 mm/min
 - quick rapid adjustment x/y/z/w-axis ...10 000mm/min
 - biggest drill, which can be drilled out 400mm
 - main spindle: tool taper with SK 50
 - with ball screws spindles
 - optional with palett changer
 - copy of documentation available

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Work performed:

- renewal of the guideways of X- and Y-axis, including new roller bearings
- cleaned ballscrews, checked and regreased
- worked up machine feet and painted
- renewal of the control cabinets and machine wiring
- renewal of the control and drive systems (Heidenhain TNC320)
- installed new hydraulic unit
- switching- and compensating cylinder were regenerated (disassembled, cleaned, resealed, verified)
- renewal of the bubble memory and piping for the compensating cylinder
- renewal of the hydraulic filter
- installed safety shut off block for bubble memory
- renewal of the hydraulic clamping (brake linings and hydraulic hoses) of the B-axis
- retrofitting a pneumatic unit for the travel measuring system (prevents contamination of sensors)
- replacement of all hydraulic hoses according to standard DIN 20 066
- new travel measuring systems for X, Z, Y, B and W-axis
- machine has been repainted
- guideway covers has been worked up
- created an electrical diagram and hydraulic diagram
- replacement of the wipers for the guideway covers

Planned work:

- programming the spindle parameters
- programming of the control system
- programming of end positions