

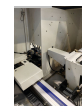
MONNIER & ZAHNER

KOEPPER MZ 120

Stock no. :1022-2344

MACHINE-DATA

Machinetype	: Gear Hobbing Machine - Horizontal
Make	: MONNIER & ZAHNER
Type	: KOEPPER MZ 120
Year	: 2006
Control type	: CNC
Control	: Fanuc 18i-MB
Storage location	: Hilden
Origin	: Switzerland
Delivery time	: Immediately
Quotation	: Ex warehouse, loaded on truck
Price	: on request



TECHNICAL DATA

max. wheel diameter	2-45 mm
gear width	250 mm
max. module	1,5 mm
min. module	0,5 mm
Control	Fanuc 18i-MB
weight of the machine ca.	2,2 t

TECHNICAL DESCRIPTION

The combined CNC gear hobbing and worm milling machine Koepfer MZ 120 is characterized by its flexible usability and is used in the small module area.

Just by swiveling the milling spindle from the horizontal to the vertical position and by selecting the corresponding operating mode of the CNC control, the worm milling machine becomes a gear hobbing machine and vice versa.

Technical data:

CNC control Fanuc 18i-MB

Programming Dialog/ISO



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Milling cycles:

- *straight, helical, crowned gearing*
- *radial, radial-axial, climb and conventional milling, roughing, finishing*
- *worm wheels, straight-toothed bevel wheels, face gearing (option: only in partial process)*

workpiece diameter 2-45 mm
maximum workpiece length 250 mm
maximum toothing length 150 mm
maximum module in steel 1 mm (gear hobbing)
maximum module in steel 1.5 mm (worm milling)
maximum module in steel 0.5 mm (bevel gear hobbing)
milling cutter diameter 16-32 mm (gear hobbing)
milling cutter diameter 40-63 mm (worm milling)
maximum setting angle of milling head +/-45 deg. (Rolling)
Maximum setting angle of milling head +/-30 deg. (worm milling)
Shift travel 34 mm (CNC axis)
Collet / retraction mandrel W20
Maximum speed of the workpiece spindle 770 rpm.
Milling spindle drive 0.55 kW
Maximum speed of the milling spindle 8000 rpm.
CNC axis drives:
X-axis = plunge travel 80 mm
Z-axis = longitudinal feed travel 190 mm
C-axis = workpiece axis 360 deg.
Rapid traverse X/Z 6 m/min.
Hydraulic unit 0.37 kW
Machine weight approx. 2200 kg
Dimensions 2100 x 1440 x 1700 (LxWxH)

Options:

CNC shift axis 34 mm
Adjustment angle with CNC axis
Deburring device
Accessories: spiral conveyor

VIDEO-LINKS

Video No.1 : <https://www.youtube.com/embed/hUvL4rfG100>

Gear Hobbing Machine - Horizontal



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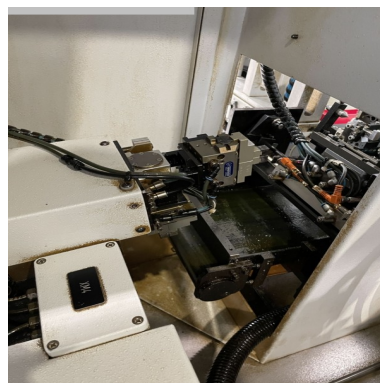
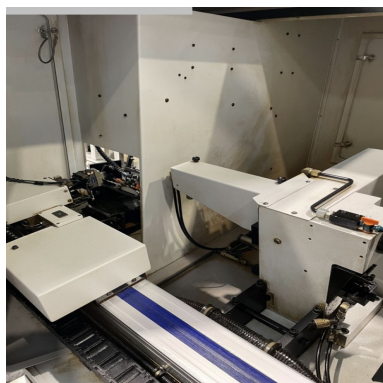
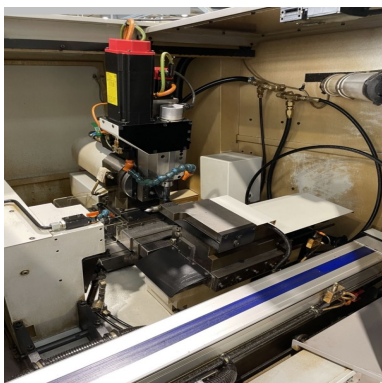
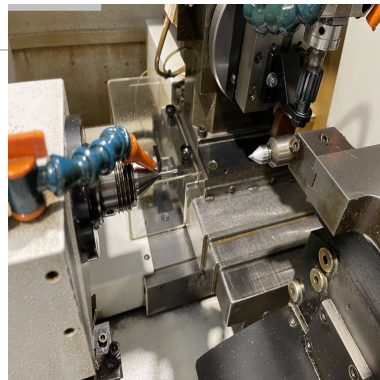
WEB-LINK

<http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-2344>

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Technical details and information subject to amendments and errors.

Knops Werkzeugmaschinen GmbH & Co. KG

An der Spielbank 4 · 40789 Monheim Fon: 02173 - 39494-0 · maschinen@knops.de · www.knops.de

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