



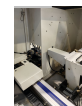
## MONNIER & ZAHNER

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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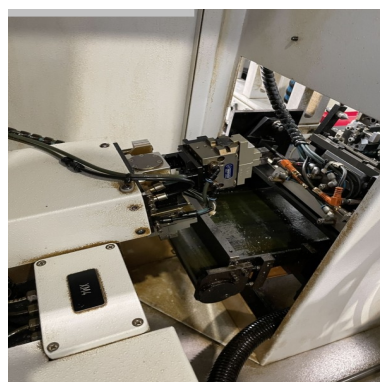
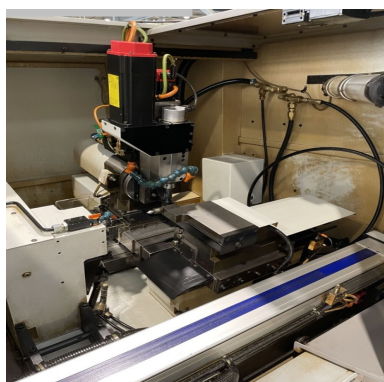
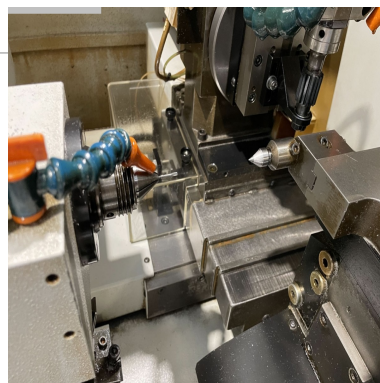
## WEB-LINK

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

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Stock no. :1022-2344



Technical details and information subject to amendments and errors.

**Knops Werkzeugmaschinen GmbH & Co. KG**

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