OptoTech

WZM 20 CNC

CNC-Controlled Centering Machine with Exchangeable Spindles for Processing Micro-Optics or Rod Lenses

The WZM 20 CNC is a compact and easy to operate centering machine for components mounted onto exchangeable runners. Especially suited for super micro-optics and endoscopes.

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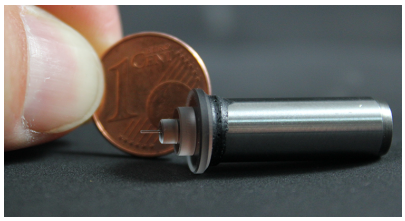
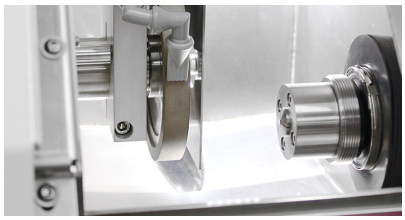
Technical data

	WZM 20 CNC
Application	CNC-Controlled Centering Machine for Processing Micro-Optics or Rod Lenses
Working Range Diameter	0.5 mm - 20 mm
Amount of Axes	2 (X, Z)
Clamping Technology	Optics blocked on exchangeable runners
Control	Beckhoff TwinCat3
Tool Spindle	Travel: 35 mm; Speed: 0 - 4800 rpm, infinitely variable; Drive: AC Servo Drive; Interface: Flange (clamping taper Ø20mm)
Workpiece Spindle	Travel: 29.5 mm; Speed: 2 - 60 rpm, infinitely variable
Air Pressure Requirement	6 bar
Power Requirement (others on request)	1.5 kW / 400 V / 50 Hz
Dimensions	Width: 1000 mm, Height: 1500 mm, Depth: 750 mm
Weight (approx.)	300 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





Highlights

- Exchangeable spindles for processing micro-optics or rod lenses
- Table machine version
- 2 CNC Axes (X, Y)
- The WZM 20 CNC ideally fits to the new OptoTech micro-optics manufacturing concept
- Grinding Process: Diameter of lens with chamfering upper /lower with forming centering wheel, individual feed rates and spindle speed
- Beckhoff TwinCat3 Controller with 15,4" Touchscreen and Microsoft Windows System Software

System advantages

- The WZM 20 CNC ideally fits to the new OptoTech micro optics manufacturing concept
- Cost efficient
- Rigid machine base made of granite for highest precision

Options

- Automated handling availanle (SR 20)
- Measuring device for workpiece position recognition
- Various workpiece spindle options available:
  - Spindle with hydro expansion chuck HD12
  - Spindle for precision carrier (PETK)
  - Spindle with collet chuck
  - Individual adaptation on existing concept or solution by OptoTech

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Valid: 25.07.2024, subject to change without notice

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