



# OptoTech

## DZM 20 CNC

CNC Controlled Centering Machine for Edge Processing of Lenses, Rods and many more



The DZM 20 CNC is a compact and easy to operate CNC controlled centering machine especially suited for super micro optics and endoscopes. Clamping of the lenses using clamping bells or HD 12 runners.

**Smart Solutions for Professionals**



Type	DZM 20 CNC
Working Range Diameter	Ø 0.5 to 20 mm
Working Range Centering Wheel	Ø 120 mm
Clamping Technology	bell clamping mode or HD12 runners (HD6 adaptor available)
Axes	3, with 2 CNC-Axes (X, Z)
Tool Spindle Drive	AC Servo Drive
Tool Spindle Speed	0 - 4800 rpm, infinitely variable
Tool Spindle Connection	Flange (clamping mandrel Ø20mm)
Tool Spindle Travel	35 mm
Workpiece Spindle Speed	0 - 250 rpm, infinitely variable
Workpiece Spindle Travel	40 mm
Power Requirement	approx. 2.1 kVA
Air Pressure Requirement	min. 5 bar
Voltage	400V/50Hz (others on request)
Mass	380 Kg
Dimensions (W x D x H)	930 x 740 x 1450 mm



- CNC controlled centering machine for edge processing of lenses, rods and many more
- Clamping of the lenses in bell clamping mode or using clamping bells or HD12 runners
- Grinding processes:
  - Beveling of the OD using form tool
  - Any angle or radius bevel possible with 90° or non-shaped tool
  - Contour bevel possible by using the tool edge
  - Chamfer with form wheels in oscillation mode
  - Grinding of steps
- 3-axis version: 2 CNC axes (X-Z axis) for moving the cross slide with grinding wheel, 1 axis for center thickness measurement and compensation (clamping spindle)
- Horizontal axis arrangement
- Working chamber with automatic door, intended for manual and automated loading
- Beckhoff CNC controller, based on Microsoft Windows with 10" touchscreen

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