



OptoTech

ZPM 300+ NC

NC-Controlled Cylinder Fine Grinding or Polishing Machine



The ZPM 300+ NC is a NC-controlled polishing machine for cylinder lenses with large radii. Due to the convenient design in combination with kinematics optimized for cylinder lenses the machine is a high-tech tool for a high technological market.



Technical Data

	ZPM 300+ NC
Working Range Diameter Cylinder	0 mm - 250 mm
Working Range Length Cylinder	0 mm - 400 mm
Oscillation Frequency	0 - 30/min (Oscillation travel $\pm 50 - 210$ mm); 0 - 90/min (Oscillation travel $0 < \pm 50$ mm)
Oscillation Movement	0 – ± 210 mm
Polishing Time	0 - 90 min
Tool Spindle	Speed: 50 – 300 rpm; Interface: Center sleeve
Working Pressure	Weights
Power Requirement (others on request)	2 kW
Dimensions	Width: 1050 mm, Height: 1600 mm, Depth: 750 mm
Weight (approx.)	250 kg



Highlights

- Ideal kinematics for processing cylindrical surfaces with small radius of curvature
- Variable spindle speeds
- Simple to setup, easy to maintain
- Universal usability
- Infinitely variable workpiece speed, excentric movement, excentric frequency and zero offset via NC-controller
- Data Input: Stroke and oscillation frequency for X and Y axis, working time, zero offset
- Due to the simple NC controller it is possible to save parameters as well as the program kinematics
- Working pressure adjustable by sliding weights