



OptoTech

# PPM 80 NC

NC-Controlled Polishing Machine for High Precision Finest Grinding and Polishing of High Aperture Optics

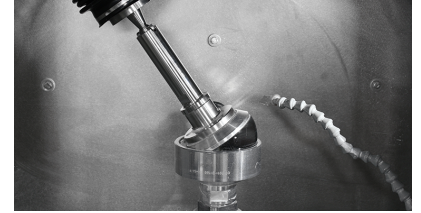


The high aperture polishing machine PPM 80 NC is the ideal solution for high precision finest grinding and polishing of high aperture optics. The simple and efficient kinematics guarantee highest quality.



## Technical Data

	PPM 80 NC
Application	High Aperture NC-Controlled Polishing Machine
Working Range Angle	85 ° - 175 °
Working Range Diameter	0 mm - 160 mm
Oscillation - Amplitude	0° - ± 50°, infinitely variable
Oscillation - Drive	Servo Motor with Ball Screw Spindle
Oscillation - Frequency	0 - 10 strokes/min at 0° - ± 50°; variable
Tool Spindle	Speed: 0 - 80 rpm, infinitely variable; Drive: Servo Motor with Belt Drive; Interface: Ø 18 mm ball with cross pin Ø 8 mm
Workpiece Spindle	Speed: 0 - 800 rpm, infinitely variable; Drive: Servo Motor with Belt Drive; Interface: M27 DIN 58725, optional HD 25
Air Pressure Requirement	6 bar
Power Requirement (others on request)	10 kW / 400 V / 50/60 Hz
Dimensions	Width: 1400 mm, Height: 2200 mm, Depth: 1450 mm
Weight (approx.)	1200 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.



## Highlights

- NC-Controlled polishing machine. Up to 99 programs can be saved.
- Polishing of optics with high angle of aperture >85° using Ball Pin Technology
- Ideal kinematics for these difficult geometries
- Highly flexible (for prototyping)
- Adjustable pneumatic working pressure
- Cycle time adjustable from 0 to 9999 sec

## System Advantages

- Innovative, intelligent technologies for polishing are available without the expense of CNC
- Developed for polishing high aperture optics > 85°, and ideal kinematics for these difficult geometries
- Highly flexible and can be used for smaller production runs as well as prototyping