



OptoTech

SPO 30 CNC

Low-Priced CNC-Controlled Polishing Machine for Optics up to Ø 30 mm



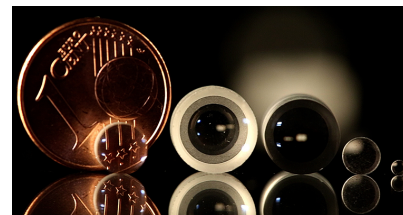
The OptoTech polishing machine SPO 30 CNC is the ideal low cost version of a high speed CNC polisher. The universal working range and the easy usage combined with up to date polishing technology offers a contemporary alternative to our long proven SPO 30. The price-performance-ratio of this machine will elate you.



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Technical Data

SPO 30 CNC	
Application	Low Cost CNC-Controlled High Speed Polishing Machine for Micro Optics
Working Range Diameter	2 mm - 30 mm
Working Range Radius	+/- 5 mm to plano
Control	Siemens Sinumerik 840D Solution Line
Dressing Spindle	Speed: 100 - 5000 rpm, infinitely variable; Interface: Flange
Tool Spindle	Speed: 30 - 2500 rpm, infinitely variable; Interface: HD 12
Workpiece Spindle	Speed: 30 - 2500 rpm, infinitely variable; Interface: HD 12
Vacuum	-0.7 bar
Air Pressure Requirement	6 bar
Power Requirement (others on request)	5 kW / 400 V / 50 Hz
Dimensions	Width: 1000 mm, Height: 1800 mm, Depth: 1250 mm
Weight (approx.)	800 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





Highlights

- Low-Priced CNC-controlled polishing machine with oscillation movement of the polishing tool around the lens center
- 3-spindle version (workpiece spindle, dressing spindle, tool spindle)
- CNC-controlled oscillation movement in radii center
- Integrated polishing tool correction technology OCT (OptoTech Correction Technology)
- OptoTech user interface, Microsoft Windows
- Input of all parameters via dialogue menu

System Advantages

- Low-Priced CNC-controlled polishing machine
- Ideal for supermicro and endoscopy optics
- Energy-efficient motors: Possible energy savings up to 30% (depending on required power)

Performance Characteristics

Standard cycles:

- Polishing in SynchroSpeed mode
- Dressing of polishing tools
- Other technologies available on request

Options

- Exhaust filter system for mist collection
- Polishing tank