OptoTech

SPK 80 CNC

CNC-Controlled Polisher for a Wide Range of Optical Components

The polishing machine SPK 80 CNC is an all-round high-end machine for high precision polishing of a wide spectra of optical components. The SPK 80 CNC is the perfect complement to our SM 80 CNC TC grinding machine, delivering a balanced cycle time for grinding and polishing.

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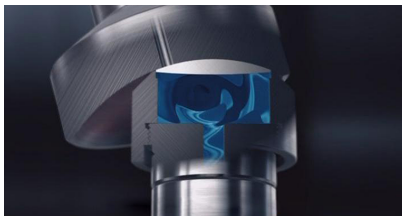
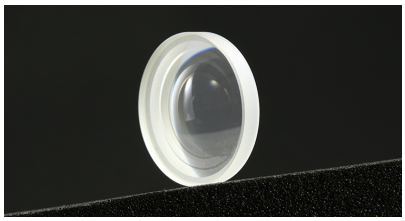
Technical Data

	SPK 80 CNC
Application	Polishing Machine for a Wide Range of Applications
Working Range Diameter	15 mm - 80 mm
Travel B	-75 ° - 75 °
Travel X	0 mm - 230 mm
Travel Y	-2.5 mm - 2.5 mm
Travel Z	0 mm - 110 mm
Amount of Axes	4 (X, Y, Z, B)
Control	Siemens Sinumerik One
Tool Spindle	Speed: 0 - 3000 rpm; Drive: Motor spindle direct drive; Interface: HD 25
Workpiece Spindle	Speed: 0 - 2000 rpm; Drive: AC servo driven; Interface: HD 25
Vacuum	-0.7 bar
Air Pressure Requirement	5 bar
Power Requirement (others on request)	7 kW / 400 V / 50/60 Hz
Dimensions	Width: 1500 mm, Height: 2020 mm, Depth: 1350 mm
Weight (approx.)	2000 kg; without loader
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





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Highlights

- Versatile machine for polishing, equipped with tools for polishing or for ultra-fine grinding using pellet tools
- 3 spindle machine with integrated dressing tool spindle
- CNC-controlled Y-axis for cross-grinding adjustment during the dressing process
- Pivoting Angle -90° to 75°
- Coolant control
- Preparation for filter exhausting device
- Siemens Sinumerik One controller with OptoTech user interface

Performance Characteristics

Technologies:

- AST (Advanced Setup Technology, aka: Touch Setting)
- Multi-Tool-Concept
- Polishing of optical components
- HydroSpeed Polishing for optimal polishing results and polishing without protective paint
- Ball pin procesing for high aperture optics

Options

- Remote diagnostics
- Polishing tanks and chiller for polishing tanks
- Filter exhausting device
- Vacuum device
- Adjustable vacuum unit
- Integrated drive cooling

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