



OptoTech

SP 6.3 NC

NC-controlled Fine Grinding and Polishing Machine for Micro and Endoscope Optics

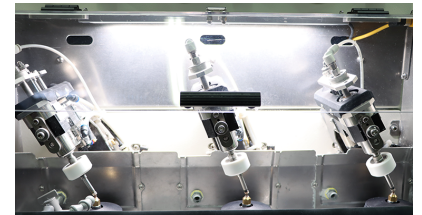
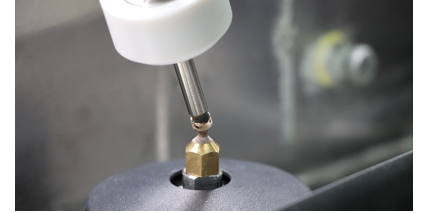


The new SP 6.3 NC is an NC-controlled fine grinding and polishing machine that is specially designed for single lens production or on multiple spot blocks with high aperture in the field of micro and endoscope optics. 3 independent work spindles offer a high degree of flexibility and productivity.



Technical Data

	SP 6.3 NC
Working Range Aperture (Spot Block)	80 ° - 175 °
Working Range Aperture (Workpiece)	80 ° - 150 °
Working Range Radius	0 mm - 10 mm
Oscillation	Amplitude: +5° to -46°
Stroke (Upper Spindle)	20 mm pneumatically, adjustable stop
Tool Spindle	Speed: 10 - 2000 rpm, infinitely variable; Interface: Thread M5 DIN 58725
Workpiece Spindle	Speed: 0 - 1000 rpm, infinitely variable; Interface: Thread M5 DIN 58725
Air Pressure Requirement	5 bar
Power Requirement (others on request)	2 kW
Dimensions	Width: 735 mm, Height: 1650 mm, Depth: 730 mm
Weight (approx.)	250 kg



Highlights

- NC-controlled fine grinding and polishing of spherical lenses in single lens production or on multiple spot blocks
- 3 independent work spindles offer a high degree of flexibility and productivity
- Minimal cycle time. Small space requirements due to compact design. Standing and sitting operation possible.
- Precise and repeatable production due to ideal machine kinematics with swivel movement around the center of the radius of the workpiece
- Pitch polishing or foil technology possible
- Extendable, swiveling and height adjustable control panel

System Advantages

- Ideal for the production of rod lenses, microscope and endoscope lenses
- Economical production of even small batches due to short and easy set-up

Options

- Pitch polishing or foil technology possible
- Tools
- Clamping systems
- Coolant and polishing tanks