



OptoTech

SPX 80 NC

NC-Controlled Polishing Machine



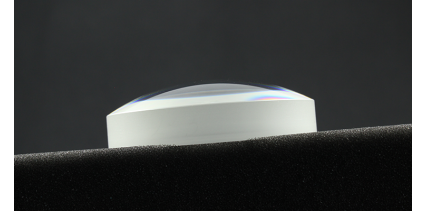
The OptoTech polishing machine SPX 80 NC is an ideal polisher for low as well as high aperture optics up to diameter 80 mm. The simple and efficient kinematics of this machine assures highest quality.



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Technical Data

	SPX 80 NC
Application	NC-Controlled Polishing Machine
Working Range Diameter	10 mm - 80 mm
Working Range Radius (With Oscillation)	± 10 - 80 mm
Working Range Radius (Without Oscillation)	+ 10 mm - ∞
Oscillation	Drive: Servo Motor with Ball Screw Spindle; Swivel: 0° - $\pm 50^\circ$, infinitely variable
Tool Spindle	Speed: 0 - 2000 rpm, infinitely variable Drive: Servo Motor with Belt Drive Interface: M27 thread DIN 58725. Others on request
Workpiece Spindle	Speed: 0 - 2000 rpm, infinitely variable; Drive: Servo Motor with Belt Drive; Interface: M27 thread DIN 58725. Others on request
Vacuum	-0.7 bar
Air Pressure Requirement	6 bar
Power Requirement (others on request)	4 kVA / 400 V / 50/60 Hz
Dimensions	Width: 1110 mm, Height: 1970 mm, Depth: 1190 mm
Weight (approx.)	600 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





Highlights

- The OptoTech polishing machine SPX 80 NC is an ideal polisher for low as well as high aperture optics up to diameter 80 mm
- The simple and efficient kinematics of this machine assures highest quality
- Kinematics with oscillation in radii center
- For flat radii, tangential mode (X-mode) will be used. For high aperture surfaces, the machine can be easily switched to stem polishing mode
- NC-controller. Up to 99 programs can be saved in the internal memory
- SPX 80 NC has the ideal kinematics for difficult geometries. They are extremely flexible and can be used for prototyping, smaller as well as larger production volumes.

Performance Characteristics

Processing Technology:

- Standard: Membrane Technology with central cooling
- Option: HydroSpeed Technology with central cooling

The SPX 80 NC offers 3 different processing technologies:

- Tangential mode (X-mode) for flat radii
- Center point mode for surfaces up to 120°
- Stem polishing mode for high aperture optics over 120°