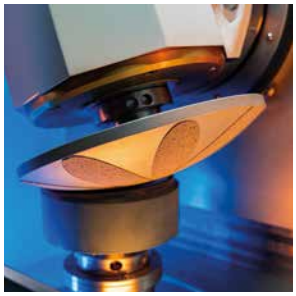
SPM/SPS-150

GRINDING AND POLISHING
FOR Ø 10-150 MM

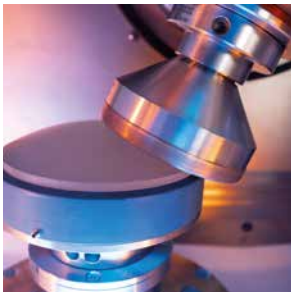
Optical Manufacturing Solutions.

satisloh®



Spherical polishing up to Ø 150 mm

CT measuring system



Spherical grinding for Ø 10-150 mm

Dual spindle on SPM-150 (optional on SPS-150)

FEATURES + BENEFITS

Flexibility

- Machine duo for all steps of spherical processing: pre- & fine grinding, edging, polishing and tool dressing (aspherical processing optional)
- Grinding in standard & swivel mode
- Polishing in Synchrospeed mode
- Fluid-based polishing increases stability via cooling and uniform pressure, and improves efficiency by eliminating protective lacquer

Efficiency

- Time-saving process control via optional integrated CT measuring system
- Fast and easy setup thanks to intuitive Satisloh graphical user interface BaSyS
- 360° tool swivel head offers full swivel range and saves space at the same time
- Integrated dressing spindle for polishing tools

Reliability

- Direct driven dual spindles on SPM-150 for high surface quality and low subsurface damage during grinding process
- Rigid polymer concrete base with 12x better vibration absorption than cast iron guarantees stable processes and repeatable results
- Improved cross-grinding adjustment (US patent no. US 9,446,494 B2)

Ease of use

- Small footprint for convenient integration
- Improved user panel with integrated handwheel
- User friendly maintenance due to automated door and easy to clean surfaces
- Graphical user interface Satisloh BaSys allows easy and fast data input

OPTIONS + ACCESSORIES

- Fluid-based polishing
- Integrated polishing tool dressing spindle (SPS-150)
- Center thickness measuring system (SPM-150)
- Cleaning program (separate cleaning circuit with additional in- and outlet for optimal cleaning of working chamber and supply lines)
- Software modules for specific process steps
- HS-200 flexible & mobile automation system
- Coolant & chiller systems
- Workpiece receptions & chucks
- Diamond & dressing tools, axis adjustment tools
- Consumables

TECHNICAL INFORMATION

Dimensions (w x d x h)	1100 x 1660 x 1930 mm (43 x 65 x 76 in)
Working range	Ø 10 up to 150 mm
Weight	2220 kg / 4850 lbs
Tool diameter	SPM-150: Ø max. 180 mm SPS-150: Ø max. 300 mm (with single tool spindle)

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Subject to technical changes

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