



SPM/SPS-30

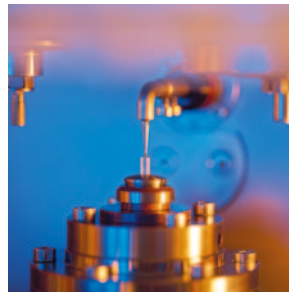
GRINDING AND POLISHING FOR MICRO OPTICS
UP TO Ø 30 MM



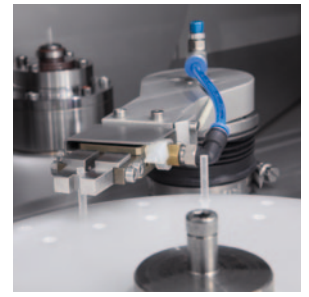
Precise micro optics processing



Tools for generating, polishing and dressing



Integrated measuring system



Handling solution for rod lenses, single lenses, and cemented lenses

FEATURES + BENEFITS

Flexibility

- Modular, upgradeable machine design meeting your specific needs
- Combines the sensitivity needed for micro lenses with powerful axis drives and direct driven spindles for lenses up to \varnothing 30 mm
- Modular spindle concept for processing multiple geometries all with one machine

Efficiency

- Two tool spindles mean faster processing and shorter cycle times
- Optional automatic loading system HS-30 for singles lenses, rod lenses and cemented lenses
- Tool dressing function
- Integrated quality control system



Reliability

- High frequency air bearing tool spindle with up to 80,000 rpm minimizes subsurface issues
- Repeatable process performance through integrated chiller that maintains an optimal temperature management
- Direct drive eliminates belt-induced vibration
- Optional integrated Y-axis allows precise fine adjustments for perfect formshaping of workpieces

Ease of use

- Coated working chamber for fast and easy cleaning
- Maintenance-friendly
- Easy operation with Satisloh guided software interface BaSyS
- Compact footprint

OPTIONS + ACCESSORIES

- Integrated automatic loading system HS-30
- Integrated Y-axis for formshaping of workpieces
- Stemp polishing for high aperture lenses
- Aspheric software package
- Different workpiece receptions (collet or vacuum chuck, cemented block, membrane or seal-lip chuck)
- 3-jaw precision clamping chuck
- Tools & consumables

TECHNICAL INFORMATION

| | |
|-------------------------------|--|
| Dimensions (w x d x h) | 700 x 1300 x 1725 mm (28 x 51 x 68 inches) |
| Working range | $\varnothing \leq 1 - 30$ mm |

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