



OptoTech

PPM 301 CNC

Precision Polishing Machine for Optics up to $\varnothing$ 300 mm



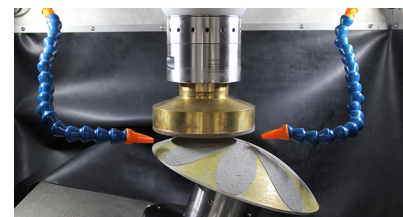
The PPM 301 CNC is a high-end polishing machine for the production of high precision lenses with integrated dressing technology for polishing tools.



OptoTech

Datos técnicos

	PPM 301 CNC
Working Range Diameter	80 mm - 300 mm
Working Range Radius	± 60 mm - ∞
Travel B	-63 ° - 63 °
Travel X	-250 mm - 250 mm
Travel Z	0 mm - 400 mm
Tool Spindle	Velocidad de giro: 0 - 650 rpm; Interfaz: Flange; HD 40 on option
Workpiece Spindle	Velocidad de giro: 0 - 1500 rpm; Interfaz: Flange; HD 40 on option
Vacuum	-0.7 bar
Requisitos de presión de aire	6 bar
Dimensiones	Ancho: 1450 mm, Altura: 2290 mm, Profundidad: 2300 mm
Peso (aprox.)	3100 kg





Características destacadas

- Polishing of 2D aspheres
- 2D corrective polishing of spheres and aspheres
- High dynamic AC servo drives for all axes
- Machine base made of cast iron for higher rigidity
- Quick and precise tool change due to Hydro-Expansion Chuck Technology (Ø 40 x 62 mm DIN)
- Optimisation of the polishing process due to auto correction during polishing cycle (form error correction)
- Operating system with graphical OptoTech user interface
- Design according to latest EMV and CE regulations
- Siemens Sinumerik One controller with OptoTech user interface

Ventajas del sistema

- Advanced polishing technologies
- Optimized polishing process due to auto correction
- Robust machine base with higher rigidity

Características de rendimiento

Polishing Technologies:

- OCT (OptoTech Correction Technology): integrated polishing tool correction technology
- AST (Advanced Setup Technology, Touch Setting): Machine measures the contact point of lens/tool; decreasing set-up time
- ORT: OptoTech Reverse Technology: Polishing tool sits on lower spindle; polishing pressure can be reduced down to zero, so that the lens is polished out under its own weight, causing less deformation and resulting in a much better fringe irregularity pattern

Opciones

- HydroSpeed® Polishing Technology
- C-Axis
- Polishing of 3D aspheres
- 3D corrective polishing of spheres and aspheres
- Offline Programming Module