OptoTech

PPM 20.1

High Aperture NC-Controlled Polishing Machine



The high aperture polishing machine PPM 20.1 is the ideal solution for optical components with a high aperture angle in the range of micro and super micro optics. The simple and efficient kinematics guarantee highest quality.

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Datos técnicos

	PPM 20.1
Working Range Angle	80 ° - 175 °
Working Range Radius	0 mm - 20 mm
Oscillation - Amplitude	± 0° - 48°, infinitely variable
Oscillation - Drive	Servo Motor with Lead Screw Spindle
Oscillation - Frequency	3 - 40 Strokes/min, infinitely variable
Tool Spindle	Velocidad de giro: 0 - 200 rpm, infinitely variable; Accionamiento: Servo Motor with Belt Drive; Interfaz: Excenter with Ball Pin
Workpiece Spindle	Velocidad de giro: 0 - 2500 rpm, infinitely variable; Accionamiento: Servo Motor with Belt Drive, Interfaz: M10 DIN 58725
Requisitos de presión de aire	4 bar
Requisitos eléctricos (otros bajo pedido)	1 kW / 400 V / 50/60 Hz
Dimensiones	Ancho: 750 mm, Altura: 1540 mm, Profundidad: 750 mm
Peso (aprox.)	115 kg





Características destacadas

- NC-Controlled polishing machine. Up to 99 programs can be saved.
- Data input of all processing parameters, such as spindle speed, setting angle, cycle time, working pressure etc. via user-friendly touch screen
- Polishing of optics with high angle of aperture >85° using Ball Pin Technology and planetary kinematics
- Actuator of the workpiece in planet technique
- Adjustable spring working pressure
- This tabletop machine is available with a single spindle (PPM 20.1) or multiple spindles up to three total (PPM 20.3)
- Cycle time adjustable from 0 to 9999 sec

Ventajas del sistema

- Ideal kinematics for these difficult geometries
- Highly flexible (for prototyping)
- Small space requirements due to compact design

Opciones

- Up to 3 spindles possible (on option)

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