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ASP 200 CNC-B

CNC-Controlled Polishing Machine for Pre-Polishing and Fine Correction of Aspheric Surfaces



The OptoTech 4-axis polishing machine ASP 200 CNC-B is a basic, but universal usable polishing machine for spheres, aspheres as well as 3D-surfaces.

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Datos técnicos

	ASP 200 CNC-B
Working Range Diameter (aspheres)	10 mm - 220 mm
Working Range Diameter (SynchroSpeed Mode)	10 mm - 120 mm
Travel B	-55 ° - 55 °
Travel C	- 360 °
Travel X	0 mm - 380 mm
Travel Z	0 mm - 150 mm
Feed Rate Axes	X: 0 - 10000 mm/min; Z: 0 - 7500 mm/min; B: 0.01 - 3000°/min; C: 0 - 2000 mm/min
Repeatability Axes	X: ± 0.001 mm; Z: ± 0.001 mm; B: ± 2“; C: ± 13”
Tool Spindle	Velocidad de giro: 0 - 2000 rpm; Interfaz: HD-Chuck Ø25
Workpiece Spindle	Velocidad de giro: 0 - 2000 rpm; Interfaz: HD-Chuck Ø25
Vacuum	-0.7 bar
Requisitos de presión de aire	5 bar
Requisitos eléctricos (otros bajo pedido)	13 kVA
Dimensiones	Ancho: 1780 mm, Altura: 1990 mm, Profundidad: 1830 mm
Peso (aprox.)	2400 kg

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Características destacadas

- 4 axis CNC controlled oscillation in the asphere centre point
- 1 vertical workpiece spindle and 1 horizontal spindle for polishing tools
- High dynamic servo drives in all axes
- OptoTech AspheroSpeed® Polishing Technology
- Processing with form tools (spherical surfaces) or zonal topographic tools (aspheres)
- Short set-up times due to Microsoft Windows operating system with OptoTech user interface and optional OptoTech PolyCAM software package

Ventajas del sistema

- Optimized machine kinematics for processing aspheres with very reproducible results
- Rigid, low torsion machine construction on a low vibration cast iron basis
- Working room Teflon coated for easiest cleaning
- Quick and precise tool change due to Hydro-Expansion Chuck Technology
- Short set-up times due to Microsoft Windows operating system

Opciones

- OptoTech PolyCAM software package
- Remote diagnosis technology
- Interface to Modern Profile Measuring Systems (e.g. Taylor Hobson Talysurf PGI Series, Mahr MarSurf

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