OptoTech

HM 500 NC

NC-Controlled Lapping and Polishing Machine

The HM 500 NC is one of the worldwide first NC controlled polishing machines in conventional technology. Due to the simple NC controller it is possible to save parameters as well as the program kinematics. The HM 500 NC is a true high-end tool for the production of high class optics in small series and special optics.

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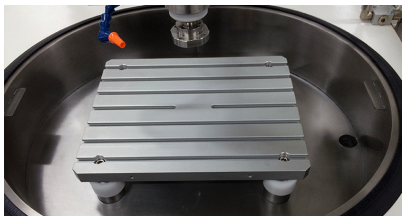
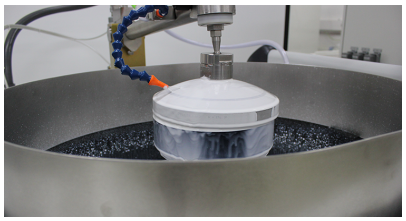
Technical Data

	HM 500 NC
Application	NC-Controlled Traditional Grinding and Polishing Machine
Working Range Diameter	0 mm - 500 mm
Excenter Spindle Stroke Frequency	0 - 24 Strokes/min
Stroke	X= ± 150 mm, Y= ± 90 mm, stepless
Tool Spindle	Speed: 0 - 120 rpm (330 rpm on option); Interface: M 39 DIN 58725-A
Power Requirement (others on request)	8 kW
Dimensions	Width: 1015 mm, Height: 1000 mm, Depth: 1200 mm; without control panel
Weight (approx.)	400 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





Highlights

- Traditional machine with NC controller for grinding and polishing of spheres, plano surfaces and cylinders as single surfaces or multiple blocks
- Due to the simple NC controller it is possible to save parameters as well as the program kinematics, which is not possible with a standard excenter drive machine
- The HM 500 NC is a real high-end tool for the production of high class optics in small series
- X- and Y-axis are driven by servo motors and ball bearing spindle
- 20 programs can be saved
- Driven upper spindle on option (spindle speed 0-60 rpm)
- Parameter Input: Stroke and oscillation frequency of X- and Y-axis, spindle speed main spindle and upper spindle, working time
- Online connection

Options

- Working pressure adjustable via sliding weight or pneumatically
- Tool spindle 330 rpm
- Driven upper spindle with ball pin interface
- Polishing of Cylinder Optics
- Table for cylinder optics

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