



Data Sheet

POLI-1HX

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FULLY PROCESS
PROGRAMMABLE

Features

- > Automatic single platen ø 250mm grinding/polishing machine
- > Equipped with automatic head for polishing processes up to 6 samples at the same time. Possibility to choose two different samples holders as a standard configuration
- > Platen and automatic head controlled by digital LCD panels
- > Stepless speed and three level constant speed
- > Fully programmable, 8 steps process control with automatic stop
- > Cooling system to prevent sample overheating
- > Recommended for scientific research institutes, metallographic laboratories and universities.

Model	POLI-1HX/250
Platen	1
Platen diameter	250mm
Platen speed	0÷1000rpm
Platen rotational direction	Clockwise/Counterclockwise
Torque	5Nm
Head rotational direction	Counterclockwise
Head speed	50÷200rpm
Sample holder	2 models selected from sample holder table
Sample holding force	0.2÷0.4MPa
Max. sample height	45mm
Head motor power	750W
Noise level	50dB
Operating temperature	0÷30°C
Humidity non-condensing	80%
Water inlet	ø 6mm
Water outlet	ø 25mm
Inlet air pressure	0.5-0.8MPa
Air connection	ø 4
Motor power	550W
Power supply	230V ±10% - 50/60Hz - 1Ph
Dimensions	430x760x610mm
Weight	74kg

Standard accessories

Sample holder 2pcs; magnetic plate Ø250mm; anti-sticky disc Ø250mm; adhesive grinding paper Ø250mm, 320# 10pcs; adhesive grinding paper Ø250mm, 1000# 10pcs; inlet water pipe; outlet water pipe

Optional accessories

Model	Description
D-1	Automatic dispenser for diamond/alumina/silica products
LV-21	Sample leveler plate
PR-XX	Plastic ring reduction selected from ø 22 up to ø 45mm

Sample holders

Model	Number of sample	Holes diameter (mm)
XH-22	6	ø 22
XH-30	6	ø 30
XH-32	6	ø 32
XH-40	6	Three ø 32; three ø 40
XH-45	6	Three ø 32; three ø 45
XH-50	6	Three ø 32; three ø 50



XH-22



XH-30



XH-32



XH-40



XH-45



XH-50



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