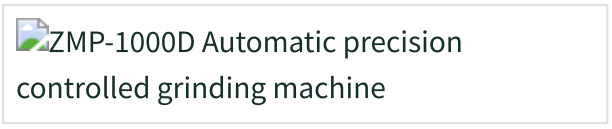
ZMP-1000D Automatic precision controlled grinding machine

Automatic precision controlled grinding machine • Technical datasheet

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ZMP-1000D Automatic precision controlled grinding machine

Using a touchscreen PLC system, the ZMP-1000D automatically controls the amount of material removed during grinding. It is intended for research work requiring controlled reduction in the thickness of precision components or preparation to a specified grinding depth. Its focus is on managing material removal as part of the specimen-preparation process.

Specifications

Model	ZMP-1000D
Machine body configuration	Benchtop (touchscreen PLC control)
Clamping capacity	4 specimens (custom specimen sizes available)
Pressure application	Pneumatic (individual / central loading)
Operation	Automatic / semi-automatic
Control system	Color touchscreen, PLC control
Grinding method	Programmed automatic / semi-automatic (two grinding modes)
Grinding tracking	Digital display and real-time plot
Resolution	1μm
Grinding accuracy	10μm/ (optional 2μm)
Grinding disc speed	50-1500 rpm
Grinding head speed	20-200 rpm
Abrasive dosing	Two-channel automatic dosing
Dosing interval	Programmable; minimum dosing interval 0.1S
Dosing time	Programmable; minimum spray interval 0.1S
Preparation time	0-9999 s
Main unit power	1200W
Specimen preparation diameter	Φ30mm (special sizes optional)

Grinding disc diameter	230mm
Power supply	220V/50HZ
Dimensions	650mm*500mm*680mm (L * W * H)
Net weight	71.5KG
Gross weight	82KG

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Compiled from published product information. Final configuration follows the technical agreement; confirm options, fixtures and scope with an application engineer.

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