ZMP-2000Z Automatic grinding and polishing machine

Automatic grinding and polishing machine • Technical datasheet

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ZMP-2000Z Automatic grinding and polishing machine

An 8-inch colour touchscreen and PLC control coordinate abrasive spraying, grinding pressure and preparation time. The grinding head raises, lowers and locks automatically. Up to eight specimens can be prepared together; optional special fixtures accommodate specimens with non-standard dimensions. Suitable specimen materials include ferrous and non-ferrous metals, alloys, ceramics, rocks, glass, electronic components and other material types.

Specifications

Model	ZMP-2000Z
Machine body configuration	Benchtop, two discs (automatic head locking)
Clamping capacity	8 specimens (30mm*6+40mm*2; custom specimen sizes available)
Grinding and polishing configuration	intelligent automatic
Pressure application	Central loading / pneumatic individual loading
Control method	Color touchscreen, PLC control
Operating system	intelligent automatic
Grinding/polishing speed	Stepless speed control (50-1500 rpm)
Grinding head speed	20-200 rpm (automatic speed control)
Grinding and polishing method	intelligent / automatic / manual
Preparation settings	Stores up to 100 grinding and polishing programs
Pressure loading	Automatic loading and programmed changeover
Abrasive dosing	Two-channel automatic dosing
Dosing time	Programmable; minimum spray duration 0.1S
Dosing interval	Programmable; minimum dosing interval 0.1S
Cooling method	water cooled
Grinding/polishing changeover	manual

Preparation time	0-9999 s *2
Main unit power	1000W*2
Specimen preparation diameter	30mm*6+40mm*2 (special sizes optional)
Grinding disc diameter	230mm (optional 200, 250, 300mm)
Power supply	220V/50HZ
Dimensions	770mm*650mm*700mm (L * W * H)
Net weight	100KG
Gross weight	120KG

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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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