ZMP-3000Z Automatic grinding and polishing machine

Automatic grinding and polishing machine • Technical datasheet

Document: MC-DS-ZMP-3000Z-EN • Generated: 2026-11-14


ZMP-3000Z Automatic grinding and polishing machine

An 8-inch colour touchscreen and PLC control operate the ZMP-3000Z grinding and polishing cycle. After grinding is completed, the machine automatically switches to polishing. Timed cooling-water spraying and automatic addition of grinding and polishing fluid are coordinated throughout the process. The arrangement reduces the manual intervention required to move between the grinding and polishing stages of specimen preparation.

Specifications

Model	ZMP-3000Z
Machine body configuration	Benchtop, three discs (automatic head locking)
Clamping capacity	8 specimens (30mm*6+40mm*2; custom specimen sizes available)
Grinding and polishing configuration	One-button operation with automatic changeover between grinding and polishing
Pressure application	Central loading / pneumatic individual loading
Control method	Color touchscreen, PLC control
Operating system	One-button operation (no operator intervention during the cycle)
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	Programmed 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	Automatic changeover without manually moving the head

Preparation time	0-9999 s *3
Main unit power	1000W*3
Specimen preparation diameter	30mm*6+40mm*2 (special sizes optional)
Grinding disc diameter	Choice of Φ230mm or Φ200mm
Power supply	220V/50HZ
Dimensions	1200*800*700mm (L * W * H)
Net weight	150KG
Gross weight	170KG

Contact

Phone: 400-8127-833 / +86-21-58391850

Email: shanghai@yr17.net

Address: No.1478 Nanfeng Highway, Fengxian District, Shanghai, China

Website: www.cnnoet.com

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

© 2026 MICROCRE