# ZMP-1000Z Automatic grinding and polishing machine

Automatic grinding and polishing machine • Technical datasheet

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An 8-inch colour touchscreen and PLC control manage abrasive spraying, grinding pressure and preparation time. The current preparation recipe can be stored for reuse. Up to eight specimen blocks can be ground and polished together, with optional special fixtures for non-standard sizes. Suitable specimen materials include ferrous and non-ferrous metals, alloys, ceramics, rocks, glass, electronic components and other materials.

## Specifications

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|---|---|
| **Model** | ZMP-1000Z |
| **Machine body configuration** | Benchtop, single disc (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 |

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|---|---|
| **Preparation time** | 0-9999 s |
| **Main unit power** | 1000W |
| **Specimen preparation diameter** | 30mm*6+40mm*2 (special sizes optional) |
| **Grinding disc diameter** | 230mm (optional 200, 250, 300mm) |
| **Power supply** | 220V/50HZ |
| **Dimensions** | 450mm*650mm*700mm( L * W * H) |
| **Net weight** | 80KG |
| **Gross weight** | 95KG |

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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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