



SINGLE WHEEL METALLOGRAPHIC GRINDER & POLISHER TORONPOL™ - 201/251/301 SERIES

The ToronPol™-201/251/301 Series is a foundational instrument for the manual preparation of material specimens for microstructural analysis. Its variable-speed control provides the hands-on flexibility required to develop and execute precise preparation routines for a wide variety of materials. It is the essential workhorse for any laboratory where operator control and adaptability are needed to achieve the perfect, artifact-free polished surface required for accurate microscopic examination.

APPLICATIONS

This flexible, hands-on preparation is critical for success in:

- **Failure Analysis:** For the meticulous, one-off preparation of unique failed components, where precise manual control is essential to preserve critical microstructural evidence and accurately determine the root cause of failure.
- **Research & Education:** As an indispensable tool in academic and R&D labs for developing preparation methods for novel and experimental materials, and for providing hands-on training in the fundamental principles of metallography.
- **Low-Volume Quality Control:** In job shops, heat treatment facilities, and welding operations for process validation and routine quality checks, providing a cost-effective solution for ensuring materials meet required specifications without the need for high-volume automation.
- **Geology & Petrography:** For the precise, controlled grinding and polishing of rock and mineral samples to create the high-quality thin sections required for detailed petrographic analysis and mineral identification.

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FEATURES

- User-friendly grinding and polishing operation
- Variable speed control: Easily adjustable via a rotating switch, with speed displayed digitally
- Reversible direction control (CCW and CW) for flexible use
- Extendable universal water hose for convenient basin cleaning
- Disposable plastic bowl liner for easy maintenance
- Hard-anodized aluminum working wheel for enhanced durability
- Rust-resistant composite construction for longevity
- Powder-coated aluminum housing for reliable, long-lasting performance

TECHNICAL SPECIFICATIONS

Model	ToronPol-201	ToronPol-251	ToronPol-301
Wheel (mm)	Ø203	○Ø203●Ø254	○Ø203 ○Ø254 ●Ø305
Speed(rpm)	100-1000	100-1000	100-1000
Motor	500W	600W	600W
Power	110/220V		
Paper Ring	●	●	●
Splash guard	●	●	●

Cover	●	●	●
Grinding paper	●	●	●
Polishing Cloth	●	●	●
Diamond Spray	○	○	○
Diamond Slurry	○	○	○
Alumina Powder	○	○	○
Recirculating Tank	○	○	○
● Standard ○ Option			



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