



TWIN WHEEL METALLOGRAPHIC GRINDER & POLISHER TORONPOL™ - 202/252/302 SERIES

Twin Wheel Metallographic Grinder & Polisher ToronPol™-202/252/302 Series is a double-wheel machine designed for the preparation of metallographic specimens. Its powerful, variable-speed drive facilitates efficient operation across all preparation steps, ensuring versatility and precision for various tasks.

APPLICATIONS

The ToronPol™-202/252/302 Series is engineered to significantly enhance the efficiency of manual metallographic specimen preparation. By providing two independent wheels, this system allows laboratories to streamline their workflow, typically by dedicating wheels to consecutive grinding or polishing stages. This minimizes downtime and speeds up the entire process while retaining the critical hands-on control needed to achieve a perfect, artifact-free surface for microstructural analysis.

This enhanced workflow efficiency is ideal for demanding, high-mix environments in:

- **Manufacturing Quality Control:** For heat treatment facilities, welding shops, and process control labs that have a steady flow of samples, enabling a faster transition from coarse grinding to final polishing and improving overall inspection throughput.
- **Commercial Testing Laboratories:** To increase productivity and improve turnaround times by allowing technicians to run multiple preparation stages simultaneously, accommodating a diverse range of client materials more efficiently.
- **Materials R&D:** To accelerate the development of preparation procedures for new materials by allowing for the side-by-side comparison of different abrasives, polishing cloths, and techniques.
- **Educational & Training Facilities:** As an ideal platform for teaching labs, allowing instructors to demonstrate a more complete workflow and accommodate a larger number of students by providing more available preparation stations.

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FEATURES

- Easy-to-use grinding and polishing operation
- Variable speed control: Adjustable via a rotating switch, with speed displayed digitally
- Reversible direction control (CCW and CW) for added flexibility
- Pull-out universal water hose for convenient basin cleaning
- Disposable plastic bowl liner for hassle-free maintenance
- Hard-anodized aluminum working wheel for enhanced durability
- Rust-resistant composite construction for long-lasting performance
- Powder-coated aluminum housing for reliability and durability

TECHNICAL SPECIFICATIONS

Model	ToronPol-202	ToronPol-252	ToronPol-302
Wheel (mm)	Ø203	○Ø203●Ø254	○Ø203 ○Ø254 ●Ø305
Speed(rpm)	100-1000	100-1000	100-1000
Motor	500W	600W	800W
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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