



5-STATION BELT GRINDER TORONBELT™-5000

5-Station Belt Grinder ToronBelt™-5000 is designed for small laboratories and educational institutions, enabling quick sample preparation for macro viewing in just minutes. This efficient belt grinder is ideal for use in universities for teaching purposes, providing a practical solution for preparing samples effectively.

APPLICATIONS

The Torontech ToronBelt™-5000 is engineered for the rapid, multi-stage grinding of material specimens. By providing five consecutive grinding stations, it dramatically streamlines the initial preparation workflow, allowing users to progress from a coarse, as-cut surface to a fine-ground finish suitable for macroscopic examination in minutes. This makes it an ideal solution for environments where speed, efficiency, and high sample throughput are the primary objectives.

This rapid preparation system is essential for efficiency in:

- **Educational & Training Institutions:** As an ideal tool for teaching labs, enabling students to quickly and efficiently prepare samples, maximizing hands-on learning time within a single lab session.
- **Welding & Fabrication Shops:** For rapid, on-the-floor process control, allowing welders and inspectors to quickly section and examine weld coupons to verify penetration, fusion, and overall weld quality.
- **Manufacturing & Foundries (Macro-Etch Prep):** In quality control for foundries and manufacturing, to rapidly prepare surfaces for macro-etching, revealing material flow lines, segregation, and checking for gross defects in castings and forgings.
- **Failure Analysis (Initial Investigation):** For the initial stages of failure analysis, enabling a quick preparation of large cross-sections to examine fracture paths and identify secondary cracking before proceeding to more detailed microscopic investigation.

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FEATURES

- **Five grinding stations:** Transition from coarse to fine grinding, achieving a nearly polished specimen surface using 1200/P4000 grit SiC paper.
- **Versatile grinding options:** Suitable for both wet and dry grinding processes.
- **Adjustable water flow rate:** Allows for precise control during wet grinding.
- **Durable abrasive support:** Made from hard anodized aluminum, ensuring rust resistance.
- **Robust composite housing:** Constructed with integral molding for enhanced durability.
- **Easy abrasive roll changes:** Simplifies the process of replacing abrasive materials.

TECHNICAL SPECIFICATIONS

Model	ToronBelt-5000
Paper	5 station allows five different grit size grinding paper
Paper Roll Size(mm)	W:3-7/16inch L: 60feet long with 1-inch core
Dimension(WxDxH)	565x535x203mm
Weight(Kg)	15



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

