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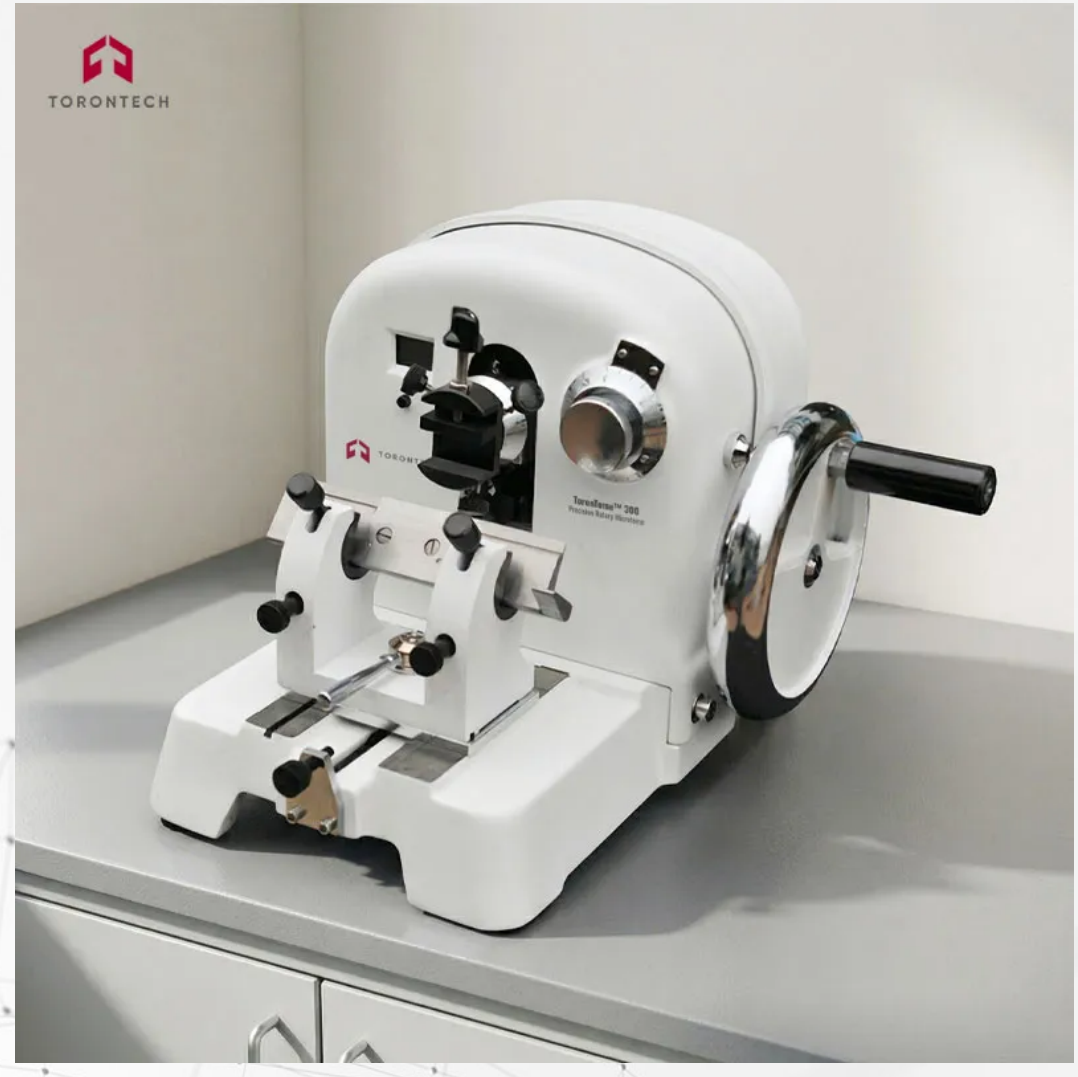


PRECISION ROTARY MICROTOME

Precision Rotary Microtome - ToronTome™ 300

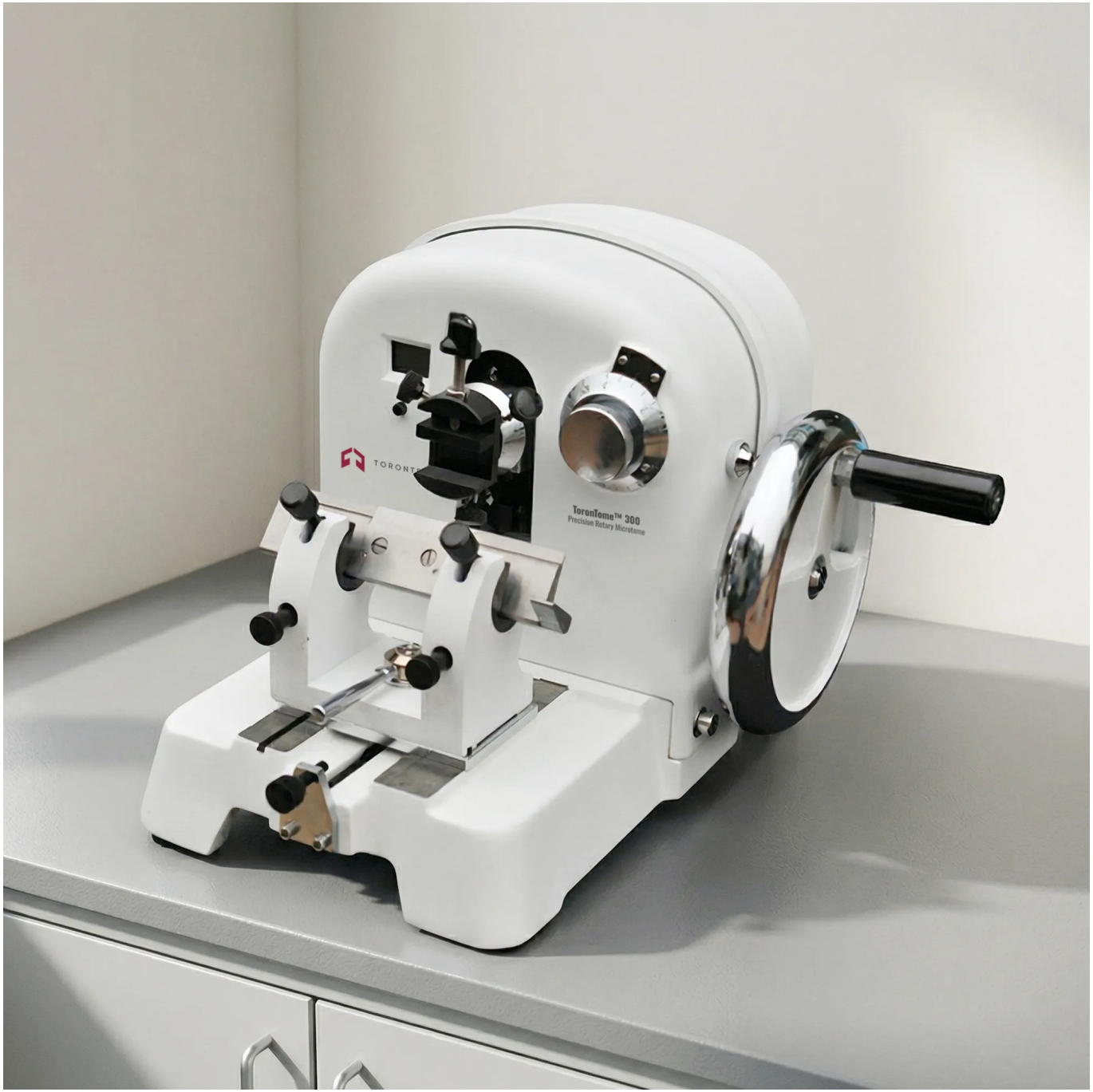
Automatic Rotary Microtome ToronTome™ 300 is a compact precision Microtome designed for routine sectioning in pathology, histology, research, and laboratory sample-preparation workflows. Precision Rotary Microtome - ToronTome™ 300 as an upgraded version of the Basic Rotary Microtome - ToronTome™ 200, with improved appearance and precision, LCD section counting, an alarm system, a smooth-running handwheel, and a compact ergonomic design.

This Rotary Microtome is suited for laboratories that want straightforward manual sectioning with practical monitoring and safety support. The system emphasizes stable specimen movement, controlled thickness setting, and a benchtop-friendly footprint for daily use.

APPLICATIONS

Precision Rotary Microtome - ToronTome™ 300 Applications

- Histology and pathology laboratories: ToronTome™ 300 is suitable for routine tissue sectioning in histology and pathology environments. Its section thickness range, compact format, and standard clamp-and-blade-carrier configuration make it appropriate for preparing embedded specimens for staining and microscopic examination.
- Research and academic laboratories: this Microtome also fits research institutions and laboratory settings that need reliable manual sectioning for teaching, research, and general specimen preparation. The supplier positions the model within its microtome product range for routine laboratory use.
- General sample preparation: the compact layout, LCD counter display, and controlled specimen travel also make this Rotary Microtome a practical choice for general bench-top sample preparation where repeatable thin sections are required. This application is a reasonable inference from the listed design and technical data.


TORONTO
ToronTome™ 300
Precision Rotary Microtome

Standards

- **ISO 9001:2008** is a foundational international standard for quality management systems that mandates strict process control and comprehensive documentation to ensure manufacturing consistency. Within the industrial testing sector, it established the rigorous framework for quality manuals and corrective actions required to guarantee that equipment consistently meets exact technical specifications and global regulatory compliance.

FEATURES

Precision Rotary Microtome - ToronTome™ 300 Key Features

- Improved design based on the earlier platform: The Precision Rotary Microtome - ToronTome™ 300 was improved in appearance and precision based on the Automatic Rotary Microtome - ToronTome™ 200 platform. This supports the positioning of ToronTome™ 300 as a refined, compact Microtome for routine laboratory use.
- Compact ergonomic benchtop format: the unit is compact and ergonomic. That makes it well suited for laboratories where bench space and operator comfort matter.
- LCD section counting display: an LCD display for section counting. This gives the operator a simple visual reference during repetitive sectioning work.
- Smooth-running handwheel: a smooth-running handwheel is specifically listed by the supplier. This is important for a Rotary Microtome because stable manual rotation supports more consistent section quality.
- Alarm system: a safety alarm system for lead-screw stroke limit. This adds a practical layer of operational awareness and equipment protection.
- Protective design details: a sealed cover that helps reduce exposure of important parts. This supports cleaner operation and better protection of internal mechanisms during daily use. The same brochure also presents the model as improved in precision compared with the earlier version.
- Precision-oriented specimen movement: thickness range, specimen stroke values, and compact mechanical layout indicate a system designed for controlled specimen travel and repeatable sectioning. This aligns with the supplier’s

description of improved precision.

THEORY & METHOD

Theory and Method

A Rotary Microtome works by advancing a specimen block toward a blade in controlled increments so thin sections can be produced for microscopic examination. The operator mounts the specimen, aligns it, selects the section thickness, and turns the handwheel to move the specimen through the cutting path. Section quality depends on feed stability, specimen orientation, blade condition, and smooth mechanical motion. This operating description is consistent thickness control, specimen stroke values, and smooth-running handwheel design.

ToronTome™ 300 follows this method through a compact manual rotary sectioning system with LCD section-count display and a lead-screw-related alarm function. These features help the operator monitor sectioning progress and maintain better control during routine cutting work.

TECHNICAL SPECIFICATIONS

Precision Rotary Microtome - ToronTome™ 300 Technical Specification

Parameter	ToronTome™ 300
Product type	Precision Rotary Microtome
Section thickness	1-25 µm
Minimum setting value	1 µm

Parameter	ToronTome™ 300
Maximum section size	35 × 25 mm
Horizontal specimen stroke	35 mm
Vertical specimen stroke	46 mm
Dimensions	330 × 370 × 290 mm
Net weight	25.5 kg

Standard Accessories

- Clamp (1)
- Blade carrier for steel knife or blade holder (1)
- Cassettes (50 pcs)
- Steel knife (1)

Optional Accessories

- Blade holder
- Microtome disposable blade
- Cassette clamp

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