



MICROTOME

Microtome

A Microtome is a precision instrument used to cut very thin sections of embedded specimens for microscopic examination, routine pathology, histology, research, and related laboratory workflows. A Rotary Microtome works by advancing a specimen block toward a blade in controlled increments so the operator can produce repeatable sections for staining, imaging, and analysis. The Microtome range in the uploaded brochure covers basic mechanical models, precision manual systems, semi-automatic platforms, and fully automatic systems for different throughput, control, and specimen-handling needs.

ToronTome™ Series Microtomes are designed to support stable sectioning, controlled trimming, and practical daily lab operation. Across the lineup, the brochure highlights features such as precise specimen feed, adjustable blade positioning, clamp flexibility, specimen retraction, touchscreen or LCD control, handwheel locking, and safety-focused design. This makes the series suitable for laboratories ranging from routine histology benches to higher-throughput pathology and research environments.

Depending on the model, a ToronTome™ Rotary Microtome may offer basic manual sectioning, repeatable mechanical trimming, semi-automatic electronic control, or dual-control motorized operation. Some models also support advanced functions such as memory positioning, rocking mode, paraffin clamp cooling, flotation integration, and optional remote or foot-switch control.

Product Line Up

ToronTome™ Series includes a broad Microtome portfolio to match different lab budgets, workflows, and sectioning requirements. This line up groups the range from entry-level manual systems to advanced automatic platforms.

Basic and Compact Microtome Models

1. ToronTome™ 200 An entry-level basic Rotary Microtome for routine tissue sectioning. It offers a full mechanical design, lead-screw-guided motion, forward-and-back knife carrier movement, and horizontal steel-knife adjustment. This model fits teaching, routine lab work, and users looking for a straightforward manual sectioning platform.

2. ToronTome™ 300 A compact precision Microtome with improved appearance and precision compared with the entry-level platform. It adds LCD section counting, alarm support, and a smooth-running handwheel for routine histology, pathology, and general bench-top sample preparation.

Stable Mechanical Rotary Microtome Models

1. ToronTome™ 350 A stable Rotary Microtome designed for research institutions, laboratories, and medical pathology departments. It uses a precision roller cross guide and alloy-steel construction, making it suitable for routine embedded samples as well as harder materials such as plastic, fiber, bone, plant, and hair.
2. ToronTome™ 400 An accurate Microtome built for pathology, research, and hard-tissue sectioning. The brochure positions it as a compact mechanical model with imported core motion components, direct disposable-blade compatibility, adjustable blade carrier movement, and maintenance-friendly operation.
3. ToronTome™ 450 A repeatable Rotary Microtome for wax-embedded and plastic-embedded sections. It features gravity-compensated handwheel movement, dual locking positions, quick trimming, flexible clamp options, and disposable-blade or steel-knife compatibility for labs that want a classic mechanical platform with improved repeatability.

Semi Automatic Microtome Models

1. ToronTome™ 520 A semi-automatic Microtome for controlled tissue sectioning with electronic thickness setting, LCD parameter display, and specimen retraction. It is suited for routine pathology and histology workflows that need a balance between direct handwheel control and digital setup.
2. ToronTome™ 530 A higher-spec semi-automatic Rotary Microtome with touchscreen operation, stepper-motor-assisted control, memory return, rocking mode, adjustable blade positioning, and quick-release clamp options. This model is a strong fit for labs that need more workflow flexibility without moving to a fully automatic system.

Automatic and Fully Automatic Microtome Models

1. ToronTome™ 500 An automatic Rotary Microtome with manual and automatic sectioning modes, a 5-inch color touchscreen, paraffin clamp cooling, rocking mode, memory positioning, and optional SDS section flotation support. This model is suited for routine paraffin sectioning and integrated section handling.

2. ToronTome™ 550 A fully automatic Microtome designed for repeatable paraffin sectioning, controlled trimming, and dual-control operation. It combines motorized cutting with manual sectioning, touchscreen setup, specimen retraction, programmable return, multiple cutting modes, and optional remote or foot-switch control for higher-throughput labs.

Why Choose ToronTome™ Series for Your Microtome?

1. Broad range for different lab needs

ToronTome™ Series gives laboratories a complete Microtome lineup, from basic mechanical models to advanced fully automatic systems. That makes it easier to match the instrument to workload, operator preference, specimen type, and budget.

2. Flexible sectioning control

The series includes manual, semi-automatic, automatic, and dual-control configurations. Labs can choose a Rotary Microtome with the level of automation they need, whether the priority is hands-on trimming, repeatable production work, or a mix of both.

3. Designed for routine and advanced sectioning

The brochure shows that ToronTome™ models cover routine paraffin work, pathology and histology sectioning, research use, and harder specimen applications such as plastic, fiber, bone, plant, and hair. This gives the range broader practical value across different laboratory environments.

4. Features that support section quality

Across the lineup, ToronTome™ Series emphasizes stable specimen feed, adjustable blade positioning, clamp flexibility, specimen orientation control, and dependable handwheel performance. On advanced models, added features such as specimen retraction, rocking mode, memory return, touchscreen control, and paraffin clamp cooling help improve consistency and workflow efficiency.

5. Safety and daily usability

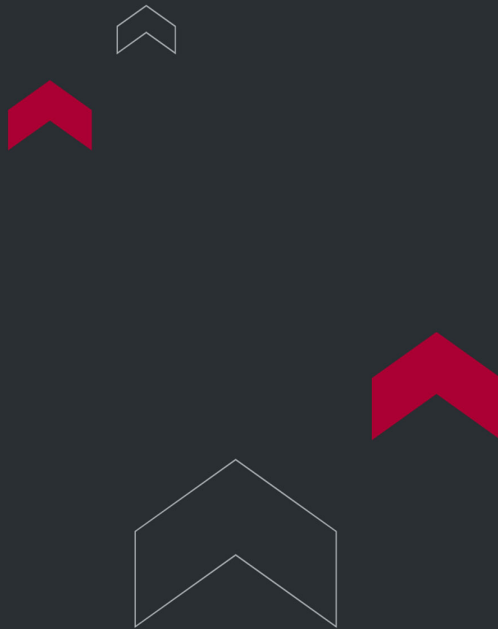
ToronTome™ models include practical operator-focused features such as handwheel locking, blade guards, alarm systems, overload protection, sleep protection, emergency-stop capability on selected models, and easy-clean waste trays. These details help support safer and cleaner day-to-day operation in busy labs.

6. Built for laboratory practicality

The uploaded brochure presents the MT Series as a group of compact, bench-friendly systems with different clamp types, blade options, and accessory configurations. Several models also support high-profile and low-profile disposable blades, optional steel-knife compatibility, and removable trays or holders that simplify maintenance and routine care.

7. Strong fit for pathology, histology, and research labs

ToronTome™ Series is built around the real needs of pathology, histology, biological, medical, academic, and industrial laboratories. Whether the goal is a simple starter Microtome or a high-capability Rotary Microtome for serial sectioning, the range offers a scalable path within one product family.



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