



PATHOLOGY EQUIPMENT - PATHOLOGY INSTRUMENTS

Pathology Equipment includes the instruments used to prepare, process, section, stain, dry, store, and review biological tissue samples before microscopic examination. In a routine lab workflow, this equipment supports every major step of tissue preparation, from fixation and paraffin infiltration to embedding, sectioning, frozen preparation, slide staining, flotation, drying, and organized slide storage.

Torontech's pathology instrument portfolio is built to support complete histology and pathology workflows in hospitals, research institutes, teaching labs, and routine laboratory environments. The series have a broad range that includes Microtome systems, Cryostat systems, Tissue Processor platforms, Tissue Embedding System models, Tissue Flotation Bath units, Tissue Slide Stainer systems, and Slide Tray Cabinet storage solutions.

This product family is designed to give laboratories a more connected workflow instead of isolated bench tools. A lab can process tissue, embed and cool blocks, section them with a rotary microtome or cryostat, flatten sections in a flotation bath, stain and coverslip slides, and then archive finished slides in dedicated cabinets within one coordinated equipment lineup.

Product Line Up

1. Microtome Series

ToronTome™ Series Microtomes cover basic mechanical, stable manual, semi-automatic, and fully automatic sectioning platforms. The series includes entry-level models for routine paraffin work, more advanced rotary systems for harder specimens, semi-automatic units with digital control, and fully automatic systems with features such as memory positioning, rocking mode, paraffin clamp cooling, and optional remote or foot-switch control.

2. Cryostat Series

ToronCryo™ Series Cryostats support frozen section preparation across several levels of complexity. The lineup includes a compact cryo-accessory system for compatible microtomes, a fully automatic cryostat microtome for routine frozen sectioning, and a dual-compressor cryostat for larger-capacity and more demanding daily frozen workflows.

3. Tissue Processor Series

ToronTP™ Series Tissue Processors include both a linear closed processor and a carousel-type processor. These systems automate dehydration, clearing, and paraffin infiltration, while giving laboratories different options for basket configuration, program control, loading flexibility, and overall workflow style.

4. Tissue Embedding System Series

ToronTES™ line includes basic paraffin embedding stations, cooling-combination systems, cold plates, atomization freezing systems, paraffin dispensers, and wax trimmers. This range is designed to support block preparation from heated paraffin handling through cooling, trimming, and finishing.

5. Tissue Flotation Bath Series

ToronTFB™ Series includes compact water baths, illuminated flotation baths, slide warmers, and integrated flotation, baking, and drying processors. These models support section flattening after microtomy and help labs move more efficiently from floating to drying and slide preparation.

6. Tissue Slide Stainer Series

ToronTSS™ Series includes a continuous batch Slide Stainer, an intelligent programmable stainer, and a fully automatic slide stainer with integrated coverslipping. This lineup is designed for laboratories that need better staining consistency, lower manual handling, and scalable throughput from routine work to higher-volume workflows.

7. Slide Tray Cabinet Series

ToronSTC™ Series Slide Tray Cabinets provide organized microscope slide storage in one-row and two-row formats. The lineup includes a 500-slide cabinet and a 1000-slide cabinet, both built around tray-based organization, compact vertical storage, and mobile lab use.

Why Choose the Torontech Series for Your Pathology Instruments?

Complete workflow coverage

Torontech gives laboratories more than a single product category. The lineup covers tissue processing, embedding, cooling, sectioning, frozen preparation, slide floating, staining, coverslipping, and slide storage. That makes it easier to build a more complete pathology workflow from one coordinated product family.

Options for different lab sizes and workloads

The Torontech range includes compact bench-top units, mid-level systems, and higher-throughput automated platforms. Smaller labs can choose simpler manual or entry-level equipment, while larger pathology environments can move into automated processors, intelligent stainers, and fully automatic staining and coverslipping systems.

Practical support for routine pathology work

Features such as programmable timing, touchscreen or LCD control, automatic memory, temperature control, alarm protection, specimen retraction, automatic recovery, and organized storage are built around the real needs of pathology, histology, teaching, and research labs.

Scalable product families

Each major category in the Torontech pathology range gives labs room to scale. The microtome series moves from basic manual systems to dual-control automatic models. The cryostat series scales from accessory freezing support to high-capacity dual-compressor systems. The staining series moves from continuous batch staining to intelligent automated staining and fully automatic staining plus coverslipping.

Better workflow consistency

Torontech series products are built around consistent sample handling at each stage. Tissue processors automate reagent steps, embedding systems stabilize block preparation, microtomes and cryostats improve section control, flotation baths help flatten sections, and slide stainers automate staining paths. Together, these systems help reduce manual variation and improve repeatability across the lab.

Strong fit for hospitals, research, and teaching labs

The product families are consistently positioned for hospital pathology departments, histology labs, research institutes, medical colleges, and teaching laboratories. That broad applicability makes Torontech pathology instruments a practical

choice for organizations that need reliable routine workflows with room for future growth.



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