

TISSUE SLIDE STAINER



Tissue Slide Stainer

A Tissue Slide Stainer is used to automate the staining workflow for tissue slides after sectioning and mounting. Instead of moving slides manually from one reagent to another, the system guides slide racks through a programmed sequence of staining, washing, differentiation, dehydration, clearing, drying, and in some cases coverslipping. This helps improve repeatability, reduce handling errors, and support more consistent slide quality across routine laboratory work.

ToronMed™'s Tissue Slide Stainer range is designed for pathology, histology, hospital laboratories, teaching departments, and research environments that need dependable automation and better throughput. The uploaded brochure shows three main configurations in the series: a high-capacity continuous batch stainer, an intelligent programmable stainer with advanced washing and drying functions, and a fully automatic staining and coverslipping platform for higher-volume workflows.

Across the series, the common focus is workflow control, stable automation, and reduced manual intervention. Depending on the model, features include touchscreen operation, stored programs, automatic location memory, automatic cleaning, cyclic loading, adjustable drying, reagent monitoring, overflow protection, and integrated coverslipping. That gives laboratories the flexibility to choose a Slide Stainer that matches both daily slide volume and workflow complexity.

Product Line Up

1. High Capacity Tissue Slide Stainer – ToronTSS™ 1000

High Capacity Tissue Slide Stainer – ToronTSS™ 1000 is an automatic Tissue Slide Stainer built for continuous batch staining in routine histology and pathology workflows. It runs multiple staining racks at the same time and uses color LCD touchscreen control, automatic location memory, overflow protection, and a drying cylinder to support higher slide volume with less manual handling. This model is a strong fit for laboratories that need a straightforward high-capacity Slide Stainer with continuous operation and stored staining procedures. The brochure lists 18 cylinders, a single-basket capacity of 47 slides, and a double-basket capacity of 94 slides.

2. Intelligent Tissue Slide Stainer – ToronTSS™ 550

Intelligent Tissue Slide Stainer – ToronTSS™ 550 is a more advanced programmable Slide Stainer designed for multi-step staining with embedded PC control and a high-speed silent manipulator. It supports editable and storable programs, self-check and position calibration, hydrophobic dyeing frames, adjustable air drying, and constant-pressure dynamic cleaning. This model is suited for laboratories that want more method flexibility and more controlled slide handling across different staining procedures. The brochure shows 21 reagent tanks, up to 26 editable tank positions, 1 to 4 frames processed simultaneously, and throughput of about 120 to 300 pieces per hour depending on the staining procedure.

3. Fully Automatic Slide Stainer & Coverslipper – ToronTSS™ 2700

Fully Automatic Slide Stainer & Coverslipper – ToronTSS™ 2700 is the highest-capability model in the brochure range. It combines automated staining and coverslipping in one platform and is intended for higher-throughput workflows that need tighter reagent control, reduced manual intervention, and more efficient final slide finishing. This model includes intelligent reagent management, low-level detection, overflow alarm with automatic water shutoff, automatic program recognition for inserted racks, automatic nozzle soaking and cleaning, rack oscillation, and coverslipping with even sealing pressure. The brochure also states throughput of at least 400 slides per hour.

Why Choose ToronTSS™ Series for Your Tissue Slide Stainer?

A range built for different staining volumes

ToronTSS™ Series gives laboratories multiple automation levels within one Tissue Slide Stainer family. Labs with steady routine demand can choose a continuous batch staining model, labs that need more flexible programming can move to an intelligent system, and higher-volume labs can step up to a fully automatic staining and coverslipping platform.

Better consistency through automation

The series is built around automated rack transfer, programmable timing, and more controlled reagent movement. Features such as automatic location memory, self-check and calibration, cyclic loading, and automatic program recognition help reduce manual variation and improve repeatability in routine slide staining.

Practical support for daily laboratory work

ToronTSS™ systems are designed for hospital pathology labs, histology labs, teaching departments, and research environments. The brochure repeatedly positions the lineup for routine laboratory work where reliable daily use, stable motion, and easier workflow management matter.

Flexible workflow control

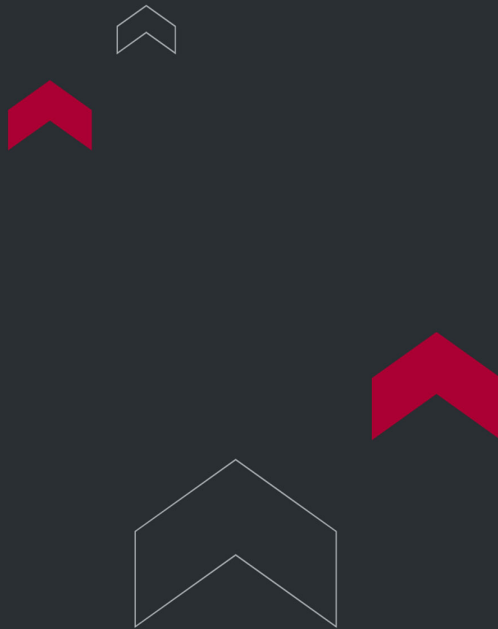
The ToronTSS™ series includes features such as stored procedures, editable programs, adjustable washing and drying behavior, and different levels of rack-handling automation. That gives labs more control over staining procedures without forcing every user into the same workflow style.

Higher throughput when needed

The lineup scales well from routine continuous batch staining to more advanced higher-throughput processing. The brochure shows capacity points ranging from multi-rack continuous staining in ToronTSS™ 1000, to 1–4 simultaneous frames in ToronTSS™ 550, to at least 400 slides per hour in ToronTSS™ 2700.

Strong fit for modern slide-preparation workflows

For labs that want to reduce manual handling and improve workflow efficiency, ToronTSS™ Series offers a practical path from automated staining to integrated staining and coverslipping. That makes the series suitable for laboratories looking to standardize slide preparation while keeping room for higher volume and more advanced automation later.



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