



TORONTECH

TISSUE CASSETTE PRINTER



Tissue Cassette Printer

ToronPath™ series represents a major advancement in cassette printer pathology solutions, designed to replace manual labeling with high-speed, digital identification. This comprehensive lineup includes the Tissue Cassette Ultraviolet (UV) Printer, the Tissue Cassette Laser Printer, and versatile thermal variants. Every Tissue Cassette Printer in the series is engineered to produce permanent, high-contrast markings that are resistant to xylene, alcohol, and decalcifying solutions, ensuring specimen traceability from the grossing station through long-term archival.

Application

Our Tissue Cassette Printer solutions are optimized for a wide range of pathology and histology environments:

- Anatomic & Surgical Pathology: High-volume labs requiring rapid, permanent labeling of tissue cassettes.
- Histology Departments: Hospital and academic medical centers transitioning to LIS/HIS-integrated workflows.
- Biobanks & Tissue Repositories: Facilities demanding archive-quality identification for long-term specimen preservation.
- Research & Veterinary Labs: Institutions requiring high-resolution QR code support for complex data capture and specimen traceability.
- Bench-Constrained Sites: Satellite labs and small clinics needing a compact footprint without sacrificing print quality.

Product Table Comparison

Feature	ToronPath™ TC-100UV	ToronPath™ TC-UV	ToronPath™ TC / TC-i	ToronPath™ TC-LS
Printing Tech	UV Laser (Non-contact)	UV Laser (Non-contact)	Thermal (TC) / IR Laser (TC-i)	Infrared (IR) Laser
Best For	Max throughput for high-volume clinical labs	High-speed precision with sliding rail output	Space-constrained grossing stations	Cost-efficient laser-quality identification
Print Resolution	2500 dpi	2500 dpi	300 dpi (ToronPath™ TC) / 2500 dpi (ToronPath™ TC-i)	2500 dpi

Feature	ToronPath™ TC-100UV	ToronPath™ TC-UV	ToronPath™ TC / TC-i	ToronPath™ TC-LS
Print Speed	≤ 3s / cassette	≤ 4s / cassette	5-7s (ToronPath™ TC) / ≤ 4s (ToronPath™ TC-i)	≤3s / cassette
Max Collection	≥ 100 cassettes	≥ 28 cassettes	≥ 5 cassettes	≥ 100 cassettes
Footprint Width	313 mm	430 mm	≤ 110 mm	313 mm

Why Choose the ToronPath™ TC Series for Your Tissue Cassette Printer?

Choosing a ToronPath™ Tissue Cassette Printer ensures your laboratory achieves world-class specimen identification with the lowest operational cost.

- **Consumable-Free Laser Technology:** Both our Tissue Cassette Ultraviolet (UV) Printer and Tissue Cassette Laser Printer models utilize non-contact laser beams to create markings. This eliminates the need for ribbons, inks, or toners, removing the risk of specimen contamination and reducing long-term maintenance costs.
- **Ultra-High Resolution Identification:** With a standard resolution of 2500 dpi, our laser systems can clearly render complex 2D QR codes and high-density barcodes on the small printing surface of a tissue cassette, meeting the stringent requirements of modern Pathology Information Systems (PIS).
- **Superior Chemical Resistance:** Every cassette printer pathology imprint is designed to be permanent. Markings are integrated into the cassette material itself, allowing them to withstand immersion in xylene, alcohol, and decalcifying fluids without fading or peeling.
- **Seamless System Integration:** ToronPath™ printers feature standalone computing platforms with built-in operating systems, eliminating the need for external PCs. They offer native compatibility with LIS, HIS, PIS, and PACS for efficient, error-free data transmission.
- **Advanced Laboratory Safety:** Integrated composite air treatment functions capture particulates generated during the laser ablation process, maintaining a safe and clean air environment for laboratory personnel.
- **Unmatched Versatility:** From the ultra-compact 110 mm width of the standard TC series to the high-throughput batch printing of the ToronPath™ TC-100UV, we provide a Tissue Cassette Printer tailored to every laboratory volume and

budget.



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