



SLIDE PRINTER

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A Slide Printer is a professional-grade instrument designed to provide permanent, high-resolution identification for glass microscope slides. Utilizing advanced non-contact UV or infrared laser technology, these printers engrave text, barcodes, and QR codes directly onto the slide surface without the need for consumables like ink or ribbons. This process ensures that markings are inherently resistant to xylene, alcohol, and decalcifying fluids, maintaining specimen traceability throughout the full histological processing cycle and long-term archiving.

Application

The ToronPath™ SP series is engineered for diverse clinical and research environments:

- Histopathology & Anatomical Pathology: Essential for high-volume surgical pathology requiring permanent slide labeling.
- Cytology Departments: Ideal for laboratories utilizing barcode and QR code-based specimen tracking.
- Clinical & Hospital Laboratories: Supports facilities integrated with LIS, HIS, PIS, or PACS systems for end-to-end traceability.
- Research & Biobanking: Provides reliable, contamination-free slide handling for long-term specimen archiving.

Product Table Comparison

Model	Technology	Resolution	Capacity	Best For
ToronPath™ SP-UV	UV Laser	2500 dpi	≥100 slides	Standard clinical pathology and hospital workflows.
ToronPath™ SP-150UV	UV Laser		≥150 pcs (Batch)	Contamination-free retrieval with FIFO management.
ToronPath™ SP-DUV	Dual UV Laser		≥200 slides	High-volume continuous use via dual-hopper loading.
ToronPath™ SP-140UV	UV Laser		≥140 slides	Light-sensitive environments with light-absorbing design.

Model	Technology	Resolution	Capacity	Best For
ToronPath™ SP-260 / i	Thermal / IR	300/2500 dpi	≥260 slides	Space-constrained labs require a slim ≤110 mm width.
ToronPath™ SP-IR	Infrared Laser	2500 dpi	≥100 slides	Cost-efficient laser marking for standard glass slides.

Why Choose ToronPath™ SP Series for Your Slide Printer?

Choosing a ToronPath™ SP Slide Printer ensures world-class accuracy and operational efficiency:

- **Consumable-Free Laser Technology:** Most models use UV or infrared laser engraving, which eliminates the ongoing cost and contamination risks associated with ribbons, ink, or laser powder.
- **Ultra-High Resolution Marking:** Achieve exceptionally sharp 2500 dpi resolution, allowing for the clear reproduction of dense 2D QR codes and fine alphanumeric text on standard microscope slides.
- **Standalone Intelligence:** Every Slide Printer in the series features a built-in operating system and a 10.1-inch (or 7-inch for the SP-260) color LCD touchscreen, allowing for full standalone operation without an external PC.
- **Seamless Integration:** Native compatibility with LIS, HIS, PIS, and PACS ensures that your slide labeling is fully integrated into your hospital's existing data network.
- **Advanced Safety & Cleanliness:** Built-in composite air treatment functions capture particulates, while designs featuring outward-facing lacquer sides ensure contamination-free slide retrieval.
- **Compliance & Reliability:** All instruments are designed in accordance with international standards, including ISO 15189, CLSI guidelines, and IEC 61010-1 safety requirements.



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