

Labotemp Expands Rotary Microtome Portfolio with Precision Tissue Sectioning Solutions for Modern Laboratories

Advanced manual, semi-automatic, and full-automatic microtome systems designed for histopathology, diagnostics, and research laboratories worldwide



Casper, Wyoming May 4, 2026 (Issuewire.com) - Labotemp Systems LLC is pleased to announce the expansion of its advanced rotary microtome portfolio, introducing a comprehensive range of manual, semi-automatic, and full-automatic tissue sectioning systems engineered for modern histopathology, diagnostic, educational, and research laboratories worldwide.

The expanded portfolio includes precision models such as ROM-01, ROM-03, ROM-05, ROM-06, ROM-07, etc. are designed to support laboratories requiring consistent, high-quality tissue sectioning for microscopy, pathology analysis, and sample preparation. With section thickness capabilities ranging from **0.5 µm to 100 µm**, the portfolio delivers exceptional cutting precision for routine and advanced laboratory workflows.

Labotemp's rotary microtome systems integrate advanced engineering features including automated specimen feed, programmable sectioning controls, touchscreen interfaces, precision stepper motors, cross-roller guide mechanisms, specimen retraction technology, and 360-degree specimen orientation systems. These features help laboratories achieve repeatable section quality while improving workflow efficiency and operator comfort.

The ROM-01 full-automatic model supports motorized precision sectioning with programmable cutting speeds, while the ROM-06 and ROM-07 semi-automatic systems combine intelligent electronic control with flexible manual operation. Manual models including ROM-03 and ROM-05 provide stable mechanical performance, precise specimen positioning, and dependable long-term operation for routine pathology applications.

Each system is engineered with operator safety, ergonomic performance, and long-term reliability in mind. Manufactured under ISO-compliant production processes and meeting CE certification requirements, Labotemp microtome systems reflect the company's commitment to global laboratory quality standards.

Harrison James, Product Specialist at Labotemp Systems LLC, commented, *"We are excited to introduce our expanded rotary microtome portfolio to the global laboratory community. These systems are designed to support pathologists, researchers, and laboratory professionals with dependable precision, efficient workflow performance, and consistent sectioning quality."*

This latest expansion further strengthens Labotemp's position as a trusted manufacturer of laboratory equipment serving hospitals, pathology laboratories, universities, and research institutions worldwide.

To explore the complete rotary microtome portfolio, visit:
<https://www.labotemp.com/rotary-microtome>



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