



The Foundation of Diagnosis

Histopathology Equipment and
Consumables Product Range

celinepath.com



Celine: The Foundation of Diagnosis

Behind every diagnosis lies a journey of preparation. With 40 years of expertise, our instruments ensure tissues are fixed, processed, embedded, and stained with precision — delivering diagnostic slides that pathologists can trust.

For over 40 years, we have advanced histopathology in India through engineering excellence, precision, and innovation. As the country's first home-grown histopathology company built on international standards, we offer end-to-end solutions that process biopsies for diagnosis with reliability and clarity.

With full in-house manufacturing and design capabilities, every product is developed under rigorous quality control and informed by real-world insights from our in-house histopathology technicians. This ensures our systems are not only technically advanced, but also attuned to the needs of daily lab practice.

Our commitment extends beyond manufacturing. A pan-India network of service technicians provides dependable after-sales support, keeping laboratories running without interruption.

Certified by CDSCO, ISO 13485, and IEC 60601-1, our products meet the highest global benchmarks for safety and performance. Trusted by premier research and medical institutions nationwide, we are more than equipment providers — we are partners in the histopathology journey, dedicated to enabling accurate, timely cancer diagnosis.

OUR CERTIFICATIONS



International
Electrotechnical
Commission



Our Product Range



1. Tissue Processing Pg.03

Reliable results start here. Automated tissue processors ensure consistent paraffin infiltration and worry-free preservation.

Products

- + Ciron I (1.8L) & Ciron II (2.2): Carousel Tissue Processor
- + Protean: Vertical Tissue Processor



4. Staining Systems Pg.27

Consistent, high-quality staining every time. AutoHue slide stainers ensure slides are ready for clear and brilliant visualisation.

Products

- + AutoHue: Slide Stainers



2. Embedding Pg. 09

Stability meets accuracy. Embedding stations and cold plates give every block the perfect orientation for flawless sections.

Products

- + EmbedPro: Tissue Embedding Stations
- + Celsis: Cold Plates



5. Consumables Pg.30

Everyday essentials that keep your lab running seamlessly. Designed for consistency, reliability, and compatibility across workflows.

Products

- + Blades
- + Embedding Moulds
- + Embedding Cassettes
- + Tissue Processor Jars



3. Microtomy Pg.15

The heart of histopathology. Our microtomes deliver razor-thin precision—whether manual, semi-automatic, or fully automated.

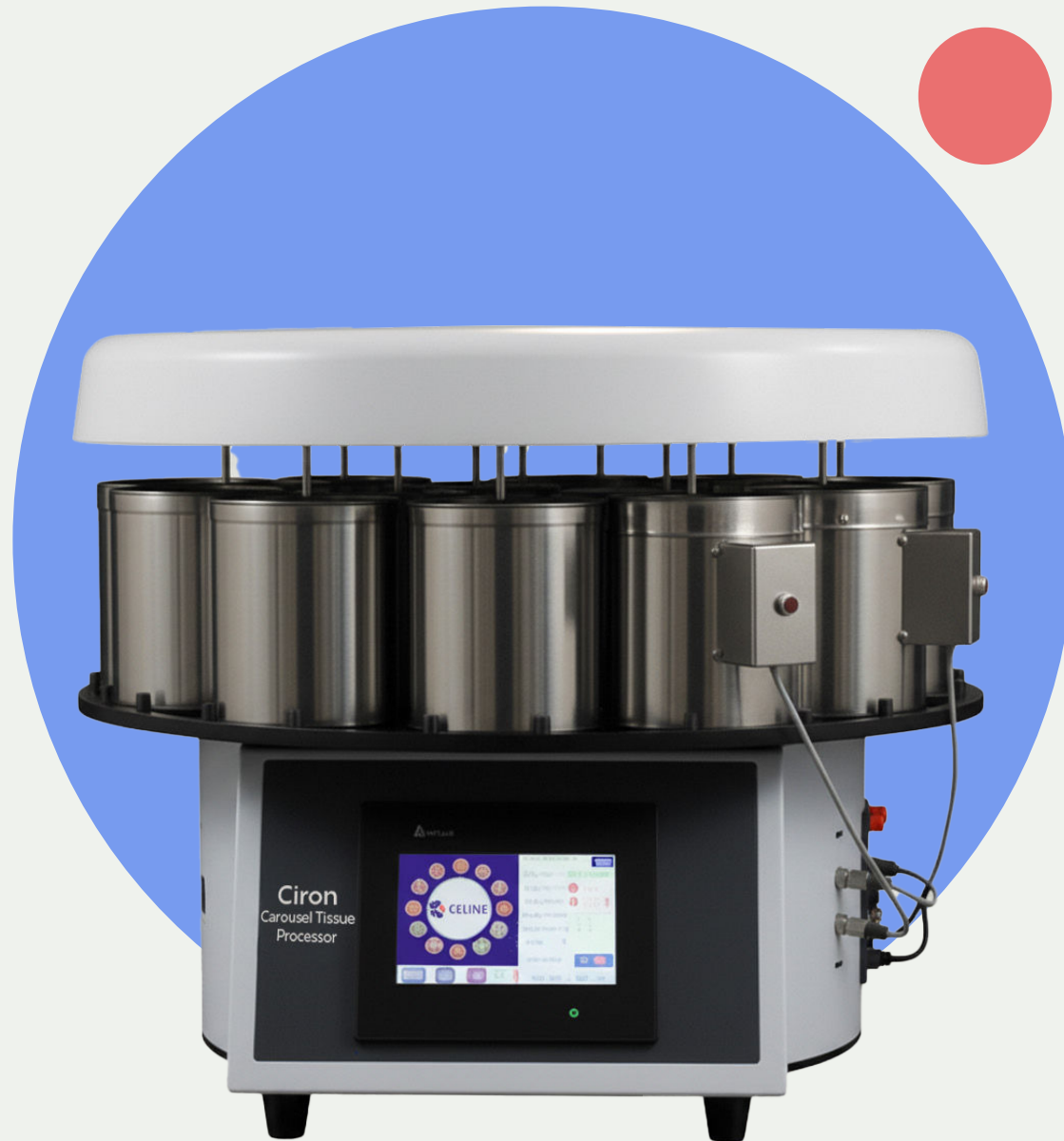
Products

- + AutoPut: Fully Automatic Microtomes
- + PreciOne: Semi-Automatic Microtomes
- + Sectra I: Manual Microtomes
- + Stratys: Cryostats / Frozen Section

Ciron

Carousel Tissue Processor

Ciron (Carousel Tissue Processor) is engineered for high-throughput tissue processing in a compact design. With a fully integrated touchscreen interface, it offers intuitive control of cycles, temperature, and timing. Its robust build, large reagent capacity, and smooth motorized carousel ensure consistent results, making it the ideal solution for labs that need efficiency, reliability, and ease of operation.



Features

Agitation of cassettes

Cassette cages have in-built motors for agitation, allowing complete infiltration of reagents in the tissues



Reagent System

Ten 1.8L glass beakers with secure carriers



Compact Carousel

Space-efficient design with maximum throughput



Dual Paraffin Stations

Two paraffin stations with temperature control and monitoring for consistent infiltration of paraffin



Quiet & Reliable

High-performance motor ensures smooth and silent operation



Easy Maintenance

Fixed circular platform, easy to clean and maintain



Technical Specifications

Height	558 mm
Diameter	1702 mm
Number of Reagent Beakers	10
Beaker Capacity	1.8 L each
Basket Capacity	~100 cassettes
Speed	60 rpm
Temperature Range	Up to 75°C
Paraffin Stations	2
Power Supply	220 V / 50 Hz



Protean

Vertical Tissue Processor

Protean Vertical Tissue Processor is a fully enclosed, high-capacity histopathology solution designed to process up to 300 standard tissue cassettes with precision and safety. Equipped with a large touchscreen interface, programmable retort cycles, and intelligent protection systems, it ensures consistent tissue processing with minimal supervision. Its ergonomic vertical design, 5L reagent capacity, and robust automation make it a reliable choice for modern laboratories.



Features

Digital Connectivity

Serial communication port, USB/printer port, alarm ports with integration features with Laboratory Information Systems (LIS)



Ergonomic Design

Easy to clean, service and intuitive to use



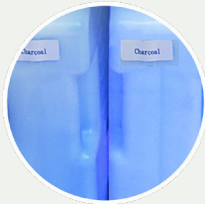
Intelligent Safety Sensors

Accurate liquid level reporting unaffected by wax buildups



Precise Distribution

Multivalve and rotary distribution system to enable error-free transfer of reagents and wax



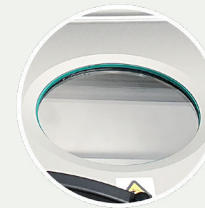
Intelligent Interface

12-inch solvent-resistant touchscreen with multiple pre-defined protocols for quick processing, with password protected supervisor mode



Sample Processing Chamber

Programmable retort for processing of 300 cassettes in one cycle, with active heating to allow quicker processing using with and without xylene modes. Reagent temperature ranging from ambient to 55° C in 1 ° increments and up to 65°C for wax



Manual Lock

With electric sensor and alarm



Reagent Management System

14 reagent containers with capacity to hold 5 litres of reagent with inbuilt level sensors to optimally manage reagents and avoid wastage



Technical Specifications

Processing Capacity	Up to 300 standard tissue cassettes
Reagent System	13 reagent containers. 3 cleaning containers, 3 paraffin containers
Wax Bath Temperature	Programmable from 40–65°C in 1°C increments (capacity 3.3 L)
Retort Temperature	Programmable from ambient to 55°C in 1°C increments, up to 65°C for wax
Impregnation Vacuum	–60 kPa; Pressure: +35 kPa
Cycle Control	Fluid recirculation (12 min first cycle, 20 min between cycles)
Filling/Draining	Filling time 60 sec; Programmable drain time 80/120 sec
Safety Sensors	Optical sensors for reagent and wax levels
Operating Modes	Ambient, vacuum, pressure, pressure/vacuum
Display	Large color LCD touchscreen interface
Power Supply	220 V / 50 Hz



EmbedPro

Tissue Embedding Station

EmbedPro Tissue Embedding Station is designed to deliver precision and flexibility for paraffin block preparation. With independently controlled heating and cooling modules, ergonomic layout, and modular design, it provides laboratories with an efficient all-in-one workstation. The intuitive controls, large working surface, and consistent temperature regulation ensure smooth workflows, operator comfort, and reproducible results.



Features

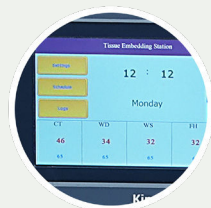
5.2 L Paraffin Tank

Large volume for high throughput laboratories



Touchscreen Control

7" reagent-resistant touchscreen with intuitive UI for seamless workflow



Independent Temperature Control

Separate regulation for paraffin, hot plate, cold spot, and tissue storage



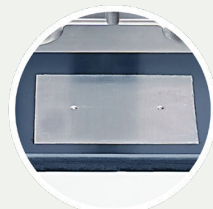
Graphite surface

Round edged graphite surface for user protection from heat and comfortable long duration usage



Cold Spot Efficiency

Maintains -5°C (optional -10°C) for rapid block solidification



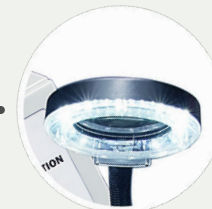
Waste trays

Waste trays for unused or discarded paraffin



Ergonomic Workspace

Integrated lens and light with flexible arm for strain-free experience and an intuitive layout



Wax Flow System

Controlled paraffin dispensing for reliable embedding



Forceps Heater

Heated stand to place up to 6 forceps to enable proper transfer of tissue. Comes with additional provision for electrically heated forceps as well



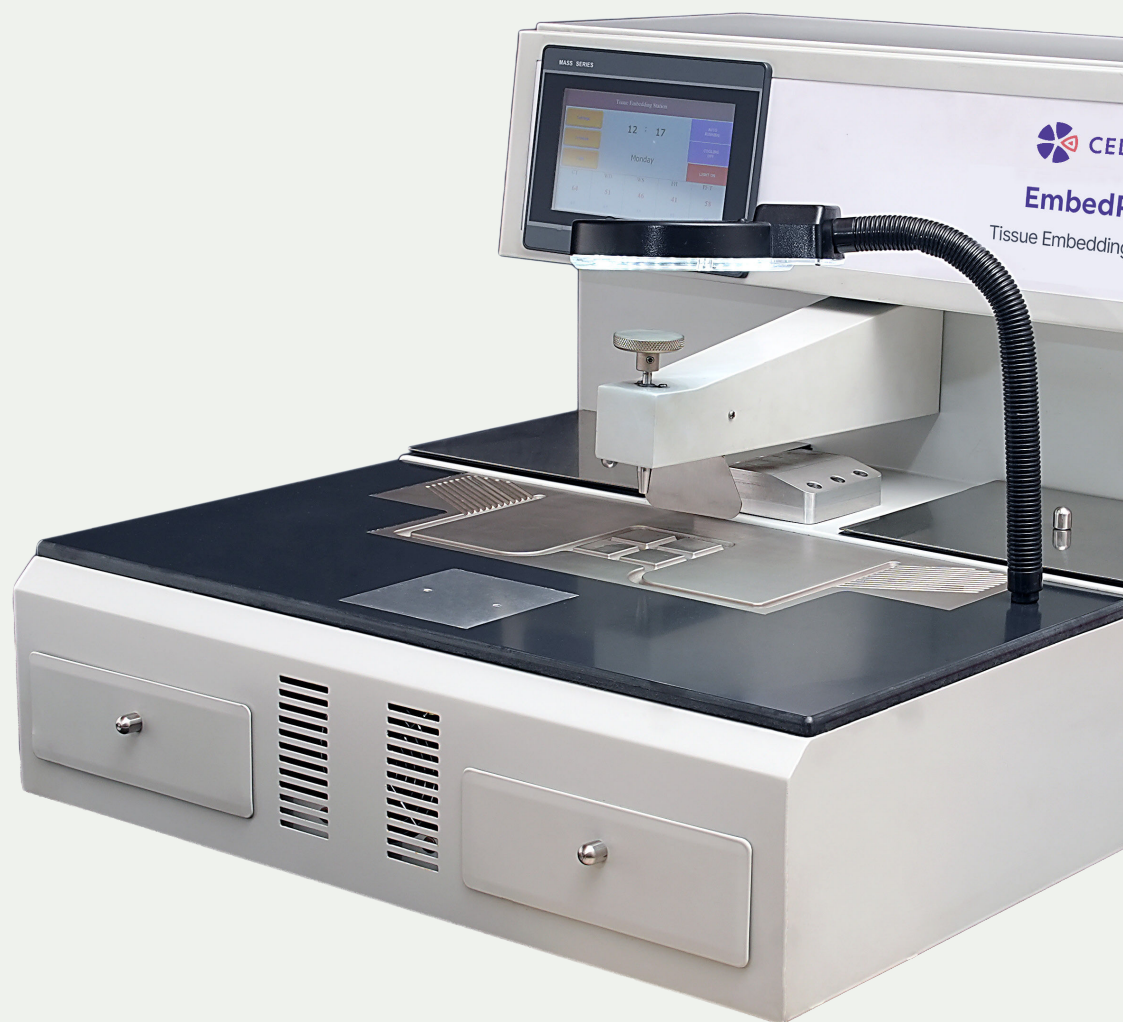
Sealed Surfaces

Multi-Surface Aluminium Plate for multiple functions viz. paraffin trimming, drainage of melted wax, surface for reorganizing tissue by melting, and cassette shaped surface for setting the wax



Technical Specifications

Paraffin Tank Capacity	5.2 L with integrated 4-position block warmer
Paraffin Tank Temperature	55–70 °C (± 1 °C)
Hot Plate Temperature	55–70 °C
Hot Plate Dimensions	(approx.): 18"X7"
Tissue Storage Temperature	55–70 °C
Cold Spot Temperature	–5 °C (optional –10 °C)
Paraffin Dispenser Module Dimensions (approx.)	24" X 29" X 19" WDH
Power Supply	220 V / 50 Hz



Celsis

Cold Plate

Cold Plate is designed for rapid and consistent specimen cooling. With compressor-based refrigeration, a durable aluminum plate, and robust safety features, it ensures reliable performance for histopathology workflows.

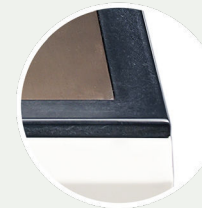


Features



Consistent Performance

Maintains stable low temperatures for uniform results



Durable Aluminium Plate

Resin-coated for protection and long life

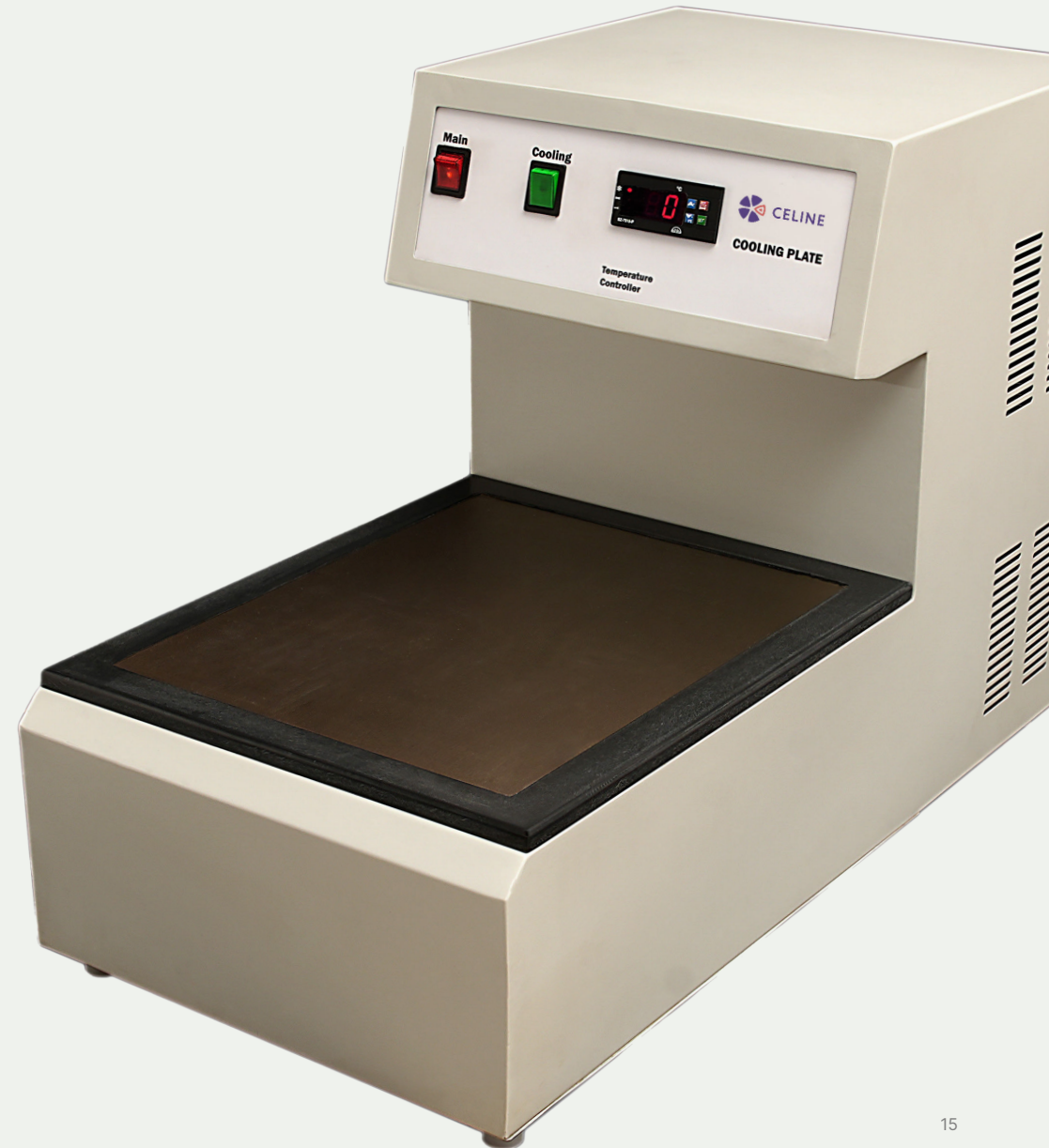


Built-In Safety

Integrated protection safeguards users and equipment during operation

Technical Specifications

Plate Material	Machine-milled aluminium with resin coating
Cooling System	Compressor-based refrigeration
Cold Plate Dimensions (approx.)	14" X 27" X 19" WDH
Operating Temperature	Down to -20 °C
Safety	Electrical safety tested with integrated circuit breakers
Cassette Capacity	Upto 140 cassettes
Power Supply	220 V, 50 Hz



AutoPut

Fully Automatic Microtome

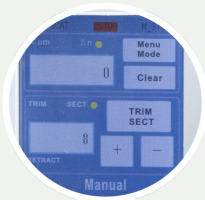
AutoPut, our fully automated microtome, is engineered for precision, efficiency, and operator comfort. Featuring a touchscreen interface, versatile sectioning modes, and advanced safety controls, it delivers reliable, high-quality sections while streamlining daily workflows. Its robust, vibration-free design ensures consistent performance even during extended use in demanding lab environments.



Features

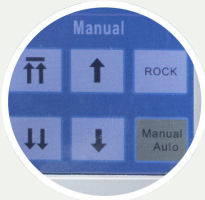
Touchscreen Display

Clear digital interface to set thickness, trimming, modes, and view section count



Dual Sectioning Control

Switch effortlessly between motorized and manual operation



Antistatic Waste Tray

Keeps the work area clean and free from paraffin build-up



Vibration-Free Base

Heavy, rigid design ensures stable and shake-free sectioning



Emergency Stop

One-touch button for instant motorized operation halt



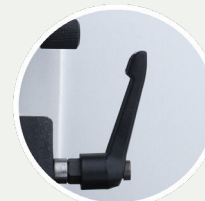
Multiple Sectioning Modes

Choose from programmed, continuous, step, or manual modes



Adjustable Section Holder

Secures specimens up to 55 × 55 mm with $\pm 8^\circ$ fine adjustments



Universal Blade Holder

Triple adjustment design for precision and flexibility



Technical Specifications

Section Thickness Indication	Touch screen display
Section Thickness Range	0.25 – 100 µm
Section Thickness Setting Values	0.25 – 4 µm in 0.25 µm increments 4 – 10 µm in 1 µm increments 10 – 20 µm in 2 µm increments 20 – 100 µm in 5 µm increments
Trimming Section Thickness Range	1 – 600 µm
Trimming Section Thickness Setting Values	1 – 10 µm in 1 µm increments 10 – 20 µm in 2 µm increments 20 – 100 µm in 5 µm increments 100 – 200 µm in 10 µm increments 200 – 600 µm in 25 µm increments
Coarse Specimen Advance	Adjustable from 1 – 99 µm
Horizontal Specimen Feed	28 mm ± 2 mm
Vertical Specimen Feed	72 mm ± 2 mm
Specimen Orientation (XY Axis)	±8 degrees
Specimen Orientation (Z Axis)	360 degrees rotation
Specimen Holder Size	Standard 55 × 55 mm
Knife Holder Base	Supports microtome knives from 100-300 mm
Power Supply	220 V / 50 Hz



PreciOne

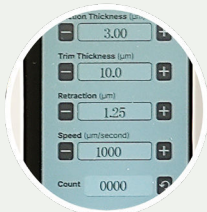
Semi-Automatic Microtome

The Semi-Automatic Microtome combines digital precision with ergonomic design for reliable tissue sectioning. Featuring a touchscreen panel for easy adjustments, a smooth-running hand wheel, and triple-adjustable blade and specimen holders, it ensures accuracy and operator comfort. Its rigid base delivers shake-proof performance, while a waste tray and durable GI-coated body simplify cleaning and maintenance. Designed for efficiency, safety, and consistency, it is ideal for routine and research laboratories.



Features

Touchscreen Panel
Intuitive digital interface for precise control and advanced adjustments



Easy Maintenance
Waste tray for clean operation; durable GI-coated body for long-lasting use



Stable Heavy Base
Rigid structure ensures shake-proof, consistent operation



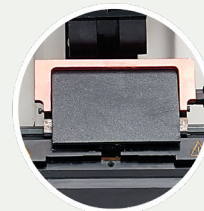
Smooth Hand Wheel
Ergonomic design with fluid motion; reduces hand stress and locks securely



Adjustable Section Holder
Holds specimens up to 55×55 mm; ±8° XY adjustment with motorized movement



Adjustable Blade Holder
Triple adjustment (lateral, angular, vertical) with locking knobs and finger guard



Technical Specifications

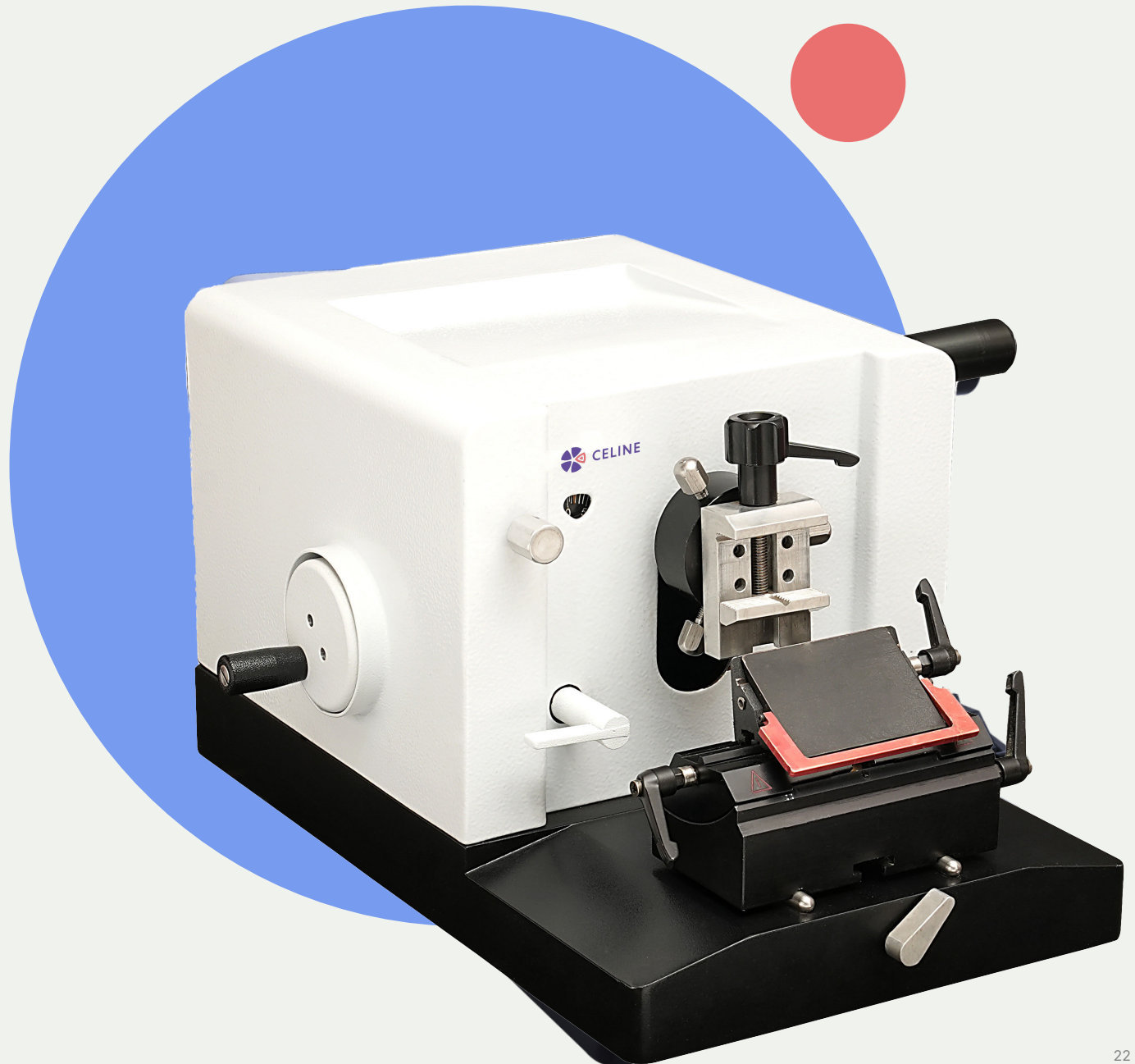
Section thickness range	0.25 – 100 µm
Section thickness setting values	0.25 – 4 µm in 0.25 µm increments 4 – 10 µm in 1 µm increments 10 – 20 µm in 2 µm increments 20 – 100 µm in 5 µm increments
Trimming section thickness range	1 – 600 µm
Trimming section thickness setting values	1 – 10 µm in 1 µm increments 10 – 20 µm in 2 µm increments 20 – 100 µm in 5 µm increments 100 – 200 µm in 10 µm increments 200 – 600 µm in 25 µm increments
Horizontal specimen feed	28 mm ± 2 mm via step motor
Vertical specimen feed	70 mm ± 2 mm
Specimen retraction	0 – 40 µm in 1 µm increments
Specimen orientation and rotation	Horizontal: ±8 degrees Vertical: ±8 degrees 360° rotation
Specimen holder dimensions	55 × 55 mm
Power Supply	220 V / 50 Hz



Sectra 1

Manual Microtome

Spencers Rotary Microtome are manually operated advanced rotary microtomes, used to produce thin sections of specimens of different hardness in both routine and research applications in biology, medicine and industry. Routine and research applications in biology, medicine and industry.



Features

Manual Display

Shows change in micron settings

Manual Adjustment Knob

Sets the micron setting for cutting of the section

Manual Adjustment Wheel

Regulates forward and backward adjustment of section holder

Standardised Section Holder

Classp embedding rings of up to 55 mm x 55 mm. With three knobs in place, users can adjust the position of the same by ± 8 degrees on the X,Y and Z axis

Hand Wheel

Smooth hand wheel for effortless operation

Universal Blade Holder

Has triple adjustment modes to maximise utility

Heavy and Rigid Base

Gives support to blade holder renders shake proof operation

Technical Specifications

Section thickness range	0.5 – 60 μm
Section thickness setting values	0.5 – 2 μm in 0.5 μm increments 2 – 60 μm in 1 μm increments
Horizontal specimen feed	25 mm
Vertical specimen feed	60 mm
Specimen orientation and rotation	Horizontal: ± 8 degrees Vertical ± 8 degrees 360 degree rotation
Specimen holder dimensions	55 $\times$ 55 mm



Stratys

Cryostat

Cryostat Microtome delivers precision frozen sectioning for clinical and research applications. With advanced refrigeration, intuitive controls, and ergonomic safety features, it ensures consistent thin sections of fresh tissue at ultra-low temperatures. Designed for reliability and operator comfort, it is the ideal solution for high-throughput laboratories.



Features

Position Memory

One-touch memory restores specimen head to its last position for efficiency



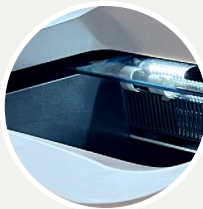
Adaptive Illumination

Adjustable chamber lighting ensures clear visibility while reducing eye fatigue



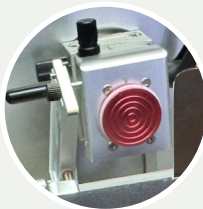
Reproducible Sections

Precision-oriented, motorised microtome delivers consistent and high-quality frozen sections



Engineered Stability

Stratys provides designated storage shelves for multiple samples and tools for multi-sample testing



Intuitive Interface

Large touchscreen displays all parameters clearly, with easy switching between trimming and sectioning



Smart Workflow

Built-in operation logs, user permissions, and scheduling functions streamline lab management



Low-Fatigue Operation

Smooth, light hand-wheel minimises strain from repetitive motion



UVC Safety & Scheduling

Automated disinfection, defrosting, and timed wake-up enhance lab uptime and safety



Technical Specifications

Temperature Range	Chamber down to 0 °C to -35 °C ± 5 K, adjustable in 1 K increments, at ambient temperature of 20 °C; Specimen head down to -50 °C; Peltier station down to -60 °C
Display	12-inch colour intuitive touchscreen for complete settings control
Defrosting	Automatic and manual user control with custom scheduling and up to 24 hr cycle
Freezing Stations	20 stations + 3 Peltier elements
Peltier elements	-60 °C + 3 °C (at freeze shelf temperature of -42 °C (+5 °C))
Maximum Specimen Size	50 X 80 mm
Specimen Orientation	8 Degrees (In the orientation Section)
Course Feed	300 $\mu\text{m/s}$ (Slow) 900 $\mu\text{m/s}$
Section Thickness	1–100 μm adjustable in fine increments
Trimming Thickness	5 - 600 μm adjustable in fine increments
Horizontal feed	28 ± 1 mm
Vertical Stroke:	59 ± 1 mm
Operation Modes	Trim/Sect switching, dormancy mode, appointment wake-up
Safety	UVC disinfection 30 or 180 minutes, user selectable, visual status lamp, hand wheel lock, finger protection from blade
Dimensions	~830 $\times$ 820 $\times$ 1225 mm (hand-wheel included)
Power Supply	220 V / 50 Hz



Autohue

Slide Stainer

Celine's AutoHue is an automated multiple slide staining system designed to improve efficiency, consistency, and throughput in histopathology laboratories. It supports continuous loading, multiple simultaneous programs, and offers precise control over staining cycles.



Features

Safe and Reliable Operation

Enclosed system with spill-resistant reagent containers, optimised reagent use, and durable construction



High Throughput

Capable of processing up to 400 slides per hour



Easy Protocol Management

Operators can input and customize protocols easily



Intuitive Interface

Large 10-inch touch screen with clear visualisation of protocols and real-time monitoring. Fully automated staining process with programmable protocols



Efficient Station Design

Dedicated reagent, wash, loading, and unloading stations streamline workflow



Flexible Programming

Up to 10 different staining protocols available for selection



High throughput with parallel processing

Supports 10 racks working simultaneously with up to 4 different programs running at the same time. Capable of processing up to 400 slides per hour

Technical Specifications

Staining Rack Capacity	30 slides per rack
Loading Capacity	Up to 10 racks running from different programs, continuous loading supported
Program Capacity	10 total staining protocols; maximum of 4 protocols can run simultaneously
Throughput	Up to 400 slides per hour
Reagent Volume per Station	500 ml
Total Stations	36
Reagent Stations	26 (each with 500 ml volume)
Wash Stations	5
Loading Stations	2
Unloading Stations	3
Touch Screen Size	10-inch digital display
Protocol Visualisation	Intuitive visualisation of staining protocols and process steps
User Input	Easy customisation and input of staining protocols
Equipment Size	1050 × 615 × 590 mm
Construction	Compact, bench-top installation with enclosed design
Power Supply	220 V / 50 Hz



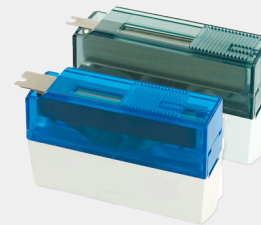
Consumables

Everyday essentials that keep your lab running seamlessly. Designed for consistency, reliability, and compatibility across workflows.



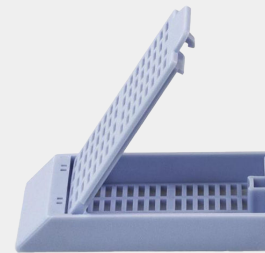
Embedding Moulds

- + Stainless steel, reusable, easy to clean
- + Available sizes: 15 × 15 × 5 mm, 20 × 20 × 5 mm, 25 × 25 × 5 mm



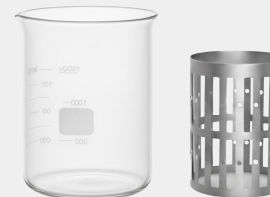
Disposable Microtome Blades

- + High-profile and low-profile options
- + Pack of 50 – sharp, precise, consistent cutting



Embedding Cassettes

- + Standard size: 25 × 25 × 10 mm
- + Secure locking with optimal fluid exchange design



Tissue Processor Jars

- + Available capacities: 1.8 L and 2.2 L
- + Durable glass with robust metal construction



Bravis Innovations Private Limited is redefining medical and industrial excellence in India. Building on four decades of expertise as Rattan Sales Corporation, Bravis is home to two pioneering brands — Celine, focused on advancing histopathology, and Wostock, specializing in cutting-edge cold chain solutions. With in-house design, engineering, and manufacturing at our Sonipat headquarters, and a nationwide service network, Bravis is committed to innovation, reliability, and global standards. From preserving life-saving samples to enabling accurate diagnoses, Bravis delivers technology that healthcare and industry can trust.

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