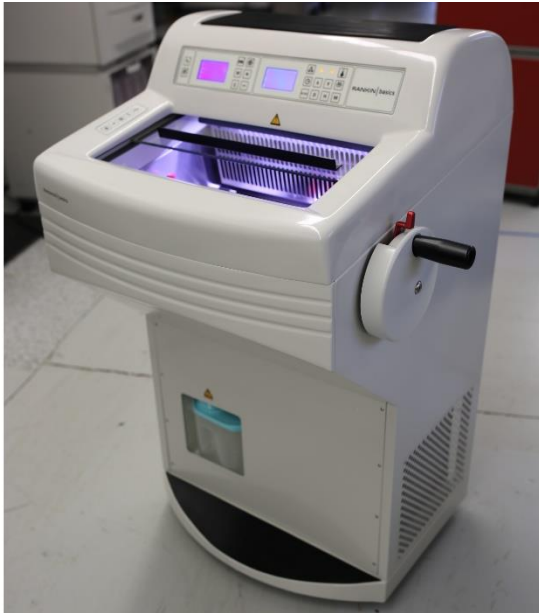
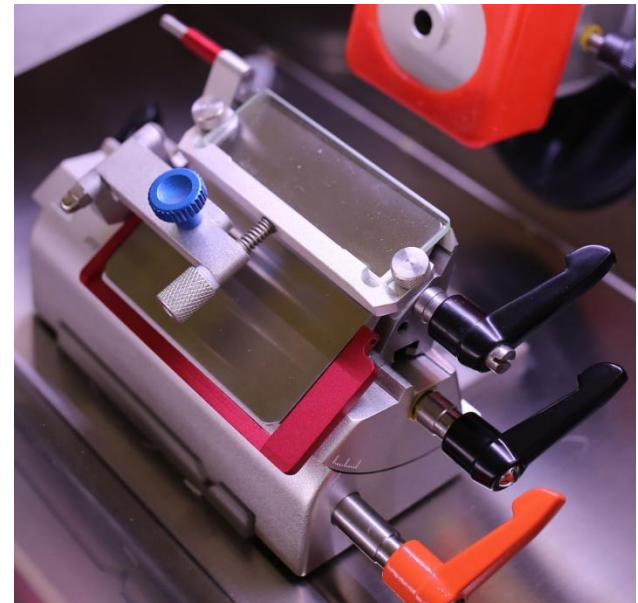


Rankin Basics Cryostat

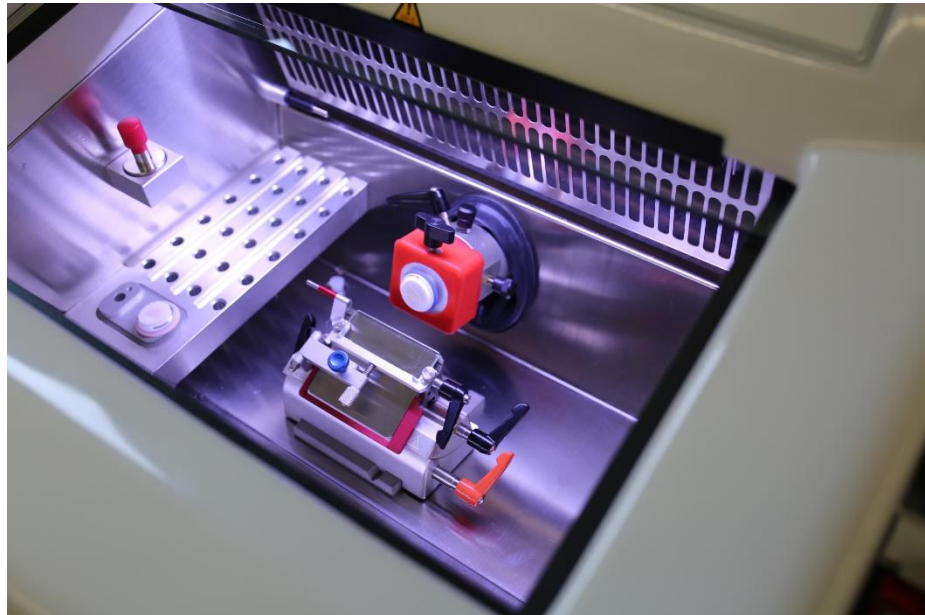
CRY85



- 2-Year Parts & Labor Warranty
- Independent control of the specimen head via a **second compressor** and designated specimen head cooling system.
- A large-size quick-freezing shelf allows for the preparation of 26 specimens at the same time.
- Two Peltier-cooled specimen disc spaces on the quick-freeze shelf.
- 2-in-1 blade holder for **low and high profile disposable blades** comes standard.
- **UV light** comes standard, which enables surface disinfection of harmful bacteria, viruses, and spores. Recommended usage is for 35 minutes following use.
- The microtome is not in the refrigeration chamber in order to avoid the effect of heat-expansion and cold-contraction, thus minimizing the need for maintenance.
- The LCD screen displays the number of sections and the total thickness, section thickness, specimen retraction value, temperature setting, date, time, temperature, and on/off timer.



- **Specimen retraction** function protects the specimen from blade damage.
- Trim button allows for easy switching between **trim and sectioning mode**.
- “Rocking” the handwheel can be achieved for quickly advancing the specimen without making a section.
- Includes a counting function for the number of sections and the total thickness.
- Two defrosting modes: time defrosting and manual defrosting.
- Auto-sleep function results in longer compressor life.
- The cryo-chamber temperature automatically stays in a range of -1 to -9°C in the sleep mode, and returns to the sectioning temperature within 15 minutes after canceling the sleep mode.
- Keyboard locking function to avoid accident mis-operation.
- Self-detection function for the temperature sensor to warn the operator of failure of the temperature sensor.



Technical Specifications

Section Thickness Range: 1-100µm, adjustable

1-20µm, Increment: 1µm
 20-40µm, Increment: 2µm
 40-100µm, Increment: 5µm

Trimming thickness range: 5-500µm, adjustable

5-50µm, Increment: 5µm
 50-100µm, Increment: 10µm
 100-500µm, Increment, 50µm

Specimen retraction: 0-90µm, adjustable
 0-60µm, Increment: 5µm
 60-90µm, Increment: 10µm

Specimen Orientation: XY – 12°; Z– 360°
 adjustable at any orientations to ensure precise placement

Chamber temperature: -10°C~-40°C Adjustable

Horizontal stroke: 22mm
 Vertical stroke: 72mm
 Maximum Specimen Size: 40mm×40mm
 Number of freezing stations: 26
 Peltier number: 2

Refrigerant: R404a,300±10g
 Working noise: 45dB(A)
 Voltage: AC 110V/220V ±10V
 Frequency: 60/50 Hz±1Hz
 Power: 500W-675W

Dimensions: 800 x 700 x 1190 mm
 Weight: 135kg