



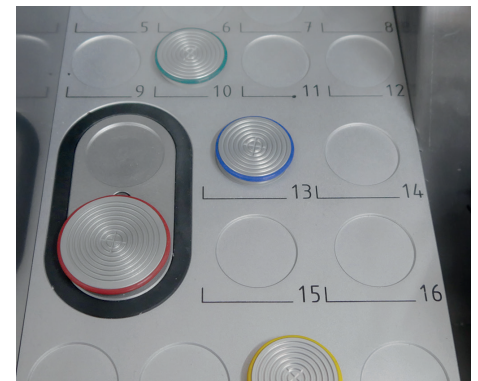
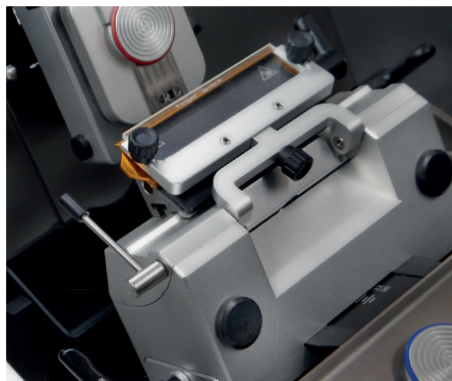
The **Cryostat M630** is an extensively equipped laboratory device for high-speed cryo sections with a powerful cooling unit and a high-precision, semi-automatic microtome. The standard model comes with a specimen clamp with fine adjustment, and UV light disinfection. With plenty of free room at knee height, the **Cryostat M630** can be used in a sitting position as well as standing position. As special feature, two fixed height adjustments are available, in order to adjust the **Cryostat M630** as best as possible to the comfort of the main user.

The cooling chamber of the **Cryostat M630** is illuminated with an LED light strip, the brightness of which can be dimmed up or down. The powerful cooling unit reaches a temperature of down to  $-35^{\circ}\text{C}$ . Inside the cooling chamber is a deep freezing rail with 20 positions for tissue samples. Two additional quick freeze positions can cool down to  $20^{\circ}\text{C}$  below chamber temperature and can be set separately.

The cooling chamber is closed with a safety glass pane that is heated and thus prevents the formation of condensation on the pane.

Microtome and cooling chamber are operated and set using two separate touch displays. They are positioned above the cooling chamber for easy access and intuitive to use.

The **Cryostat M630** can be defrosted automatically using a timer function or manually. The smooth stainless steel surfaces of the cooling chamber allow easy cleaning and disinfection. Any condensation that may arise during operation is drained to a collecting bottle via the integrated drainage system.



An easy-going handwheel is included for using the microtome. It is lockable to prevent unintentional movements, protecting samples and users. The horizontal feed and sample retraction are motorized.

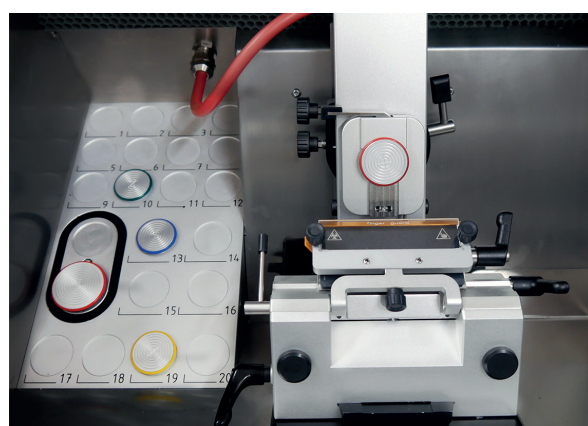
A fine adjustment mechanism is already integrated as standard with the specimen clamp holder. The specimen clamp can be aligned horizontally and vertically and is characterized by its particular stability. The blade holder can be easily corrected using an angle mark. The blade clamp is adjustable via grids in order to use the blade precisely and to its full extent. It also has a manual guard.

The **Cryostat M630** has low energy consumption and is both resource-saving and quiet. Included in the delivery are five sample holders and a magnetic brush for the safe exchange of microtome blades. Blade holders are available separately.

Technical Data		Cat. No.
Fine Section Thickness Setting Range:	from 1 µm to 100 µm in 1 µm steps	
Trimming Section Thickness Setting Range:	from 5 µm to 100 µm in 5 µm steps from 100 µm to 500 µm in 50 µm steps	
Specimen Retraction:	25 µm	
Horizontal Specimen Feed:	30 mm	
Vertical Stroke:	70 mm	
Specimen Orientation:	360° in Z and 8° in X and Y axes	
Cooling Capacity:	down to -35 °C (+/- 1 °C) at a room temperature of 20 °C	
Defrost Function:	automatically (time controlled) or manually	
Deep Freezing Rail:	20 positions, plus 2 quick freeze positions	
Temperature Quick Freeze Positions:	ca. 20 °C below chamber temperature	
Working Height (front edge of cooling chamber):	1,035 mm standard, adjustments possible	
Dimensions (W/D/H):	650 x 840 x 1120 mm	
Weight:	ca. 127 kg	
Power Supply:	230 V / 50 - 60 Hz	04-5300-01
	115 V / 50 - 60 Hz	04-5200-01

The following accessories are available for use with the **Cryostat M630**:

Item	Packing Unit	Cat. No.
Blade Holder Cryostat for Microtome Blades, Low Profile	1 pc.	39-0124-00
Combination Blade Holder Cryostat, High and Low Profile	1 pc.	24-3366-00
Universal Knife Holder for High and Low Profile	1 pc.	24-3458-00
Standard Knife Holder N	1 pc.	24-3500-00
Anti-roll guide, two-armed	1 pc.	24-3260-00
Sample holder 30 mm red	1 pc.	39-0136-00
Sample holder 40 mm red	1 pc.	39-0138-00
Magnetic Brush for Cleaning and safe Removal of Blades	1 pc.	51-0046-00



## Cryostat with Object Cooling **Cryostat M650**

- Semi-automatic Cryostat with **integrated object cooling**
- Additional concentrated cooling directly at the object clamp
- Ergonomically valuable free space for legs
- Adjustable footrest, swivel-type
- Deep freezing rail with 20 positions
- Two quick freezing positions, max. -65 °C
- Heated arm rest
- Cat. No. 04-5400-00

**MEDITE Medical GmbH**

Wollenweberstr. 12 • 31303 Burgdorf • Germany

Phone +49 5136 88 84-0 • Fax +49 5136 88 84-55

info@medite.de • www.medite.de