Histo Line MC 5000 is a semiautomatic rotary microtome cryostat , dual freezing system with UVC lamp decontamination and automatic defrosting. MC 5000 is provided with disposable blade holder ,anti roll device and adjustable cutting angle. Easy to operate, all function are settable through keyboard. The motorized coarse feed control is accessible through a separate control panel.

Technical Specifications

Approvals: CE IVD

Microtome:

Section thickness range : 1-60μm Adjustable ,
Increment : 1μm , Increment : ±20%。
Trimming thickness range : 10～300μm Adjustable ,
Increment : 10μm , Increment:±20%。
Specimen retraction : 20μm
Horizontal stroke : 25mm
Vertical stroke : 45mm
Specimen orientation : 8° (X,Y,Z three directions)

Cryostat

Voltage : 220V±10%
Frequency : 50Hz
Power : 850 V/A
Chamber temperature : -10℃～-35℃ Adjustable
Freezing shelf temperature : ≤-50℃
Number of freezing station : 18
Peltier number : 2
Refrigerant: R404a,300g±10g
Compressor oil: 0.6L EMKARATE RL-22S, ICI

Dimensions :

Width (No hand wheel) 680 mm
Width (With hand wheel) 826 mm
Depth: 700 mm
Height: 1150 mm
Weight : 126 kg

NB: Specifications are subject to change without any prior notice



MC 5000

Microtome Cryostat Dual Freezing System
UVC Lamp Decontamination
Automatic Defrosting

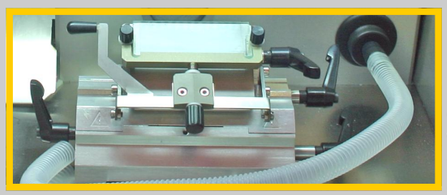
Via Brembo, 27 - Milano Italy Tel: +39 0255230061 Fax: +39 0255213764 Email: histoline@histoline.com URL: www.histo-online.com

Ergonomic coarse feed panel
The motorized, two speed, coarse feed control is positioned on the left of the surface for an easy forward and backward of specimen.

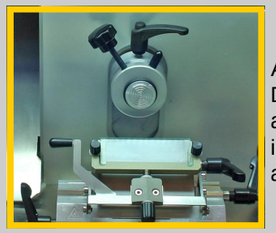
Quick specimen freezing
The double Peltier device allows extremely fast specimen freezing down to—50°C . The specimen discs can be pre-cooled and organized in 15 stations



Easy to use self explanation Control Panels
Any operations can be set by single-function keys located into functional groups. Is not needed to reach into the cold chamber to use or adjust setting.



Section waste
The section waste flexible hose device allows to aspirate the solid waste that will collected in a concealed disposable filter, for safe disposal. Liquid condensate is collected in a condensate bottle.



Anti-roll device Specimen alignment device
Disposable blade holder with adjustable cutting angle suitable with hall disposable blades. The glass anti-roll device is integrated into the holder. The smooth orientation device allows specimen alignment.

Main characteristic

- Motorized drive.
- Chamber temperature down to –35°C
- Double Peltier unit for rapid freezing down to –50°C
- Automatic and manual defrosting
- The cutting and trimming function can be finished by the control system.
- Holder for disposable blades with adjustable cutting angle
- Anti roll device
- The hand wheel can be locked at any position, so as to ensure the safety of the operation.
- The specimen clamp can be oriented on the X,Y,Z axis
- Section waste aspiration system.
- Switch arbitrarily between section and trimming.
- Intuitive control panel
- Section thickness totalize and section counter
- New blade holder with finger safe
- Wide range of accessories