



Thermo Scientific HM525 NX
Cryostat

Designed for performance optimized for comfort

- Exceptional sectioning quality and reliability
- Intuitive user interface
- Enhanced ergonomics

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Proven Quality and Reliability With An Ergonomic Upgrade

User-Friendly Touch Screen Interface

- Icon-driven interface allows intuitive operation of the cryostat
- Allows rapid selection and adjustment of functions
- 10 minute specimen fast-freeze function can be accessed from the menu
- Chamber brightness can be adjusted to meet operator needs



Exceptional Sectioning Quality

- Reliable stepper motor technology delivers reproducible section thickness
- Chamber temperature control down to -35 °C to accommodate a wide range of specimens
- Automatic specimen retraction on return stroke protects specimen and reduces carry over artifacts
- Incorporating the trusted Thermo Scientific™ HM 550 sectioning technology provides excellent control for superior sectioning results



- 1 Intuitive touch screen interface
- 2 Spacious flat storage area
- 3 Ergonomic armrests
- 4 Optional UV Disinfection
- 5 Light-touch handwheel
- 6 Enhanced knee room

Enhanced Ergonomics

- Light-touch handwheel requires minimal force to operate increasing comfort
- Additional knee space to support comfortable seated operation
- Body-contoured armrests improve posture and comfort during periods of prolonged use
- Large flat top to keep accessories readily available

Operator Safety

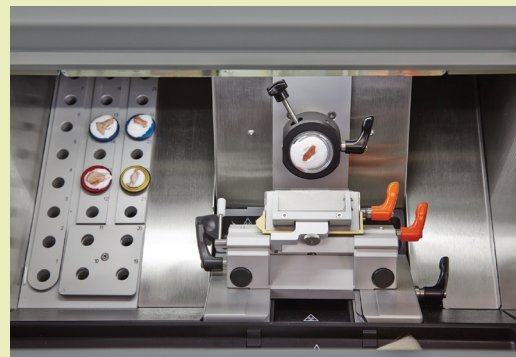
- Mechanical handwheel lock completely immobilizes the specimen head
- Optional, on-demand UV disinfection protects against surface contamination and occupational exposure to biological pathogens
- Stainless steel chamber and smooth surfaces allows efficient cleaning of the chamber

Minimal Service Downtime

- Easy-to-access modular components
- Built-in alert system focuses user on any service needs
- USB port allows file transfer for troubleshooting

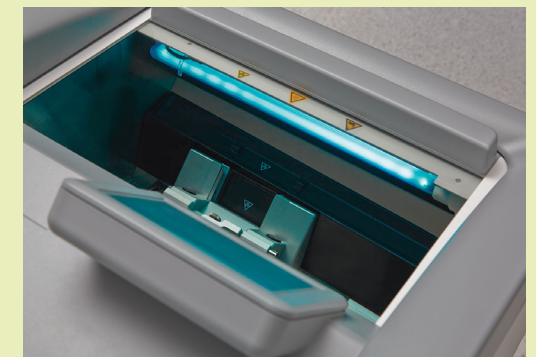
Efficient, High-Throughput Cryochamber

- 27 cooled specimen positions including four, fast freeze stations to keep up with heavy workloads
- The front of the microtome is a new design which stops build-up of debris behind the microtome making it easier to clean
- Integrated peltier cools four fast-freezing stations to -55 °C to limit ice crystal formation within the specimen



UV Disinfection (Optional)

- High-intensity UV light delivers disinfection for peace of mind and enhanced germicidal activity
- Immediate or scheduled operation
- Alert screen indicates incomplete or interrupted disinfection cycle
- Adjustable disinfection time setting up to 300 minutes



Specifications

Dimensions (D x W x H) (w/o handwheel)	25.19 x 29.9 x 45.3 in 64 x 76 x 115 cm
Weight:	315 lbs, 143 kg
Power Requirements	100 V, 50/60 Hz, 7 A, +/-10% 110 V - 120 V, 60 Hz, 7 A, +/-10% 220V - 240 V, 50/60 Hz, 4 A, +/-10%
BTU	1020 BTU/hour
Fine section thickness range	1 - 100 µm
Fine section thickness resolution	1 - 10 µm in 1 µm steps 10 - 20 µm in 2 µm steps 20 - 50 µm in 5 µm steps 50 - 100 µm in 10 µm steps
Trimming thickness range	5 - 500 µm
Trimming thickness resolution	5 - 30 µm in 5 µm steps 30 - 100 µm in 10 µm steps 100 - 200 µm in 20 µm steps 200 - 500 µm in 50 µm steps
Specimen retraction (return travel)	20 µm
Chamber temperature	Max. -35 °C +/-3 °C at +20 °C room temp.
Cryobar cooling (Peltier element)	Max. -55 °C +/-3 °C at 20 °C ambient
Defrosting options	Programmed / Immediate
Certifications	CSA, CE

HM 525NX Cryostat Ordering Information

Description	Order Number
HM525 NX – 230 V, 50 Hz	956650
HM525 NX UV – 230 V, 50 Hz w/UV Disinfection	956651
HM525 NX – 115V, 60 Hz with EC blade holder	956640EC
HM525 NX – 115V, 60 Hz with EC70 blade holder	956640EC70
HM525 NX UV – 115V, 60 Hz with EC blade holder	956641EC
HM525 NX UV – 115V, 60 Hz with EC70 blade holder	956641EC70

HM525 NX Available Accessories

Description	Order Number
Standard knife carrier (for steel reusable knife)	705460
Disposable blade holder EC70 (for high- low-profile disposable blades)	705630
Disposable blade holder EC (for high- low-profile disposable blades)	705470
Anti-roll plate (for use with EC70)	449980
Anti-roll plate (for use with EC)	449990
Specimen chuck, 20 mm	715700
Specimen chuck, 30 mm	715710
Specimen chuck, 40 mm	715720
Specimen chuck, 50 x 50 mm	715730
Specimen chuck, 55 x 55 mm	715740
Specimen chuck, 60 x 55 mm	715750
Specimen chuck, 75 x 55 mm	715760
Cryo-Molds, 10 mm	570400
Cryo-Molds, 15 mm	570380
Cryo-Molds, 22 mm	570390

Recommended Disposable Blades

Thermo Scientific MX35 Ultra Blades

Thermo Scientific™ MX35 Ultra blades provide consistent performance and durability under demanding research and clinical conditions.



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