

| Specifications | | |
|---|---|--|
| Dimensions (D x W x H) (w/o handwheel) | 29.9 x 25.19 x 45.3 in 76 x 64 x 115 cm | |
| Weight: | 315.2 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 | |
| Section Thickness Range | 1 - 500 µm | |
| 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 +2/-1 °C (-31°F +3.6/-1.8 °F) at +20 °C / 68 °F room temp. | |
| Cryobar Cooling (Peltier Element) | Max. -55 °C +/-2 °C (-67 °F +/-3.6 °F) at 20 °C / 58 °F ambient | |
| Defrosting Options | Programmed / Immediate | |
| Certifications | CSA, CE | |

| HM525 NX Cryostat Ordering Information | | |
|--|--------------|--|
| Description | Order Number | |
| HM525 NX 100 V, 50/60 Hz; 110 - 120 V, 60Hz | 956640 | |
| HM525 NX w/UV Disinfection 100 V, 50/60 Hz; 110 - 120 V, 60Hz | 956641 | |
| HM525 NX 220 - 240 V, 50/60 Hz | 956650 | |
| HM525 NX w/UV Disinfection 220 - 240 V, 50/60 Hz | 956651 | |

| HM525 NX Available Accessories | | |
|--|--------------|--|
| Description | Order Number | |
| Standard Knife Carrier (for steel reusable knife) | 705460 | |
| Disposable Blade Carrier 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 | 715220 | |
| Specimen Chuck 40 mm | 715230 | |
| 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.



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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|----------------------|--|--|
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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™ HM550 Microtome 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

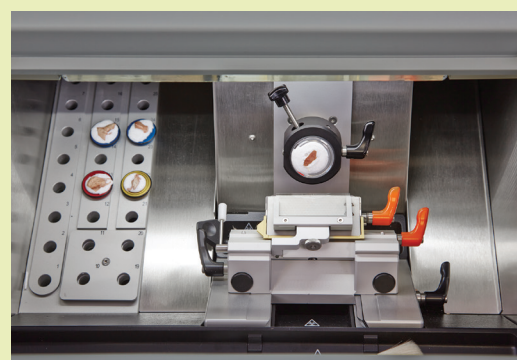
- Mechanical handwheel lock completely immobilizes the specimen head
- Optional on-demand UV disinfection protects against surface contamination and occupational exposure to biological pathogens
- Stainless-steel chamber and smooth surfaces allows efficient cleaning of the chamber

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 4 fast freeze, to keep up with heavy workloads
- The front of the microtome is a new design that stops build up of debris behind the microtome making it easier to clean
- Integrated peltier cools four fast-freezing stations to -55C 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

