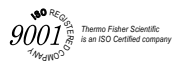


Specifications	
CryoStar NX50	
Weight	200 kg (441 lbs)
Dimensions	Depth: 100 cm (39.4 in)
	Width: 75.5 cm (29.7 in)
	Height: 93 cm (36.6 in) <i>fixed height model</i> ; 82 – 112 cm (32.3 - 44 in) <i>adjustable range</i>
Chamber Dimensions (D x W x H)	42 x 51 x 33 cm (16.5 x 20.1 x 12.9 in)
Power Requirements	100Vac, 50/60Hz, 10A ±10%
<i>Dedicated line recommended</i>	110Vac - 120Vac, 60Hz, 10A ±10%
	220Vac - 240Vac, 50/60Hz, 5A ±10%
Fine Section Thickness Range	0.5 - 100 µm
Trimming Thickness Range	5 - 500 µm
Vertical Specimen Stroke	64 mm (2.5 in)
Horizontal Knife Movement	48 mm (1.9 in)
Specimen Orientation	x- and y- axes universal 8° with zero positioning; z-axis up to 360°
Specimen Retraction	20 µm
Specimen Temperature Control	-43°C ±2°C (-45.4°F) at 20°C (68°F) ambient
Cryobar Cooling	-57°C ±3°C (-70.6°F) at 20°C (68°F) ambient
Cryochamber	-25°C ±2°C (-13°F) at 20°C (68°F) ambient; continuously cooled
Knife Holder	-27°C ±2°C (-16.6°F) at 20°C to 30°C (68°F to 86°F) ambient; continuously cooled
Defrosting Options	Programmed / Immediate
Certifications	CSA, CE

Ordering Information		
Description	Configuration	Order Number
NX50 220-240V, 50/60Hz	OP	957220
NX50 220-240V, 50/60Hz	OPH	957210
NX50 220-240V, 50/60Hz	OPV	957200
NX50 220-240V, 50/60Hz	OPD	957140
NX50 220-240V, 50/60Hz	OPDV	957160
NX50 220-240V, 50/60Hz	OPHV	957170
NX50 220-240V, 50/60Hz	OPHD	957150
NX50 220-240V, 50/60Hz	OPHVD	957240
NX50 100-120V, 50/60Hz	OP	957250
NX50 100-120V, 50/60Hz	OPV	957270
NX50 100-120V, 50/60Hz	OPD	957100
NX50 100-120V, 50/60Hz	OPDV	957120

Ordering Information		
Description	Configuration	Order Number
NX50 110-120V, 60Hz	OPH	957260
NX50 110-120V, 60Hz	OPHV	957230
NX50 110-120V, 60Hz	OPHD	957110
NX50 110-120V, 60Hz	OPHVD	957130
NX50 100V, 50/60Hz	OPH	957180
NX50 100V, 50/60Hz	OPHV	957190
NX50 100V, 50/60Hz	OPHD	957080
NX50 100V, 50/60Hz	OPHVD	957090

O - Object Cooling
P - Peltier
H - Height Adjustment
V - Vacutome
D - Cold D



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Anatomical Pathology	Otto-Hahn Strasse 1a 69190 Walldorf GERMANY	+49 (0) 6227-8360
	4481 Campus Drive Kalamazoo, MI 49008 UNITED STATES	+1 (800) 522-7270

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Thermo
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Thermo Scientific CryoStar NX50
Cryostat

Designed for performance
created for comfort

Exceptional sectioning quality • Ergonomic design • Energy efficient

Thermo
SCIENTIFIC

Comfort and quality

for cryotomy applications

Exceptional Sectioning Quality

- Stable, actively cooled knife holder delivers homogenous and consistent section thickness
- Specimen head moves in vertical orientation only, for improved cutting accuracy
- Rapid response temperature controlled object head maintains accurate specimen temperature to deliver high quality sections
- 18 position cryobar with additional fast freeze station rapidly cools specimens to $-57^{\circ}\text{C} \pm 3^{\circ}\text{C}$ ($-71^{\circ}\text{F} \pm 5.4^{\circ}\text{F}$) maintaining tissue morphology by restricting ice crystal formation
- Optional vacutome aids in delivering high-quality sections by stretching the sections to remove wrinkles

Superior Section Quality

Achieved by minimizing vibration to deliver a smooth movement of the specimen across the blade.

- Stable blade holder for mounting blade
- Dedicated low and high-profile blade holders
- Steady controlled horizontal advance of blade to specimen



Convenience and Ease of Use

- Touch screen interface with intuitive software is the single point of control for the Thermo Scientific™ CryoStar™ NX50 cryostat delivering quick and streamlined operation
- Standby mode reduces energy consumption and background noise
- Choice of immediate or scheduled defrost cycle
- Optional vacutome cleaning mode and hose extension supports safe and speedy removal of debris and sectioning waste
- 1 Litre disinfectant reservoir sufficient for up to 13 Sanosil® disinfection cycles

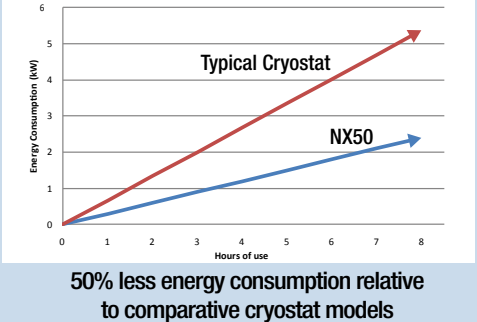
Spacious Work Chamber

Large 42 litre open cryochamber provides enhanced storage capacity within a larger working area, enabling greater flexibility of movement for users.



Energy Efficient - Environment Friendly

Low power rating of 0.3kw/hr.
Automatic transition to standby mode after a one hour period of inactivity.



- 1 LCD touch-screen
- 2 User adjustable LED lighting
- 3 Optional Cold Disinfection
- 4 Light-touch handwheel
- 5 Comfortable form-fitting design
- 6 Motorized height adjustment (optional)

Find out how you can benefit from this and other Thermo Scientific products.
Contact your local Thermo Scientific product representative today for an evaluation.

User Comfort

- Body contoured design positions the user closer to the chamber maintaining comfortable posture during times of heavy use
- Optional motorized height adjustment allows each Operator to customize the CryoStar NX50 height to suit their needs and comfort level whether seated or standing
- Large open work chamber with adaptable LED directed lighting for enhanced visibility
- Light touch handwheel requires minimal force to operate, limiting associated repetitive motion discomfort



Integrated Motorized Height Adjustment

Rapid adjustment of the chamber height from 82 cm – 112 cm (32in – 44in) supports both standing and seated operation to accommodate user preferences.

Operator Safety

- Manual handwheel lock secures the position of the specimen head
- Optional proprietary Cold-D disinfection of the cryochamber which has been certified as an effective method against an extensive range of biological pathogens
- Magnetic blade transfer tool supports safe removal of the blade from the holder, reducing risk of injury
- Protective blade guard shields the operator's hands from the blade
- Optional vacutome collects and contains sectioning waste within filter bag



Rapid Cold-D Disinfection

Sanosil® mist is certified to effectively decontaminate the chamber within 50 minutes.

Go to www.thermoscientific.com/coh or scan the QR code to view Sanosil certification

