Tissue Embedding Center - Paraffin Embedding & Cryo Module - 3 L Chamber - 55-70°C

Model **MSEBD-1SWISS, MSEBD-CL1SWISS** | Brand **Master Science**





The Master Science Tissue Embedding Center combines a 3 L paraffin embedding module with a separate cryo module for chilling finished blocks. It is the compact option in the range, suited to laboratories with routine embedding workloads.

KEY HIGHLIGHTS

- Warm and ready each morning
- Stable temperatures
- Easy cleanup
- Firm blocks quickly
- Safer operation

AT A GLANCE

70 °C
MAXIMUM PARAFFIN HEATING TEMPERATURE

3 L
PARAFFIN CHAMBER CAPACITY

55 to 70 °C
PARAFFIN-MELTING CHAMBER TEMPERATURE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

Five heated areas, the paraffin chamber, dispenser, left and right thermal storage compartments and the working plate, are controlled individually between 55 and 70 °C. Weekly programming switches the system on and off automatically.

Key Benefits

Warm and ready each morning
the Master Science Tissue Embedding Center starts by weekly timer.

Stable temperatures
flexible heating limits temperature differences across zones.

Easy cleanup
excess paraffin lifts off the granite work area.

Firm blocks quickly
cryo module works at -20 °C or lower.

Safer operation
dual overheat protection and low-voltage lighting.

For higher throughput, see the Master Science 6 L embedding and cooling station.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSEBD-1SWISS, MSEBD-CL1SWISS
SKU	MSEBD-1SWISS, MSEBD-CL1SWISS
Brand	Master Science
Model Number	MSEBD-1SWISS (embedding), MSEBD-CL1SWISS (cooling)
SKU	MSEBD-1SWISS, MSEBD-CL1SWISS
Paraffin Chamber Capacity	3 L
Maximum Paraffin Heating Temperature	70 °C
Paraffin-Melting Chamber Temperature	55 to 70 °C
Paraffin Dispenser Temperature	55 to 70 °C
Heated Working Area Temperature	55 to 70 °C
Forceps Wells Temperature	55 to 70 °C
Temperature Control Precision	±1%
Paraffin Flow Control	Finger touch plate and foot pedal
ON/OFF Control	Programmable weekly automatic start and stop
Cryo Module Working Temperature	≤ -20 °C, as low as -30 °C
Thermal Storage Compartments Temperature	55 to 70 °C

POWER	
Voltage	AC 220 V ±10% 50 Hz (standard); AC 110 V ±10% 60 Hz
Power	650 W (embedding), 300 W (cooling)

DIMENSIONS & WEIGHT	
Dimensions (W×D×H)	525 × 550 × 385 mm (embedding); 590 × 345 × 385 mm (cooling)
Net Weight	26 kg (embedding); 27 kg (cooling)

COMMON PROBLEMS AND HOW THIS CENTER HELPS	
Common Problems and How This Center Helps	How the Master Science Tissue Embedding Center addresses common embedding difficulties:
Hot and cold spots across the station	each zone has its own control.
Wax stuck to the bench	granite surface cleans easily.
Settings lost after shutdown	automatic memory and restore.
Soft blocks that section poorly	cryo module down to -30 °C.

Applications

The Master Science Tissue Embedding Center is used for
Paraffin embedding of processed tissue Cooling paraffin blocks before microtomy Histology and pathology laboratories

Control

- Programmable computer control
- Colour-changing LED status display
- Preset temperatures stored and restored automatically

Heating

- Five independently controlled heated areas
- Fast heating with precise control
- Dual overheating protection

Work Area

- Heated working plate and forceps wells
- Large granite working surface
- Low-voltage illumination

Modular Design

- Cryo module separate from embedding module
- Modules can be configured flexibly