Embedding & Cooling Station - Touchscreen Tissue Embedding Center - 6 L Paraffin Tank - RT to 85°C

Model **MSEBD-4SWISS, MSEBD-CL4SWISS** | Brand **Master Science**








The Master Science Embedding & Cooling Station is an integrated paraffin embedding and freezing workstation. The embedding unit and the large cooling plate can be linked so that both start and stop together, or each can be run on its own.

KEY HIGHLIGHTS

- Wax ready on time
- Repeatable fills
- Faster melting
- Easier small specimens
- One workflow

AT A GLANCE

RT to 85 °C TEMPERATURE RANGE, ALL HEATED ZONES	**0 to 400 mL/min** DISPENSER FLOW RANGE
±1 °C HEATER CONTROL ACCURACY	**6 L** PARAFFIN CHAMBER CAPACITY

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

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www.themsci.com

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Overview

A 7-inch colour capacitive touchscreen shows live temperatures and working status in graphics. The 6 L paraffin tank, two storage compartments, dispenser nozzle, working plate and forceps plate form six independently controlled heating zones, each adjustable up to 85 °C.

Key Benefits

Wax ready on time
the Master Science Embedding & Cooling Station can be scheduled for any day of the week.

Repeatable fills
flow rate and dispensing time are both adjustable.

Faster melting
boost heating for the paraffin tank.

Easier small specimens
LED light with multi-angle magnifier.

One workflow
cooling plate can follow the embedding unit automatically.

A smaller alternative is the Master Science 4 L tissue embedding and cooling system.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSEBD-4SWISS, MSEBD-CL4SWISS
SKU	MSEBD-4SWISS, MSEBD-CL4SWISS
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Model Number	MSEBD-4SWISS (embedding), MSEBD-CL4SWISS (cooling)
SKU	MSEBD-4SWISS, MSEBD-CL4SWISS
Paraffin Chamber Capacity	**6 L**
Independent Heating Zones	6
Forceps Heating Wells	6
Temperature Range, All Heated Zones	**RT to 85 °C**
Heater Control Accuracy	**±1 °C**
Dispenser Flow Range	**0 to 400 mL/min**
Dispensing Duration	0.1 to 10 s
Worktable Drainage Holes	4
Small Cooling Table	60 × 50 mm, ≤-5 °C
Embedding Worktable	540 × 93 mm
Freezing Table	315 × 380 mm
Freezing Table Temperature	+5 to -20 °C; down to -28 °C in super cooling mode
Cooling Plate Linkage Delay	0 to 150 min
Electricity	AC 110-120 V / AC 220-240 V, 50/60 Hz
Power	1000 W (embedding), 300 W (cooling)

DISPLAY & DATA

Lighting / Screen Brightness	Level 0 to 100, stepless
Storage Compartments	2 pcs, 240 × 160 × 55 mm

DIMENSIONS & WEIGHT

Dimensions	575 × 675 × 395 mm (embedding); 350 × 710 × 395 mm (cooling)
Net Weight	38 kg (embedding); 25 kg (cooling)

COMMON PROBLEMS AND HOW THIS STATION HELPS

Common Problems and How This Station Helps	How the Master Science Embedding & Cooling Station improves embedding routines:
Uneven block fill	controlled flow rate and timed dispensing.
Paraffin solidifying overnight	keep-liquid mode.
Hard-to-see small biopsies	adjustable LED light and magnifier.
Spilled wax on the bench	drain holes and slanted channel on the worktable.

Applications

The Master Science Embedding & Cooling Station is used for
Paraffin embedding of tissue cassettes Chilling paraffin blocks before sectioning Histology and pathology laboratories

Display and Control

- 7-inch full-view colour capacitive touchscreen
- Adjustable brightness and screen-off timer
- Weekly on/off programming
- Set temperatures retained in memory

Heating

- Silicone rubber heating elements
- Dual temperature control and overheat protection in every zone
- Keep-liquid mode for the paraffin tank outside working hours
- One-touch tank heating on/off

Work Area

- Manual or foot-controlled paraffin flow
- Heated worktable with dispensing point, block trimming area and slanted drain channel
- Left and right storage compartments with independent temperature control
- Semiconductor-cooled small table for specimen positioning

Cooling Plate

- Variable-frequency controlled freezing table
- Super cooling mode
- Linked, timed, delayed or separate control