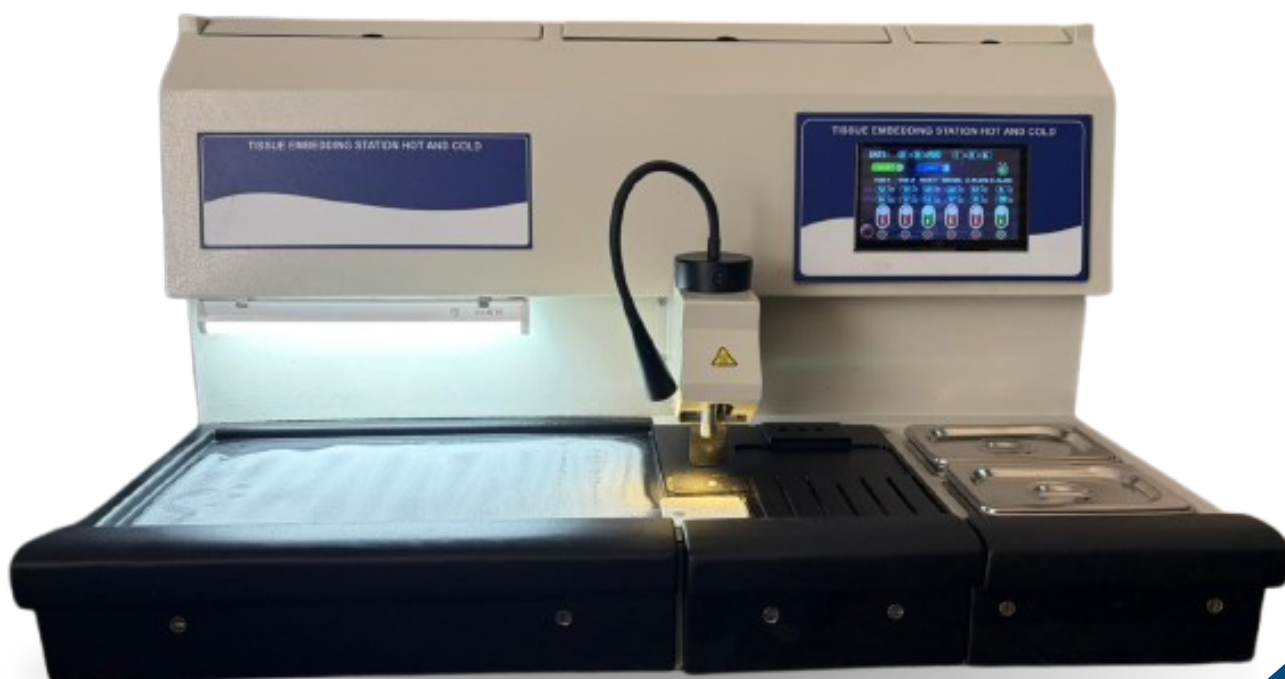




TISSUE EMBEDDING STATION - COMBINED TOUCH

ES-FROST-C-T-24

Design, Development & Manufacturing of Histopathology Laboratory Instruments.



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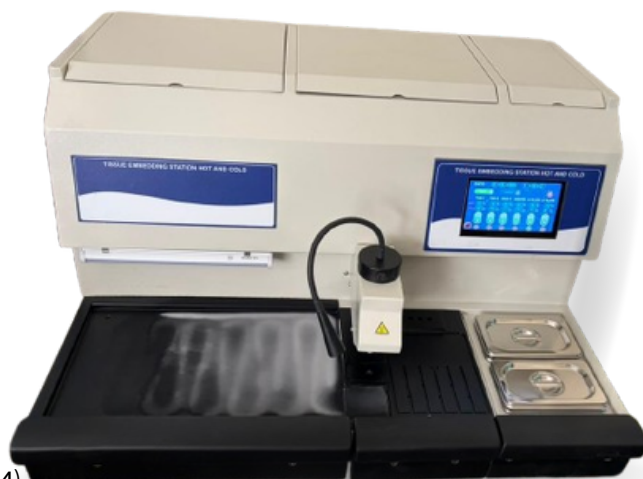




TISSUE EMBEDDING STATION

ES-FROST-C-T-24

TISSUE EMBEDDING STATION TOUCH (ES-FROST-C-T-24) is a precision-engineered laboratory instrument design for efficient embedding of tissue specimen in paraffin wax during histopathology processing. It provides a controlled heated working area, smooth wax dispensing. User friendly 7 inch Touch Screen.



KEY FEATURES

Temperature Control

- Microprocessor-controlled heating zones
- Five independently regulated temperature zones
- Six heated forceps wells
- Digital temperature monitoring

User Interface

- **7 inch Touch Screen display**
- Easy menu navigation
- Real-time status display

Paraffin Handling

- Large-capacity paraffin reservoir
- Integrated paraffin filtration system
- Precise gravity-fed paraffin dispensing
- Adjustable paraffin flow control
- Built-in paraffin trimmer

Cooling & Tissue Orientation

- Infrared cold spot for tissue positioning
- Rapid cooling cold plate
- Fast paraffin solidification

Automation

- 7-day programmable start/stop operation
- Automated workflow scheduling

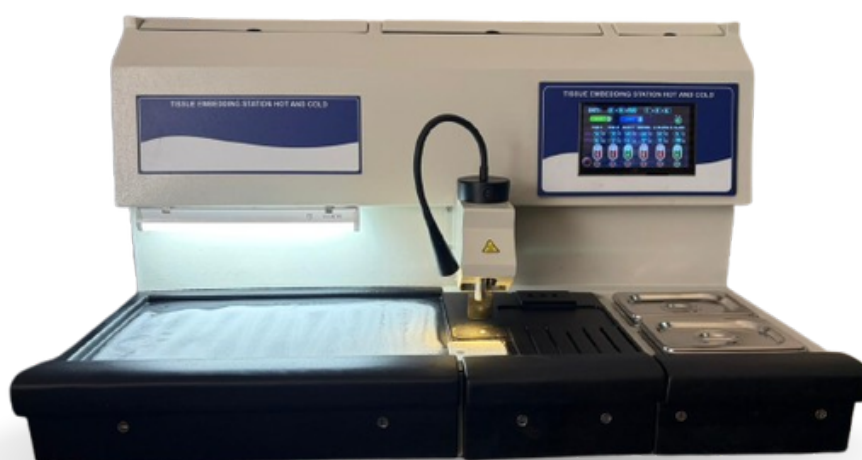
Ergonomic Design

- Illuminated work area
- Compact modular construction
- User-friendly workstation layout





TECHNICAL SPECIFICATION	
Model Type	Modular Tissue Embedding Station touch with Integrated Cold Plate.
Control System	7 inch touch screen
Heating Zones	5 Independent temperature-controlled heating zones.
Paraffin tank Capacity:	Large 2 or 3 litre capacity integrated wax storage tank with filter.
Paraffin Reservoir & tap Temperature range	50 to 70°C +/- 1°C.
Forceps Wells:	6 Heated forceps wells (3 on each side).
Working Illumination	Built-in LED working light.
Programming	7-day programmable automatic ON / OFF timer.
Temperature Range	Ambient to 75°C ± 5°C
Cold Plate	Digitally controlled rapid cooling plate.
Cold Spot	Integrated infrared cold spot for specimen orientation.
Cold Plate Temperature	Down to -5°C to -15°C or -10 to -20°C.
Cassette bath	50-70°C +/-1°C.
Cassettes Capacity	80-100 Cassettes.
Nominal Volatage	220–240V AC, 50/60 Hz



7" LCD TOUCH SCREEN

CONTROL SYSTEM

SMART CONTROL. PRECISE RESULTS.

Our 7-inch Touch Screen Controller System makes operation simple, fast, and user-friendly. All critical parameters including Tub-1, Tub-2, Wax Tank, Nozzle, Hot Plate, and Cold Plate temperatures can be easily monitored and adjusted through a single interface.

Real-time display of set values and actual values, along with programmable scheduling and one-touch controls, ensure precise temperature management, improved workflow efficiency, and convenient operation for laboratory personnel.



7" COLOR TOUCH DISPLAY
Clear & easy operation

MULTI-ZONE TEMPERATURE CONTROL
Independent control for all zones

PROGRAMMABLE TIMER & DELAY
Flexible scheduling for better workflow

USER-FRIENDLY INTERFACE
Quick access to all functions

RELIABLE & ACCURATE
Precise control for consistent results

FEATURE	BENEFIT
WAX TANK CONTROL	Accurate wax temperature management
NOZZLE CONTROL	Smooth and consistent paraffin dispensing
HOT PLATE CONTROL	Consistent and uniform heating performance
COLD PLATE CONTROL	Reliable and efficient cooling operation
RTC TIMER	Automated start/stop scheduling
PROGRAM DELAY TIMER	Flexible delay setting for improved productivity

SCREEN FUNCTIONS

MENU SCREEN

MENU
MAKE A SELECTION

TIMER SET SET VALUE DELAY ALARM

NEXT

Quick access to all operating parameters from one place.

RTC TIMING SCREEN

SET RTC TIMINGS

DAY 2 MONTH 5 YEAR 2025 HOURS 11 MINUTES 3

Easily set day, month, year, hours and minutes.

TEMPERATURE SETTING SCREEN

CHANGE SET VALUE

TUB-1 5.0 TUB-2 5.0 WAX T. 6.0 NOZZEL 5.0 HOT-PLATE 6.0 COLD-PLATE -1.0

Adjust set values for all heating and cooling zones with ease.

DELAY TIMER SCREEN

PROGRAM DELAY TIMER

ENTER HOURS 11 ENTER MINUTES 3 SELECT DAY 02

Set delayed start time for automated and efficient operation.



All system parameters can be easily increased or decreased through the touchscreen interface using simple up/down controls. This allows users to quickly set the desired temperatures and operating values, ensuring convenient operation and precise process control.

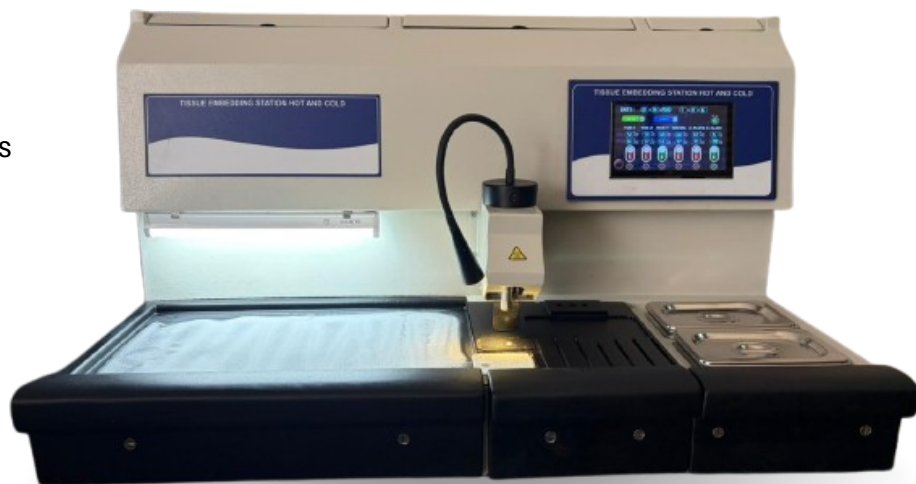


PRECISION. EFFICIENCY. RELIABILITY.



ACCESSORIES

1. Waste tray - 1 no
2. Foot pedal- 1 no
3. Embedding cup - Assorted - 3 nos
4. Forcep- 3 nos
5. Embedding Ring -12 nos
6. Lid- 4 nos
7. Scrapper - 1 no
8. screw driver-1 no
9. stainer -1 no
10. Operating Manual- 1 no



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