

AUTOMATIC TISSUE PROCESSOR (Microprocessor Based)

ATP-M-24

Design, Development & Manufacturing of Histopathology Laboratory Instruments.



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AUTOMATIC TISSUE PROCESSOR

ATP-M-24

Automatic Tissue Processor (ATP-M-24) is a microprocessor-controlled system designed for automated tissue dehydration, clearing, and paraffin infiltration. Featuring an LCD display and user-friendly programming interface, it ensures accurate, consistent, and efficient tissue processing with minimal manual intervention.



KEY FEATURES

Control & Operation

- Advanced microprocessor-controlled system for precise and reliable operation.
- Large 20×4 line display for clear monitoring of process parameters.
- Wide programmable time range from minutes up to 99 hours.
- Improved pin-up time for enhanced handling and process accuracy.

Processing Performance

- Continuous basket rotation ensures uniform reagent penetration.
- Stainless steel perforated basket allows optimal reagent flow around tissue cassettes.
- Basket pause during transfer between beakers prevents reagent carryover and cross-contamination.
- Ensures consistent and high-quality tissue processing results.

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Safety & Protection System

- Advanced Safety System with overheat thermal protector and over-temperature cut-off.
- Built-in EMI filter protects against low/high voltage fluctuations.
- Dual mechanical and electrical protection prevents accidental basket jumping between stations.
- Automatic basket stop at wax stations (10-11) until proper wax temperature is reached.
- Emergency manual basket lifting handle for extended power failures.

Basket & Mechanical Design

- Robust Basket & Rotor Design.
- Precision Engineered Center Rod.
- Cross-Roller Bearing Support.
- High-Torque Gear System.

Operational Reliability

- Stable Basket Movement.
- Prevention of Basket Jumping Between Stations.
- Long Service Life.
- Reliable Performance During Continuous Operation.



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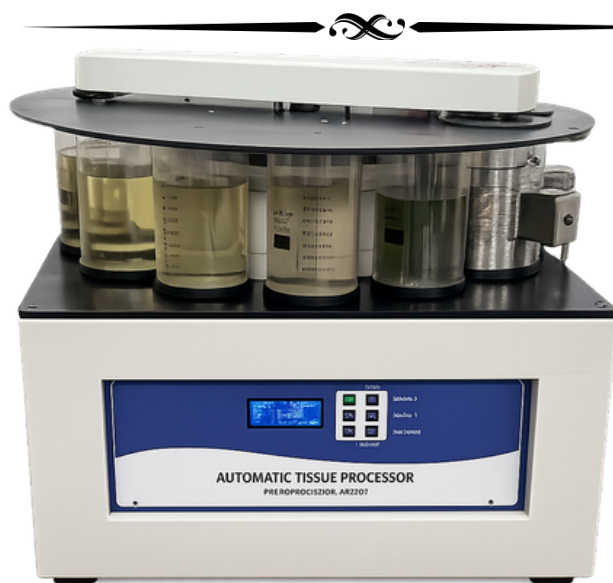


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TECHNICAL SPECIFICATION

Controller	Feather touch key pad..
Display	Large 20×4 Line Display.
Programming Stages	12 Stage Timing Sequence
Time Setting Range	1 Minute to 16 Hours 39 Minutes (999 Minutes) per Step
Delay Action Timer	1 to 99 Hours
Wax Bath Control	Thermostatically Controlled Wax Bath
Number of Tissue Containers	12 Containers
Basket Capacity	36 Plastic Tissue Processing Cassettes
Basket Volume Capacity	1 / 2 Litre (Optional)
Basket Rotor	1 / 2 Basket Rotor (Optional)
Glass Beakers	10 Without-Lip Glass Beakers
Wax Bath Temperature Range	Maximum 110°C
Programmable timing	Individual programmable timing sequence for each station from 1 min to 6 hrs. In increments of 1 min and programmable delay start time of up to 99 hrs.
Total Programs	10 programs



DIMENTIONS WITH CARTON BOX

Dimension in inches - 30x30x23
Weight - 61 Kg



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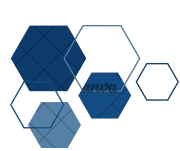


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ACCESSORIES

1. Main Lead - 1 no
2. Side Handle - 1 no
3. Screw driver - 1 no
4. Dust Cover - 1 no
5. Wax Bath - 2 nos
6. Oil Can - 1 no
7. Fuse - 2 nos
8. Glass Beaker - 12 nos
9. Tissue Basket - 1 / 2 no
10. Plastic Tissue processing Capsule - 12 nos
11. Operating manual- 1 no



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