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PARAFFIN DISPENSER

Paraffin Dispenser - ToronTES™ PD 5000

Paraffin Dispenser ToronTES™ PD 5000 is a compact bench-top wax dispensing unit designed for controlled paraffin melting and delivery in histology and pathology workflows. The Paraffin Dispenser is configured with a 5 L wax tank, adjustable melting temperature from 0 to 99°C, ±2°C temperature precision, and both panel-switch and foot-switch wax flow control.

This unit is suited for laboratories that need a dedicated paraffin station for embedding support, mold filling, or routine wax handling beside a larger embedding setup. Its stainless-steel construction, timed on/off scheduling, and compact footprint make it a practical option for daily bench use in tissue-preparation environments.

APPLICATIONS

Paraffin Dispenser - ToronTES™ PD 5000 Applications

- Histology and pathology laboratories: this Paraffin Dispenser is suitable for paraffin handling in histology and pathology labs where molten wax must be dispensed in a controlled way during specimen embedding and block preparation. The available temperature control, wax tank capacity, and foot-switch operation support routine lab workflows that require repeated wax dispensing.
- Embedding support stations: ToronTES™ PD 5000 works well as a standalone support unit beside an embedding center or as a dedicated wax dispenser in smaller labs. Its compact size of 360 × 400 × 340 mm allows it to fit on a bench without taking up the space of a full embedding workstation.
- Research and teaching laboratories: this unit also fits research and teaching environments where users need a simple paraffin dispensing solution with direct temperature setting and flexible switch control. The scheduled on/off function can help prepare the unit ahead of routine lab sessions.

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FEATURES

Paraffin Dispenser - ToronTES™ PD 5000 Key Features

- Controlled paraffin melting: ToronTES™ PD 5000 supports wax melting across a temperature range of 0 to 99°C. This gives the operator flexibility to set the wax to the working condition needed for routine dispensing.
- Accurate temperature control: the temperature precision is ±2°C, which helps support stable wax consistency during repeated use.
- 5 L wax tank: the unit includes a 5-liter wax tank, providing useful holding capacity for routine histology and embedding support workflows.
- Dual wax flow control: wax flow can be operated through the main switch control or a foot switch. This gives users flexibility depending on bench layout and handling preference.
- Programmable on/off timing: the built-in time preset function allows arbitrary on and off scheduling within 0 to 24 hours. This helps the dispenser warm up ahead of the workday and reduces manual startup steps.
- Stainless-steel construction: stainless steel use for the material of construction. This supports durability and easier cleaning in laboratory environments.
- Compact bench-top footprint: with dimensions of 360 × 400 × 340 mm, the unit is sized for bench placement in laboratories that need a dedicated paraffin dispensing station without moving to a larger embedding center.

THEORY & METHOD

Theory and Method

A Paraffin Dispenser works by heating solid paraffin to a controlled molten state and delivering it through a dispensing outlet so the operator can fill molds or support tissue embedding work. Stable temperature control is important because

overheated wax can affect handling, while underheated wax may not flow consistently.

ToronTES™ PD 5000 uses a heated 5 L wax tank with adjustable temperature from 0 to 99°C and switch-based wax flow control. The wax flow can be controlled either from the main screen switch or by foot switch, giving the operator two dispensing options during routine work.

The time preset function allows users to set switch-on and switch-off timing anywhere within a 24-hour window. This helps the dispenser reach working condition before the lab starts and supports more consistent daily preparation.

TECHNICAL SPECIFICATIONS

Paraffin Dispenser - ToronTES™ PD 5000 Technical Specification

Parameter	ToronTES™ PD 5000
Product Type	Paraffin Dispenser
Melting Temperature Range	0 to 99°C
Temperature Precision	±2°C
Wax Tank Volume	5 L
Material	Stainless steel
Wax Flow Pattern	Main switch control, foot switch control
Time Preset	Arbitrary on/off setting within 0 to 24 hours
Dimensions	360 × 400 × 340 mm
Voltage / Frequency	220 V / 50 Hz or 110 V / 60 Hz

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