

# Embedding Centers

TN1600 / TN1700



Modular  
Scalable  
Flexible  
Easy to use

DESIGN AND MANUFACTURING  
MADE IN GERMANY



# TN1600

## Tissue embedding station

The space saving TN1600 tissue embedding station is a complete system, consisting of a paraffin dispenser and cold plate module. The ergonomically designed working area is illuminated with LED lights and offers a comfortable working environment. An intuitive control panel enables easy and logical control of the system. 2 heated trays with elevated lids provide a prewarming capacity of up to 106 cassettes and 288 embedding molds. The smaller footprint TN1600 is ideal for the demands of low to mid-volume laboratories.

### Highlights

- Manual lever and foot switch for paraffin dispensing
- Adjustable magnifying glass
- Ergonomic hand rest
- Spacious and heated paraffin collection tray
- 3.8 liters paraffin container
- Cooling spot
- Two heating trays for 106 cassettes and 288 embedding molds.
- Ergonomic working height
- Working area with LED light
- Intuitive control panel
- Electrically heated forceps (optional)
- Integrated heated wax trimmer:
  - efficiently removes excess paraffin from any embedding tissue cassette
  - paraffin is easily melted away and drains into the removable tray below
  - physical damages by conventional trimming tools such as knife or razor are avoided consequently
  - large scale design of the trimmer area allows paraffin trimming of multiple blocks simultaneously

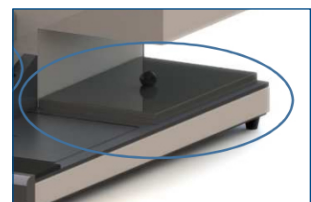


TN1600A Dispenser



### All in reach

2 heated trays for either 106 standard cassettes or 288 embedding molds are conveniently located at the back of the working area.



### Standard Components

Heated paraffin (wax) container
Heated dispenser element
Heated cassette/mold storage containers
Heated working area
Cooling spot
Magnifying glass, adjustable
Paraffin collection tray
Working area illumination (LED)
Operation manual

### Specifications

<b>Paraffin container</b>	3.8 liters
<b>Heated cassette/ mold container Processing</b>	Up to 106 cassettes Up to 288 molds 30–80°C programmable
<b>Dimensions</b> (width x depth x height)	17-3/4" x 22-1/2" x 11-1/2"
<b>Weight</b> without accessories	50 lbs

TN1600 115 V, 50/60 Hz

Item # TNR TN1600

# TN1700

## Modular paraffin embedding center

The TN1700 features a spacious working area, large container capacity and industry leading reliability. All modules operate at the same working height and can be arranged according to laboratory requirements. The extendable modular 3-component system with separate temperature control elements consists of a dispensing element TN1700A, a preheating unit TN1700C and a separate cooling plate (TNCST: standard size or TNCXL: x-large size available)



### Highlights

- Spacious cooling plate
- Adjustable magnifying glass
- Ergonomic hand rest
- Programmable working hours
- Easily adjustable forceps holders
- 5.5 liters paraffin container
- Spacious and heated paraffin collection tray
- Working area with adjustable LED-illumination and integrated cold spot
- Electrically heated forceps (optional)
- Integrated heated wax trimmer:
  - efficiently removes excess paraffin from any embedding tissue cassette
  - paraffin is easily melted away and drains into the removable tray below
  - physical damages by conventional trimming tools such as knife or razor are avoided consequently
  - large scale design of the trimmer area allows paraffin trimming of multiple blocks simultaneously

### Standard components

Dispensing module TN1700A
Prewarming unit TN1700C
Cooling unit TNCST (TNCXL - Available as Upgrade)
Foot switch for paraffin dispenser
Forceps holder
2x forceps (1x blunt, 1x pointed)
Cleaning spatula black
Base molds 7 x 7 x 7 mm, 12 pcs., stainless steel
Base molds 24 x 24 x 7 mm, 12 pcs., stainless steel
Power cord
Operation manual

TN1700 115V 50/60 Hz

Item # TNR TN1700





# TN1700A

## Dispensing module

(Large)



### Spacious

Large working area with integrated cold spot. The working area has a special drainage system and guides the paraffin into the heated collection tray.



### Under Control

The 5.5-liter volume allows constant working with the TN1700A. The perfect light and easily regulated flow keeps everything under control.

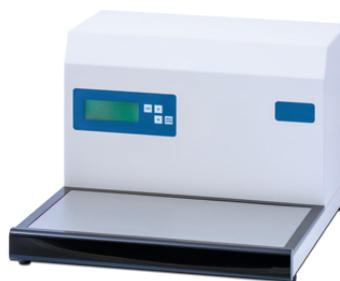


### Specifications

<b>Temperature range</b>	up to 80°C (1°C increments) for paraffin container up to 70 °C (1°C increments) for working area down to -10°C for cooling spot
<b>Capacity</b>	5.5 liter paraffin
<b>Cooling spot</b>	2" x 2", peltier
<b>Forceps holders</b>	2 x 4 adjustable (magnetic)
<b>Illumination</b>	3 LED spots fixed + 3 LED spots adjustable
<b>Magnifier</b>	included, easy to orientate
<b>Paraffin flow</b>	activation manually or by footswitch continuously adjustable flow rate
<b>Control</b>	microprocessor, programming of temperature, working day, working time, time, date
<b>Work area</b>	17-3/4" x 9-1/2"
<b>Dimensions</b> (width x depth x height)	17-3/4" x 22-1/2" x 11-5/8"
<b>Weight</b>	46 lbs
<b>Electrical parameters</b>	115, 50/60 Hz
<b>Consumption</b>	P <sub>max</sub> : 380 W
<b>Temperature</b>	18–35°C, air conditioned room recommended
<b>Humidity</b>	< 60%

### Cold Plate Configurations

#### TNR TNCST: Standard Cold Plate



#### TNR TNCXL: X-Large Cold Plate (Available as Upgrade)

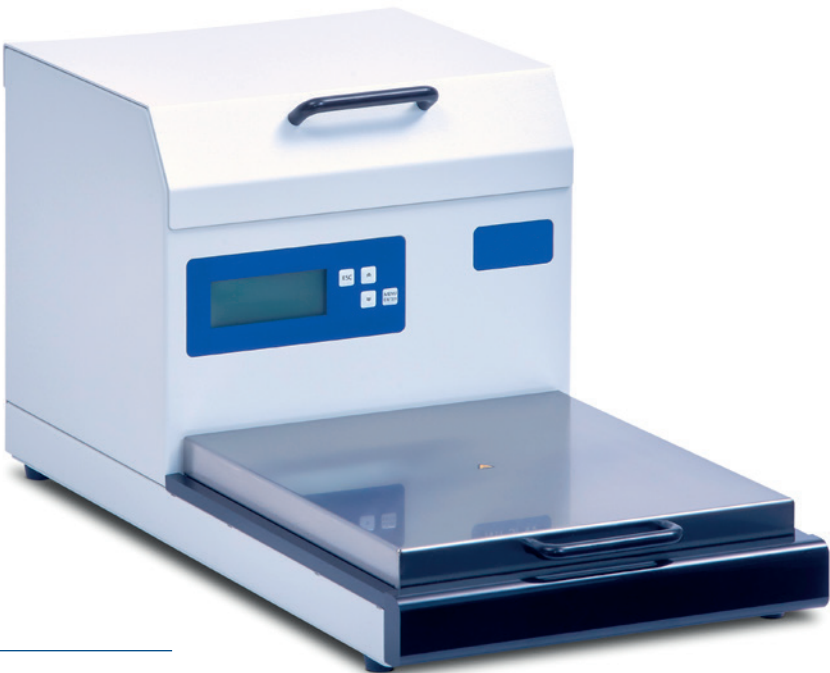


TN1700A 115V 50/60 Hz

Item # TNR TN1700A

# TN1700C

## Prewarming unit



### Mold warmer

To have enough molds ready for the large working area of the TN1700A, the TN1700C has a mold warmer for up to 500 molds. Temperature freely selectable up to 80°C.



### Cassettes

Take common baskets (like from the MTM tissue processor) and place them directly in the cassette bath. This is workflow efficiency.



### Easy to clean

The cassette bath can be taken out for cleaning. So, disposal of paraffin is easy.



### Independent

The TN1700C works independently from the TN1700A. So, you have full modularity and flexibility as you can place the unit wherever needed.



### Specifications

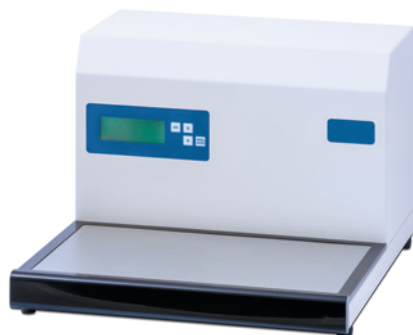
<b>Temperature range</b>	up to 80°C (1°C increments) for working area
<b>Cassette bath</b>	Capacity 150 cassettes, removable  9-7/8" x 10-1/4" x 1-1/4"
<b>Control</b>	microprocessor, programming of temperature, working day, working time, time, date
<b>Mold warmer</b>	Capacity 500 molds 10-1/4" x 8-11/16" x 2-3/4"
<b>Dimensions</b> (width x depth x height)	11-5/16" x 22-7/16" x 11-5/8"
<b>Weight</b>	33 lbs
<b>Power</b>	115 V, 50/60 Hz
<b>Consumption</b>	P <sub>max</sub> : 320 W
<b>Temperature</b>	18–35°C, air conditioned room recommended
<b>Humidity</b>	< 60%

TN1700B 115V 50/60 Hz

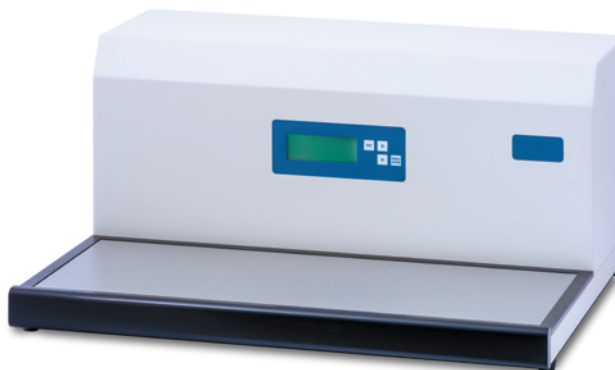
Item # TNR TN1700B

# TNCST / TNCXL

## Cooling units



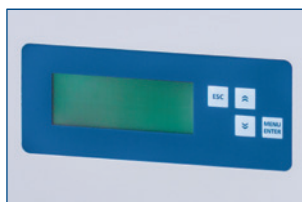
Standard: TNCST



Upgrade: TNCXL

## Independent

Truly modular. Due to the independent control, you can place the module wherever the cold plate is needed.



## Specifications

<b>Temperature range</b>	min. -15°C (1°C increments)
<b>Max. capacity</b>	<b>TNCST</b> Up to 80 cassettes  <b>TNCXL</b> Up to 120 cassettes
<b>Control</b>	microprocessor, programming of temperature, working day, working time, time, date
<b>Work area</b>	<b>TNCST</b> 14-9/16" x 10-5/8"  <b>TNCXL</b> 22-7/16" x 10-5/8"
<b>Dimensions</b> (width x depth x height)	<b>TNCST</b> 15-3/4" x 22-7/16" x 11-5/8"  <b>TNCXL</b> 23-5/8" x 22-7/16" x 11-5/8"
<b>Weight</b>	<b>TNCST</b> 55 lbs  <b>TNCXL</b> 79 lbs

<b>Electrical parameters</b>	115 V, 50/60 Hz
<b>Consumption</b>	<b>TNCST</b> Pmax: 150 W  <b>TNCXL</b> Pmax: 250 W
<b>Temperature</b>	18–35°C, air conditioned room recommended
<b>Humidity</b>	< 60%

## Accessories

Call 800.331.2716 for more info.

TN1700C 115 V 60 Hz  
TN1700D 115 V 60 Hz

Item # TNR TN1700C  
Item # TNR TN1700D

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