Automated Tissue Processor - Carousel Tissue Dehydrator - 12 Stations - 56-86°C Paraffin

Model **MSTSP-6ASWISS, MSTSP-6BSWISS** | Brand **Master Science**







The Master Science Automated Tissue Processor is a microprocessor-controlled carousel unit that dehydrates, clears and infiltrates human, animal or plant tissue with paraffin. It suits pathology laboratories in hospitals, universities and research institutes.

KEY HIGHLIGHTS

- Unattended overnight runs
- Even infiltration
- Visible process
- Stable paraffin
- Stronger dehydration

AT A GLANCE

56 to 86 °C (±1 °C)	About 80 cassettes
PARAFFIN TEMPERATURE RANGE	BASKET CAPACITY

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support@themsci.com
www.themsci.com

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Overview

Twelve stations hold nine 2.3 L glass reagent beakers and three 1.8 L heated paraffin cups. A PLC with a 7-inch colour touch screen runs the programme, and a mechanical arm moves the specimen basket between stations. Model MSTSP-6BSWISS adds a vacuum pump for stronger reagent penetration.

> Pathology laboratories that also run blood counts can pair it with the Master Science 5-part auto hematology analyzer.

Key Benefits

Unattended overnight runs
the Master Science Automated Tissue Processor can delay its start by up to one month.

Even infiltration
the basket is agitated at least ten times an hour.

Visible process
glass beakers let you watch the tissue.

Stable paraffin
constant temperature control within ±1 °C.

Stronger dehydration
vacuum assistance on the 6B model.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSTSP-6ASWISS, MSTSP-6BSWISS
SKU	MSTSP-6ASWISS, MSTSP-6BSWISS
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Model Number	MSTSP-6ASWISS, MSTSP-6BSWISS
SKU	MSTSP-6ASWISS, MSTSP-6BSWISS
Processing Steps	12
Reagent Cups	9 glass beakers, 2.3 L each
Paraffin Cups	3, 1.8 L each
Paraffin Temperature Range	**56 to 86 °C (±1 °C)**
Basket Capacity	**About 80 cassettes**
Programmes	10; 0 to 10 hours per cup
Maximum Start Delay	1 month
Minimum Time Setting	1 min
Basket Agitation	≥10 times/hour, 30 s each
Vacuum	MSTSP-6ASWISS: none; MSTSP-6BSWISS: 0.053 MPa

DIMENSIONS & WEIGHT	
Basket Size	Φ95 × 80 mm
Dimensions	Φ670 × 550 mm high (680 mm at highest point)
Package Dimensions	1210 × 920 × 820 mm
Net Weight	60 kg
Gross Weight	175 kg (6A) / 174 kg (6B)

POWER	
Power	1000 W
Voltage	AC 220 V ±10%, 50 Hz (converter needed for 110 V)
Lost samples after power cuts	power failure alert and protection.

COMMON PROBLEMS AND HOW THIS PROCESSOR HELPS	
Common Problems and How This Processor Helps	How the Master Science Automated Tissue Processor addresses daily histology issues:
Manual transfers between reagents	the arm moves the basket automatically.
Uneven dehydration	regular stirring keeps tissue in contact with reagent.
Dense tissue that processes slowly	vacuum-assisted model available.

The Master Science Automated Tissue Processor is used in

Hospital pathology laboratories

College and university laboratories

Research institutes

Human, animal and plant tissue dehydration

Control

- PLC with 7-inch colour LCD touch screen
- 10 stored programmes
- One-button automatic tank finding

Construction

- Mechanical arm places basket at any station
- TEFLON-coated paraffin cups resist corrosion and contamination
- Nine 2.3 L medical glass beakers

Safety

- Power failure alert
- Operation error protection

Vacuum (6B)

- Built-in vacuum pump
- Vacuum can be preset per reagent cup, except paraffin cups