Mini Tissue Processor - Automated Linear Tissue Dehydrator - 12 Cups 750 ml - 40 Cassettes

Model **MSTSP-1SWISS** | Brand **Master Science**





The Master Science Mini Tissue Processor is a compact bench-top unit for laboratories with modest sample numbers. Twelve 750 ml cups, nine for reagents and three for paraffin, sit in a line under a sealed cover, and a basket carrying up to 40 cassettes moves through them automatically.

KEY HIGHLIGHTS

- Fits a small bench
- Lower reagent cost
- Tolerates brief outages
- Accurate basket placement
- Contained fumes

AT A GLANCE

750 ml each CUP CAPACITY	**RT to 80 °C** WAX TANK TEMPERATURE
±1 °C TEMPERATURE CONTROL PRECISION	

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support@themsci.com
www.themsci.com

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Overview

Small cups keep reagent use and running cost low. Single-chip control stores 20 programmes, and the operator can step in manually at any point before the unit returns to its programmed sequence.

Key Benefits

Fits a small bench
the Master Science Mini Tissue Processor is 795 mm wide.

Lower reagent cost
750 ml cups need little solvent.

Tolerates brief outages
short blackouts do not disrupt the run.

Accurate basket placement
photoelectric positioning control.

Contained fumes
sealed cover with gas outlet.

For larger batches, see the Master Science enclosed tissue processor.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSTSP-1SWISS
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Number of Cups	12 (9 reagent, 3 paraffin)
Cup Capacity	**750 ml each**
Basket	168 × 30 × 80 mm, 40 cassettes
Processing Time, First Tank	0 to 99 h 59 min
Processing Time, Other Tanks	0 to 23 h 59 min
Wax Tank Temperature	RT to 80 °C
Temperature Control Precision	±1 °C
Programmes	20 sets
Drainage Time	10 to 60 s in 10 s steps, shake/drip above cup
Tissue Protection Tanks	1 to 7, adjustable

POWER

Stirring Frequency	0 to 6 times/min
Voltage	AC 220 V ±10% 50 Hz (standard) or AC 110 V ±10% 60 Hz
Power	500 W
High reagent consumption	small cup volume.
Runs spoiled by power dips	operation continues after short outages.

DIMENSIONS & WEIGHT

Dimensions (W×D×H)	795 × 435 × 415 mm
Package Dimensions	940 × 550 × 660 mm
Weight	50 kg

COMMON PROBLEMS AND HOW THIS PROCESSOR HELPS

Common Problems and How This Processor Helps	How the Master Science Mini Tissue Processor answers small-lab constraints:
No room for a floor-standing unit	bench-top linear layout.
Reagent carry-over	adjustable drain time with shake above the cup.

Applications

The Master Science Mini Tissue Processor is used for
Tissue dehydration and paraffin infiltration Small pathology and histology laboratories Teaching and research laboratories with low sample volumes

Housing

- APS-coated, corrosion-resistant body
- Well-sealed plexiglass cover with gas-efflux mechanism
- Small footprint

Control

- Single-chip computer control
- Manual adjustment possible during automatic operation
- Detects and recovers from abnormal events

Mechanics and Heating

- Two-dimensional transmission system, low noise and wear-resistant
- High-precision photoelectric positioning
- Internal dry heating with precise temperature control