Technical data

SPECIFICATIONS

SIZE			
Diameter	850 mm		
Height	500 - 700 mm		
Diameter of the roller's circle	670 mm		
WEIGHT	70 Kg		
POWER REQUIREMENTS / FUSES			
Version 1	110-120VAC	50/60Hz	2xT4A
Version 2	220-240VAC	50/60Hz	2xT2A
CONSUMPTION	400 VA		
NIQUEL-CADMIUM BATTERY	12 V 600 mA		
PROGRAMMING			
Number of programs	10 (selectable)		
Infiltration time per station	from 1 m to 99 h 59 m		
Rotational agitation	selectable		
Shaking	selectable		
Centrifuging time	selectable		
Program start delay	selectable without time limit		
CAPACITY			
REAGENT STATIONS			
Number of vessels	10 (9 if 3 paraffin baths are used)		
Volume per vessel	1,8 l		
PARAFFIN STATIONS			
Number	2 (optionally 3)		
Volume	1,8 l		
Nominal voltage	24 V AC		
Nominal power per station	100 VA		
Temperature setting range	45-70° in 1°C increments		
Overtemperature release	75°C (+-4°C)		
CASSETTE BASKETS			
Number of baskets	1 (optionally 2)		
Basket capacity	120 cassettes (optionally 240)		



VERSIONS

STP 120 -1
Standard instrument - 10 reagent vessels, 2 paraffin baths, 1 stainless steel basket for 120 cassettes.

STP 120-2
Standard instrument + fume extraction system with charcoal filter.

STP 120-3
Standard instrument + fume ex-traction system with charcoal filter + 3 paraffin baths + 2 baskets for 120 cassettes each.



ACCESSORIES

- Spiral support for a second cassette basket (double processing caspacity),
- Additional basket,
- Additional paraffin bath (necessary when operating the processor with the 2 baskets),
- Fume extraction system with active charcoal filter.

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STP-120

The state-of-the-art technology and the unsurpassed processing method to meet the requirements of every single laboratory.

SPIN TISSUE PROCESSOR
STP120-1 / STP120-2 / STP120-3

SPIN TISSUE PROCESSOR

STP-120

The innovative method of processing unmatched to meet the needs of any laboratory execution.

A GLOBALLY EXCLUSIVE PROCESSING METHOD

A GLOBALLY EXCLUSIVE PROCESSING METHOD ROTATIONAL AGITATION

Thanks to our exclusive rotational agitation system, the cassettes—immersed in reagents—rotate at 60 rpm, reversing every 60 seconds. This dynamic fluid-tissue interaction guarantees optimal penetration, drastically reduces processing time, and ensures consistent reagent mixing.



3D DYNAMIC FLOW FOR MAXIMUM EFFICIENCY SHAKING

Activated directly from the control panel, the vertical movement of the basket—combined with uninterrupted rotational agitation—creates a helical motion. The result? An extraordinary increase in reagent-tissue interaction and processing uniformity.



SMART DRAINING TECHNOLOGY CENTRIFUGING

The basket rises above the reagent—without exiting the vessel—and begins a high-speed 210 rpm rotation, alternating direction every 15 seconds. This action eliminates residual liquid, avoids cross-contamination, and significantly extends reagent lifespan.



With this specific processing system, the results obtained are equivalent to those of the vacuum method.



INTUITIVE TOUCH INTERFACE CONTROL AT YOUR FINGERTIPS

Designed to simplify every operation, the STP-120 puts total control in your hands. The ergonomically arranged keys ensure comfortable, intuitive use, while the LCD display provides a clear overview of all process parameters at a glance.
Configure up to 10 custom programs, launch them immediately or schedule with delay mode, and lock the keypad to avoid accidental changes—because precision matters.

TOTAL SAFETY SYSTEM PROTECTION FOR USER AND SPECIMEN

Every detail of the STP-120 has been engineered with safety in mind. Tight-seal lids minimize vapor emissions, while models STP120-2 and STP120-3 feature integrated fan filters for extra fume control.
In the event of a power failure, the onboard battery gently lowers samples into the reagent to prevent drying.
Once power is restored, the system automatically resumes processing from the exact point of interruption.

SMART FAILSAFE TECHNOLOGY™: NO COMPROMISE ON CONTINUITY

If the power outage lasts long enough for paraffin to solidify, a dedicated safety program halts the process and waits until the paraffin melts again—avoiding any risk to your specimens.
If a step is overextended, the display alerts you with the station number and overtime duration.
The system allows emergency basket movements (as long as they're not in solid paraffin), offers a full emergency stop button, and even lets you pause a run for urgent sample additions or reloads.





