

Instruments for Anatomical Pathology



Photos courtesy of **Anatoscopo S.L.** (www.anatoscopo.cat), Institute of Pathology in Tarragona (Spain).

Especialidades Médicas Myr S.L., the company

Especialidades Médicas Myr, S.L. is a Spanish company dedicated to the development and manufacturing of instruments for anatomical pathology based in Llorenç del Penedès, a town located 70 km south of Barcelona.

Since its foundation 30 years ago, **Myr S. L.** has been active in the pathology field acting as OEM manufacturer for renowned companies and providing premium instruments for almost the whole range of specimen preparation. The reputation earned for the quality of the instruments and the reliability of our service over this period of time prompted the decision some years ago to distribute our products under our own brand name: **Myr**.

In this short period of time we have strengthened efforts to internationalise our products. The results achieved so far are encouraging. The success can be credited to a range of instruments that in terms of quality, reliability and price, exactly meet the requirements of many small and medium-large laboratories. Our portfolio includes a **tissue processor**, two **embedding centers** and an **automated slide stainer**; our commitment is to keep on developing instruments and become a full-range supplier for histology.

The key to our success lies in our reliability as a competent partner for all our customer's requirements, in our long-term experience as manufacturer of instruments and, last but not least, in the fact that all our products are 'made in Spain'.



Products

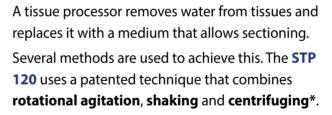
Spin Tissue Processor STP 120
Tissue Embedding Center EC 350
Tissue Embedding Center EC 500
Automated Slide Stainer Myreva SS-30

Units are assembled at our premises in Llorenç del Penedès (Spain).

All components and parts of our products are made in Spain.

Spin Tissue Processor STP 120

With more than 2.000 units installed around the world, the most successful semi-enclosed tissue processor ever.



The basket with the cassettes are dipped into the reagent vessel where they turn at 60 rpm periodically in each direction. To get optimum results, there is



rotational agitation with an up-and-down movement of the basket (*shaking*). Finally, the basket is placed over the reagent level and starts whirling at 120 rpm in order to minimize reagent carry-over.

Myr **STP Processor** can work with one or two baskets (option). Each basket can process up to 120 cassettes.

rotational agitation



shaking

entrifuging







Technical Data Spin Tissue Processor STP 120

Power requirements

Nominal voltage 100 - 120 V | 220-240 V AC

Network's frequency 50/60 Hz

Capacity

No of reagent vessels 10 (9 with 3 paraffin baths)

Volume/vessel 1,8 l

No of paraffin stations 2 (optionally 3)

N° of baskets 1 (optionally 2)

Capacity of baskets 120 cassettes (optionally

240)

Programming

No of programs 10 programs selectable

Dimensions

Diameter 850 mm

Height 500 - 700 mm

Weight 145 kg

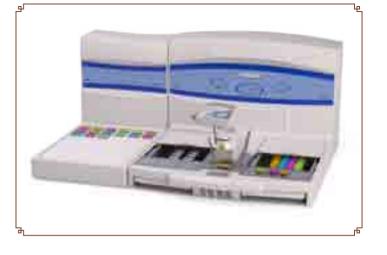
Versions

STP 120-1	Standard instrument (basic instrument, 10 reagent vessels, 2 paraffin baths, 1 stainless steel basket for 120 cassettes, 1 tool kit and 1 user manual).
STP 120-2	STP 120-1 + fume extraction system with charcoal filter.
STP 120-3	STP 120-2 + 3rd paraffin station and 2nd basket for another 120 cassettes.



Tissue Embedding Center EC 350

Embedding center featuring innovative design, easy operation and modularity that meets the requirements of modern labs.



After processing the tissue, the embedding center forms a block of paraffine containing the tissue.

Myr EC 350 is a modular embedding unit consisting of a dispensing console and a cryo console.

The **dispensing console** is equipped with two large trays both for molds and cassettes at both sides of the dispensing nozzle, where six heated holes for forceps and a large field magnifier are integrated. Ergonomical working is also enhanced with the

clear arrangement and ease-of-operation of the programming keypad at the front panel. The large capacity of the paraffin container rounds up the user-friendliness of the embedding modul.

The **cryo console** can be placed at both sides of the dispensing console. It depicts a large cooling surface up to 60 paraffin blocks and can be operated also as a stand-alone instrument.



Technical Data Tissue Embedding Center EC 350

Dispensing console EC 350-1

Dimensions

Console **650 x 595 x 432 mm**Tray **262 x 175 x 55 mm**

Capacity

Paraffin reservoir 5 l

Left/right chamber 1,7 I / 190 cassettes

400 molds

Power requirements version 1 100-120 V

version 2 220-240 V

Cryo Console EC 350-2

Dimensions

Console 340 x 620 x 405 mm

Cold plate 375 x 307 mm

Capacity up to 60 cassettes

Temperature settings 0 / -12 °C Weight 24,4 kg

Power requirements version 1 100 V

version 2 110 - 120 V version 3 220 - 240 V

Options

Electrically heated tweezers

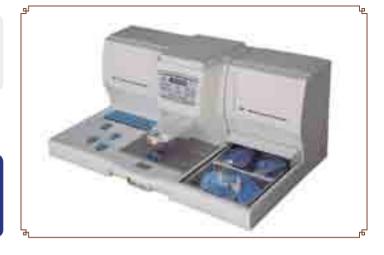


Tissue Embedding Center EC 500

Modular center with dispensing console, thermal and cryo unit for enhanced embedding of paraffin blocks.

This embedding center has been developed to meet the requirements of modern labs. In contrast to the EC 350, *Myr* **EC 500** consists of three separate modules with an increased capacity both of storage place and embedding surface.

The **thermal unit** integrates two large storages both for cassettes and molds that can accept baskets from any tissue processor.



The **dispensing console** is equipped with LED illumination, 8 heated holes for forceps, paraffin trimmer and connector for electrically heated tweezers. The control panel at the front allows easy programming and setup of working parameters.

The large surface of the **cryo unit** allows the storage of up to 60 cassettes or molds. Operation as stand-alone unit is possible.



Technical Data Tissue Embedding Center EC 500

Dispensing console EC 500-2

Dimensions

Console **345 x 641 x 405 mm**Heated area **340 x 253 mm**

Adjustable temperature range

Paraffin reservoir 40-70 °C

Heated area / wells 40-70 °C

Capacity

Paraffin reservoir 5 l

Thermal Console EC 500-3

Dimensions

 Console
 340 x 623 x 395 mm

 Cassette storage
 269 x 510 x 88 mm

 Mold storage
 275 x 170 x 180 mm

Adjustable temperature range

Cassette storage 40-70 °C Mold storage 40-70 °C

Cryo Console EC 500-1

Dimensions

Console **335 x 623 x 395 mm**

Cold plate 375 x 307 mm

Adjustable temperature range

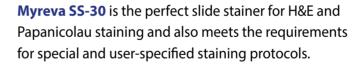
Cold plate from 0 to -12 °C

Options

Electrically heated tweezers Magnifier

Automated Slide Stainer Myreva SS-30

Multi-loading stainer for routine and special staining that meets the demand for speed, convenience and versatility.



This small benchtop unit features a compact footprint, so it is ideal for small and medium labs. The user can easily control the immersion time and speed, and additionally reduce carry-over by adjusting shake (dipping) and amplitude (vertical travel). It is also possible to customize water station positions to optimize and maximize efficiency to reduce staining times.

Myreva SS-30 works in multi-loading mode, which enables the 20-station stainer to run up to five racks (a total of 150 slides) simultaneously.

The stainer offers up to 2 loading, 3 unloading and 3 rinse stations, and also features a battery backup with a 2-hour lifecycle





Technical Data Tissue Slide Stainer Myreva SS-30

Specifications			
Specimens	Histological and/or cyto- logical	Dimensions Weight	1.200 x 440 x 368 n 55 kg
Staining capacity	up to 5 racks simulta- neously	Nominal voltage	100-240 VAC /
Slide rack capacity	30 slides		50-60 Hz
N° of programs	up to 20	Drying station	30 - 70 °C
Immersion time	from 1 s to 59 m	temperature	
Reagent stations	up to 19		
Water stations	up to 3		
Load stations	up to 2		
Unloading stations	up to 3		

Versions

SS-30 Automated slide stainer		Automated slide stainer
	SS-30H	Automated slide stainer with drying station & Reagent Management System





Myr's role in the pathology sector is not completed yet. In our aim to become a global instrument provider in the anatomic pathology field, we are continuously improving our current equipment and developing new devices.

We are confident that our customers will benefit from our product portfolio and will appreciate our efforts to supply them with top-quality devices and excellent service.











30 years equipping the world

Histology instruments manufactured by



