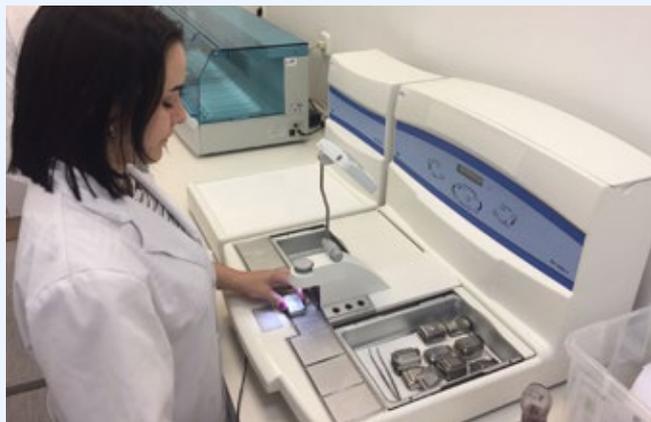


Myr

Especialidades Médicas Myr, S.L.

Instruments for Anatomical Pathology

Devoted to Histology ■



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

Especialidades Médicas Myr, S.L.

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.

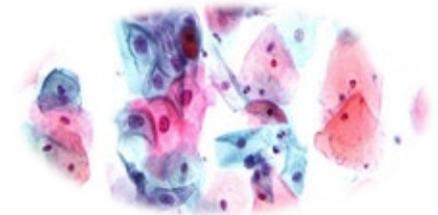
Since its foundation more than 30 years ago, **Myr** has been active in the pathology field acting as OEM manufacturer for renowned companies and providing premium instruments for almost the whole range of specimen preparation. The reputation earned for the quality of the instruments and the reliability 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**, a **semi-automated rotary microtome** and an **automated slide stainer**; our commitment is to keep on developing instruments and become a full-range supplier for histology.

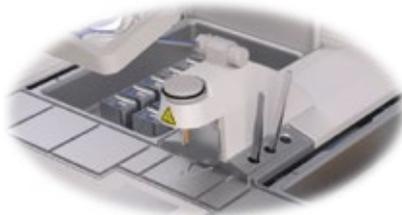
The key to our success lies in our reliability as a competent partner for all our customer's requirements, in our long-term experience as manufacturer of instruments and, last but not least, in the fact that all our products are 'made in Spain'.

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Processing



Staining



Embedding



Sectioning

Instruments

Spin Tissue Processor STP 120

Tissue Embedding Center EC 350

Tissue Embedding Center EC 500

Automated Slide Stainer SS-30

Semi-Automated Rotary Microtome M-240

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 3.000 units installed around the world, the most successful semi-enclosed tissue processor ever.

A tissue processor removes water from tissues and replaces it with a medium that allows sectioning.

Several methods are used to achieve this. The **STP 120** uses a patented technique that combines **rotational agitation, shaking** and **centrifuging***.

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 an optional shaking feature, which combines the 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 120 tissue processor can work with one or two baskets (option). Each basket can process up to 120 cassettes.

rotational agitation



shaking



centrifuging



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*All other semi-enclosed processors in the market make only an up-and-down movement of the basket

Technical Data Spin Tissue Processor STP 120

| Power requirements | | Programming | |
|-------------------------|-----------------------------------|----------------|------------------------|
| Nominal voltage | 100 - 120 V 220-240 V AC | N° of programs | 10 programs selectable |
| Network's frequency | 50/60 Hz | | |
| Capacity | | Dimensions | |
| N° of reagent vessels | 10 (9 with 3 paraffin baths) | Diameter | 850 mm |
| Volume/vessel | 1,8 l | Height | 500 - 700 mm |
| N° of paraffin stations | 2 (optionally 3) | Weight | 145 kg |
| N° of baskets | 1 (optionally 2) | | |
| Capacity of baskets | 120 cassettes (optionally 240) | | |

Versions

| | |
|-----------|---|
| STP 120-1 | Standard instrument (basic instrument, 10 reagent vessels, 2 paraffin baths, 1 stainless steel basket for 120 cassettes). |
| 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 **EC350** is a modular embedding unit consisting of a **dispensing console** and a **cryo console**.

The **dispensing console** is equipped with two large trays for both molds and cassettes at both sides of the dispensing nozzle.

Six heated wells 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 together with the large field magnifier rounds up the user-friendliness of the embedding module.

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 l / 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

Methacrylate cover for cryo console

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 of both, 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 eight heated wells for forceps, white LED illumination



with adjustable intensity, two paraffin trimmer and a connector for electrically heated tweezers. The control panel features an user friendly keyboard for easy programming and setup of working parameters.

The large surface of the **cryo unit** allows the storage of up to 60 cassettes or molds and offers an even temperature distribution over the entire surface.

Operation as stand-alone unit is possible.

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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
- Methacrylate cover for cryo console

Automated Slide Stainer SS-30

Multi-loading slide stainer for routine and special staining protocols. Flexible and versatile design for optimized staining results.

SS-30 is the perfect slide stainer for H&E and Papanicolau staining.

With a compact footprint, it is ideal for labs with shallow benches to optimize valuable space.

The agitation system can be individually programmed for each station: it is available in 4 different preset dip modes with 3 configurable parameters: number, speed and amplitude of the dips. A special programming for the washing stations is also available.



SS-30 offers more staining flexibility allowing simultaneous and automatic staining of up to five slide racks, enabling up to 150 slides to be stained simultaneously. The instrument calculates the most efficient route for each rack/protocol.

The stainer can store up to 20 programmed protocols in memory with 50 steps each maximum. The Reagent Management System (RMS) keeps track of reagent usage and ensures an optimal staining quality (only available in SS-30H).

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Technical Data Automated Slide Stainer SS-30

Specifications

| | | | |
|---------------------|---|----------------------------|-------------------------------|
| Specimens | Histological and/or cytological | Dimensions | 1.200 x 440 x 368 mm |
| Staining capacity | up to 5 racks simultaneously | Weight | 55 kg |
| Slide rack capacity | 30 slides | Nominal voltage | 100-240 VAC / 50-60 Hz |
| N° of programs | up to 20 | Drying station temperature | 30 - 70 °C |
| Immersion time | from 1 s to 59 m | | |
| Reagent stations | up to 19 | | |
| Water stations | up to 3 | | |
| Load stations | up to 2 | | |
| Unloading stations | up to 3 (2 if drying station is available) | | |

Versions

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

Semi-Automated Rotary Microtome M-240

The M-240 microtome from *Myr* uses state-of-the-art technology and embodies the company's commitment to quality and excellence in the microtomy.

Equipped with the largest touchscreen in the market to enhance user-friendliness and ergonomics, **Myr M-240** semi-automated rotary microtome provides the operational convenience and the stability required for outstanding sectioning in routine, research and industry applications.

Spacious waste tray with a special antistatic coating to prevent paraffin adhesion minimizing the cleaning time. Ergonomic design that includes surface for arm rest.



Knife carrier system of outstanding stability. Blade holder slides sideways in both directions allowing the use of the entire cutting edge. It accepts low- and high-profile blades.

The retraction function, that can be deactivated, helps extending the blade's shelf life.

Equipped with a specimen orienting head with indication of 0-position in x and y direction by palpable "click" for the precise alignment of the specimen.

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Technical Data Semi-Automated Rotary Microtome M-240

Specifications

Section thickness

| | |
|---------------------------------|------------------------------|
| Total range in (μ) | 0,5 - 100 |
| Thickness settings in (μ) | 0,5 - 5 in increments of 0,5 |
| | 5 - 20 in increments of 1 |
| | 20 - 60 in increments of 5 |
| | 60 - 100 in increments of 10 |

Trimming

| | |
|---------------------------------|-------------------------------|
| Total range in (μ) | 1 - 600 |
| Thickness settings in (μ) | 1 - 10 in increments of 1 |
| | 10 - 20 in increments of 2 |
| | 20 - 50 in increments of 5 |
| | 50 - 100 in increments of 10 |
| | 100 - 600 in increments of 50 |

Specimen feed (mm) 28 \pm 1mm

Vertical stroke (mm) 72 \pm 1mm

Specimen retraction

Total range in (μ) 5 - 250
(selectable in 1 μ increment)
Optional function that can be deactivated

Specimen orientation

\pm 8° horizontal and vertical
Rotational capability: 360°

Power requirements

100-240 VAC/
50-60Hz

Dimensions

465 x 540 x 298 mm

Weight

33,9 Kg

Options

Standard specimen clamp 55x50 mm
Knife carrier for disposable blades, model ME



Photos courtesy of **LLebalust Patologia**, **ATRY S HEALTH** Group, Medical Center Teknon in Barcelona.

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 continue to work to ensure that our product portfolio brings even greater added value to our customers and that they will benefit from the effort we are making to supply them with top quality products and services.



ISO 9001/13485 certified company



30 years equipping the world

Histology instruments **manufactured by**

Myr



Especialidades Médicas Myr S.L.

ISO 9001 / 13485 certified company

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