



# Galileo

rotative microtomes

- Ample tray with anti-slip pad, easy removable for a fast cleaning
- Lighted backlit panel to a prompt check of cut sections quality
- Precise specimen orientation with zero point reference:
  - Electronic lock of specimen holder in every position, for operator's safety
  - Automatic retraction with possibility to set specimen retraction thickness
  - Clamp for cassettes with universal quick-lock with lever
  - Settable vertical stroke for time optimization
- Precise lateral knife holder adjustment, with three predefined stop positions, blade removal system and cutting protection for operator's safety
- Safe, smooth-running handwheel with exclusive electronic lock in every position simply pressing a key on remote control, with ergonomically designed handwheel handle
- Ergonomic remote control, to be freely placed by the operator, easy to use with colored icons
- User interface in English with intuitive icons
- Roomy waste basin, removable for an easy cleaning
- Stable microtome base plate for excellent cutting performance

<b>Technical features Galileo SEMI</b> which allows motorized as well as manual sectioning	
<b>SECTIONING THICKNESS SETTING RANGE</b>	<b>SPECIMEN ORIENTATION</b>
0.5 - 100 micron	Horizontal: 8°, vertical: 8°, rotation 360°
0.5 - 5 micron in 0.5 micron increments	<b>MAXIMUM SPECIMEN SIZE (WxD)</b>
5 - 20 micron in 1 micron increments	55X50 mm (68x50 mm con with clamp for macrocassettes)
20 - 30 micron in 2 micron increments	<b>SPECIMEN RETRACTION</b>
30 - 60 micron in 5 micron increments	Manual 5-100 micron in 5 microm increments (can be turned off)
60 - 100 micron in 10 micron increments	<b>NOMINAL SUPPLY VOLTAGE</b>
<b>TRIMMING SECTION THICKNESS SETTING RANGE</b>	230 V - ± 10%
1 - 600 micron	110 V - ± 10%
5 - 30 micron in 5 micron increments	<b>POWER CONSUMPTION</b>
30 - 100 micron in 10 micron increments	200VA
100 - 200 micron in 20 micron increments	<b>CERTIFICATIONS</b>
200 - 600 micron in 50 micron increments	CE-IVD
<b>OBJECT FEED</b>	<b>DIMENSIONS (WxDxH)</b>
30 mm +-1 mm, feed motion via step motor	about 400x675x350 mm
<b>VERTICAL STROKE</b>	<b>WEIGHT</b>
70 mm	40 Kg

<b>Technical features Galileo AUTO</b>	
<b>SECTIONING THICKNESS SETTING RANGE</b>	<b>MAXIMUM SPECIMEN SIZE (WxD)</b>
0.5 - 100 micron	55X50 mm (68x50 mm with clamp for macrocassettes)
0.5 - 5 micron in 0.5 micron increments	<b>SPECIMEN RETRACTION</b>
5 - 20 micron in 1 micron increments	Manual 5-100 micron in 5 micron increments (can be turned off)
20 - 30 micron in 2 micron increments	<b>NOMINAL SUPPLY VOLTAGE</b>
30 - 60 micron in 5 micron increments	230 V - ± 10%
60 - 100 micron in 10 micron increments	110 V - ± 10%
<b>TRIMMING SECTION THICKNESS SETTING RANGE</b>	<b>POWER CONSUMPTION</b>
1 - 600 micron	200VA
5 - 30 micron in 5 micron increments	<b>CERTIFICATIONS</b>
30 - 100 micron in 10 micron increments	CE-IVD
100 - 200 micron in 20 micron increments	<b>DIMENSIONS (WxDxH)</b>
200 - 600 micron in 50 micron increments	about 400x675x350 mm
<b>OBJECT FEED</b>	<b>WEIGHT</b>
30 mm +-1 mm, feed motion via step motor	40 Kg
<b>VERTICAL STROKE</b>	<b>CUTTING MODES</b>
70 mm	Interval, single, multi and continuous
<b>SPECIMEN ORIENTATION</b>	<b>SPECIMEN RETRACTION</b>
Horizontal: 8°, vertical: 8°, rotation 360°	In motorized operation from 10 to 70 micron, varying with the sectioning speed (can be turned off)
<b>SECTIONING MODES</b>	
4	

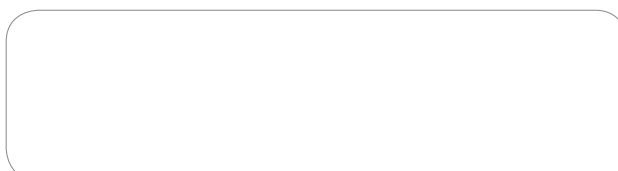
Technical specifications are subjected to change without prior notice. For up-to-date developments, please refer to the instrument data sheet.

Wide range of accessories and consumables on request.



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# Galileo

rotative microtomes



134-EN

The line includes two models:



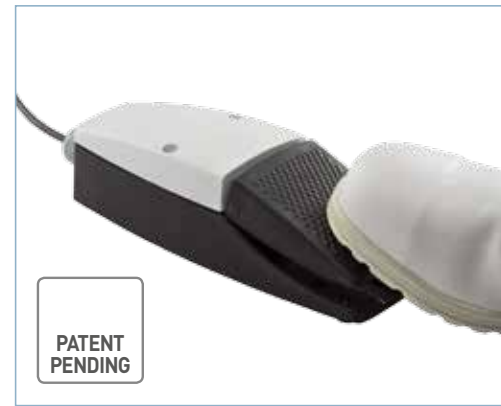
- Fully automatic microtome Galileo AUTO
- Semi-automatic microtome Galileo SEMI

# Galileo

rotative microtomes

DIAPATH

## INNOVATION



### DYNAMIC SPEED CONTROL PEDAL (only for Galileo AUTO)

- The revolutionary speed control pedal of the microtome Galileo AUTO is different from those available in the market. It allows to dynamically set cutting and trimming speed for an easier, safer and more accurate working
- The operator can choose between automatic sectioning through dynamic speed control pedal or remote control



### BACKLIT PANEL

- Easy check of cut sections quality
- Check of the right association between paraffin section and sections on slide



### ELECTRONIC QUICK-LOCK OF THE HANDWHEEL

- Exclusive electronic quick-lock in every position with a simple pressure of a key on the remote control

## ATTENTION FOR THE OPERATOR

### SAFETY

#### BLADE HOLDER LOCK

- Precise lateral knife holder adjustment, with three predefined stop positions
- Blade removal system and blade holder with cutting protection for operator's safety

### COMFORT

#### HANDWHEEL

- Safe, smooth-running handwheel
- Ergonomically designed handwheel handle

### EASY TO USE

- Ergonomic **remote control** to be freely placed by the operator; equipped with:
  - Menu with color icons
  - Quick set-up and function display as cutting thickness and sections counting
- Intuitive and easy to use **software**
- **Prompt use** due to practical setting parts



## EXCELLENCE IN CUTTING

### STABILITY

#### STABLE MICROTOME BASE PLATE

- Made of iron-carbon alloy to produce a robust and stable support for excellent cutting performances

### ERGONOMICS

#### STUDY OF DESIGN

- Characteristic and refined design; ergonomics and operator's safety are Diapath's number one priority
- Structural philosophy focused on low maintenance
- Safe automatic starting up (pressing two keys)



100% Made in Italy  
Italian project,  
manufacturing and assembling