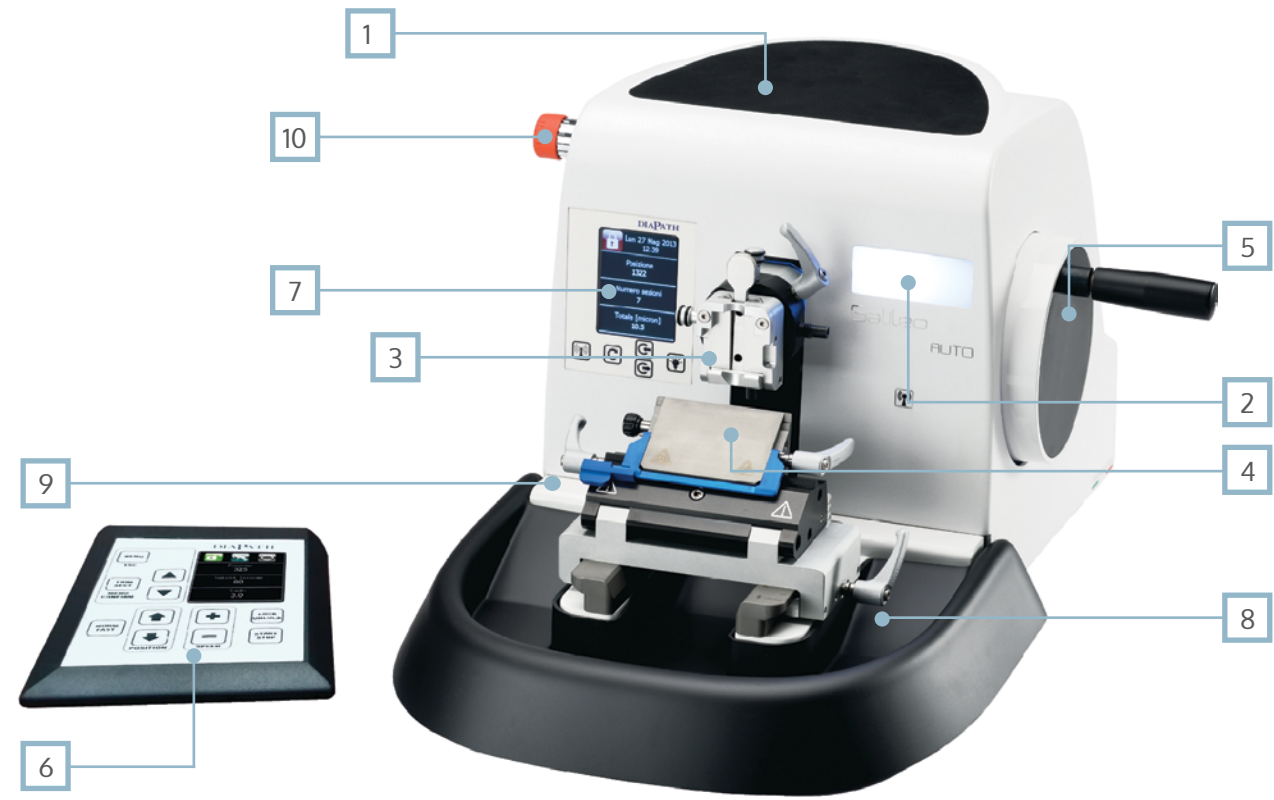




# Galileo

rotative microtomes



- 1 Roomy tray with anti-slip pad, easy removable for a fast cleaning
- 2 Lighted backlit panel to a prompt check of cut sections quality
- 3 Precise specimen orientation with zero point reference:
  - Electronic lock of specimen holder in every position, for operator 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
- 4 Precise lateral knife holder adjustment, with three predefined stop positions, blade removal system and cutting protection for operator's safety
- 5 Safe, smooth-running handwheel with exclusive electronic lock in every position simply pressing a key on remote control, with ergonomically designed handwheel handle
- 6 New ergonomic remote control, to be freely placed by the operator, high stability, waterproof and easy to use with colored icons
- 7 User interface in English with intuitive icons
- 8 Roomy waste basin, removable of an easy cleaning
- 9 Stable microtome base plate for excellent cutting performance
- 10 Emergency stop

## Technical features Galileo SEMI

### SECTIONING THICKNESS SETTING RANGE

0.5 - 100 micron  
 0.5 - 5 micron in 0.5 micron increments  
 5 - 20 micron in 1 micron increments  
 20 - 30 micron in 2 micron increments  
 30 - 60 micron in 5 micron increments  
 60 - 100 micron in 10 micron increments

### TRIMMING SECTION THICKNESS SETTING RANGE

1 - 600 micron  
 5 - 30 micron in 5 micron increments  
 30 - 100 micron in 10 micron increments  
 100 - 200 micron in 20 micron increments  
 200 - 600 micron in 50 micron increments

### OBJECT FEED

30 mm +1 mm, feed motion via step motor

### VERTICAL STROKE

70 mm

### SPECIMEN ORIENTATION

Horizontal: 8°, vertical: 8°, rotation 360°

### MAXIMUM SPECIMEN SIZE (WxD)

55x50 mm (68x50 mm with clamp for macrocassettes)

### SPECIMEN RETRACTION

Manual 5-100 micron in 5 microm increments (can be turned off)

### NOMINAL SUPPLY VOLTAGE

230 V ~ ± 10%

110 V ~ ± 10%

### POWER CONSUMPTION

### CERTIFICATIONS

CE – IVD - cTUVus

### DIMENSIONS (WxDxH)

about 400x675x350 mm

### WEIGHT

40 Kg

## Technical features Galileo AUTO

### SECTIONING THICKNESS SETTING RANGE

0.5 - 100 micron  
 0.5 - 5 micron in 0.5 micron increments  
 5 - 20 micron in 1 micron increments  
 20 - 30 micron in 2 micron increments  
 30 - 60 micron in 5 micron increments  
 60 - 100 micron in 10 micron increments

### TRIMMING SECTION THICKNESS SETTING RANGE

1 - 600 micron  
 5 - 30 micron in 5 micron increments  
 30 - 100 micron in 10 micron increments  
 100 - 200 micron in 20 micron increments  
 200 - 600 micron in 50 micron increments

### OBJECT FEED

30 mm ± 1 mm, feed motion via step motor

### VERTICAL STROKE

70 mm

### SPECIMEN ORIENTATION

Horizontal: 8°, vertical: 8°, rotation 360°

### SECTIONING MODES

Normal, Fast

### CUTTING SPEED

From 0 to 150 micron - 420 mm/sec

### MAXIMUM SPECIMEN SIZE (WxD)

55x50 mm (68x50 mm with clamp for macrocassettes)

### SPECIMEN RETRACTION

Manual 5-100 micron in 5 microm increments (can be turned off)

In motorized operation from 10 to 70 micron, according to the sectioning speed (can be turned off)

### NOMINAL SUPPLY VOLTAGE

230 V ~ ± 10%

110 V ~ ± 10%

### POWER CONSUMPTION

200VA

### CERTIFICATIONS

CE – IVD - cTUVus

### DIMENSIONS (WxDxH)

about 400x675x350 mm

### WEIGHT

40 Kg

### CUTTING MODES

Single, multi and continuous

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  
 Pictures for illustration purposes.

**DIAPATH**

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**DIAPATH**

**Galileo**  
rotative microtomes

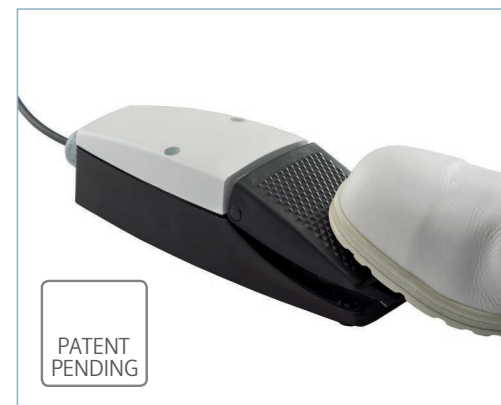


IVD CE

Made in Italy

## THE LINE IS COMPOSED BY TWO MODELS:

- Galileo AUTO: fully automatic microtome
- Galileo SEMI: semi-automatic microtome



### TWO CUTTING MODES

- **Normal:** start the cutting with a simple pressure of the dynamic speed control pedal
- **Safe:** starting up of the cutting only pressing the key located on the remote panel

### 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

### 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

### NEW IMPROVEMENT

- Max cutting speed 150=420 mm/sec.



## ATTENTION FOR THE OPERATOR

### SAFETY

#### BLADE HOLDER

- Precise lateral knife holder adjustment, with 3 predefined stop positions
- Blade removal system and blade holder with cutting protection for operator 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 colored 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
- The operator can choose between automatic sectioning through dynamic speed control pedal or remote control



## 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 priorities
- Structural philosophy focused on low maintenance and operator's safety are Diapath's priorities
- Safe automatic starting up (pressing two keys)



Approval mark TUV\*  
\*Not available in all Countries