



# Galileo

rotative microtomes



- 1 Ample 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

## 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  $\pm$  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 con with clamp for macrocassettes)

### SPECIMEN RETRACTION

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

### NOMINAL SUPPLY VOLTAGE

230 V  $\pm$  10%

110 V  $\pm$  10%

### POWER CONSUMPTION

200VA

### CERTIFICATIONS

CE - IVD - cTUVus

### DIMENSIONS (WXDXH)

about 400x675x350 mm

### WEIGHT

40 Kg

## Technical features Galileo AUTO

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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  
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### OBJECT FEED

30 mm  $\pm$  1 mm, feed motion via step motor

### VERTICAL STROKE

70 mm

### SPECIMEN ORIENTATION

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

### SECTIONING MODES

4

### 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, varying with the sectioning speed (can be turned off)

### NOMINAL SUPPLY VOLTAGE

230 V  $\pm$  10%

110 V  $\pm$  10%

### POWER CONSUMPTION

200VA

### CERTIFICATIONS

CE - IVD - cTUVus

### DIMENSIONS (WXDXH)

about 400x675x350 mm

### WEIGHT

40 Kg

### CUTTING MODES

Interval, 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



1MKTOBR134EN

**DIA PATH**

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IVD CE

**DIA PATH**





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

- 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



## 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)



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

MADE IN ITALY