



# Galileo

Rotary microtomes Galileo Series 2



## Intuitive Remote control

- LCD colour display
- MENU button
- Sectioning/trimming setting key
- Cutting stroke (single, multi and continuous) setting button
- Sectioning thickness mode and MENU surfing switch
- Speed Control knob to set cutting speed (sectioning/trimming)
- Sectioning position button
- Electronic lock/unlock handwheel switch
- Start/Stop switch for sectioning in automatic mode, and complete safety for the operator



## Innovative Local board

Disable the Remote control in order to manage Galileo Series 2 by using the Local board only

- LCD colour display
- Cutting thickness set button (sectioning/trimming)
- Cutting speed setting button (sectioning/trimming)
- Positioning and HOMING button
- Start/Stop switch for sectioning in automatic mode, and complete safety for the operator
- Sectioning/trimming setting switch
- Electronic lock/unlock handwheel switch
- Backlit panel activation button

## Functional features

- Precision and reliability
- Handwheel locking system in each position
- Micrometer orientation system of the specimen
- Speed Control
- Integrated Local board with LCD colour display to manage sectioning options without using the Remote control

- Remote control with LCD colour display
- Recording sectioning position system
- Knife holder with cutting protection
- Dynamic control pedal
- Backlit panel
- Ergonomic design

## Technical features

**Sectioning thickness setting range**  
0,5 - 100 µm  
0,5 – 5 µm in 0,5 µm increments  
5 – 20 µm in 1 µm increments  
20 – 30 µm in 2 µm increments  
30 – 60 µm in 5 µm increments  
60 – 100 µm in 10 µm increments

**Trimming thickness setting range**  
1 - 600 µm  
5 – 30 µm in 5 µm increments  
30 – 100 µm in 10 µm increments  
100 – 200 µm in 20 µm increments  
200 – 600 µm in 50 µm increments

**Cutting speed – settable (only for AUTO)**  
0 - 150 (0 - 420 mm/sec)

**Horizontal specimen feed**  
30 mm +/- 1 mm, feed motion via step motor

**Temperature**  
From +5° to +40°C

**Max humidity**  
80% related to temperatures up to 31°C with linear decrease up to 0% of 40°C

**Performed heating**  
17BTU/hr

**Vertical stroke**  
70 mm

**Sectioning stroke (only for AUTO)**  
Manual, automatic (single, multi, continuous), rock mode, Dynamic control pedal (Normal and Safe)

**Specimen orientation**  
Horizontal: 8° (X), Vertical: 8° (Y) Rotation: 360°

**Maximum sample size (WxD)**  
Standard object clamp: 55x50 mm  
Large object clamp: 68x50 mm  
Universal cassette clamp

**Retraction**  
Manual cutting 5-100 µm in 5 µm increments (can be turned off)  
Motorized cutting 10-70 µm, according to cutting speed (can be turned off)

**Speed advance**  
0 – 1200 µm/s

**Electrical features**  
Nominal supply voltage: 230 V +/-10% - 110 v +/-10%  
Power consumption: 200VA  
Certification: CE -IVE- cTUVus

**Weight and Dimensions**  
Dimensions (WxDxH): 400x675x350 mm (approximately)  
Weight: 40 kg

## Accessories

Large object clamp  
Universal clamp  
Workbench lamp



Pictures for illustration purposes only

# DIAPATH

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# DIAPATH

# Galileo

Rotary microtomes Galileo Series 2



1MKTOBR161EN

# Galileo

## Rotary microtomes Galileo Series 2

The new rotary microtomes line Galileo Series 2 is designed to meet requirements of precision, reliability and safety assuring the best performances in histological samples cutting.

With its innovative, motorized mechanical system, it to be used in both automatic and semi-automatic mode.

Histological samples are cut (in 0.5 µm increments) with the maximum precision and accuracy, ensuring high standards of user safety during the cutting phase.

### GALILEO AUTO

Galileo AUTO Series 2 in automatic mode can easily be adapted to the needs of the operator using 3 different controls:

- Remote control
- Local board
- Dynamic control pedal

Galileo Series 2 can also be used in semi-automatic mode by ultra-smooth-running handwheel.

### GALILEO SEMI

Galileo SEMI Series 2 is a semi-automatic microtome designed to meet the requirements of operators who usually work with manual microtomes.

Galileo SEMI Series 2 offers a safe and comfortable manual cutting experience with reliable results.

### Pro CONFIGURATION

The rotary microtomes Galileo Series 2 with the Pro Configuration, equipped with LCD display with 4.3" touchscreen, allow:

- Memory cutting position of all samples
- Sample identification with Multiblocks ID
- Automation and time saving in managing the samples position near the blade



## Galileo Series 2

- 1 New Local board integrated on the instrument with LCD colour display to manage cutting operations without using the Remote control
- 2 Clamp with rapid fixing support integrated inside the millimetric orientation system with zero point indicator
- 3 Knife holder with lateral movement in 3 positions, finger guard and millimetric position indicator
- 4 Newly-designed guides for knife holder base movement to provide the right fixing in each position
- 5 Ultra-smooth-running handwheel with exclusive electronic locking system in each position equipped with ergonomics and retractable handle
- 6 Backlit panel for an immediate sample detection
- 7 Spaciously designed section waste tray with fixing system
- 8 Roomy shelf equipped with removable tray
- 9 Emergency stop push button

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## FEEL THE DIFFERENCE

### HHS (Helpful Handwheel System)

Innovative system to give a smooth assisted-handwheel running with a complete control. HHS technology enables user comfort with a safe and smooth sectioning improving operator's work conditions.

HHS

### DYNAMIC CONTROL PEDAL

- Revolutionary dynamic foot pedal for the automatic cutting without using the hands. As well as the gas pedal, the dynamic control pedal of Galileo AUTO Series 2 dynamically enables easy, safe and accurate sectioning and trimming speed
- Can be easily set in two different modes (Normal and Safe) and pre-set the desired max cutting speed according to operator's need



### BACKLIT PANEL

- Immediate backlit or overlapping section evaluation
- Check of the right association between cassette and slide



### ORIENTATION

Sample micrometric orientation system with zero point indicator



### CLAMP

Quick release system for all clamping Diapath types:

- Standard
- Super mega
- Universal

CLAMP

### KNIFE HOLDER

- Knife holder with millimetric indicator for the position
- Newly-designed knife holder base to provide max cutting stability
- Guides for knife holder moving with innovative fixing system
- Finger guard and safe removing system in the area of the blade edge

KNIFE  
HOLDER