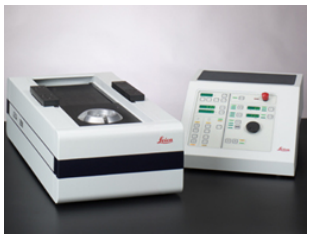
Leica SM2500



Leica SM2500-- Heavy-Duty Sliding Microtome 038336049

Leica SM2500 - Basic Instrument - 100-240 V/50-60 Hz

Note:
The Leica SM2500 can be used for industrial and life science applications:
- Sectioning (Leica SM2500)
- Surface Milling (Leica SM2500 combined with Leica SP2600 - Ultramilling attachment

The Leica SM2500 large scale heavy-duty sectioning system is the standard universal microtome for all hard and large sectioning techniques in industry and life science.
Large specimens up to 25 x 20 cm and hard materials such as methylmetacrylate embedded bones and teeth can be sectioned.
Typical medical research applications include the sectioning of whole organs such as brain or lung embedded in paraffin.
The precise photo position of the Leica SM2500 allows complete photo documentation of all desired levels of the prepared block surface, making it possible to reconstruct a threedimensional image.
Additionally the Leica SM2500 can be fitted with the optional ultramilling attachment Leica SP2600.
Ultramilling is a preparation technique which provides high-quality plane surfaces and sharp edges even with inhomogeneous materials in one sample.

Instrument features:

-Modern heavy-duty microtome for sectioning hard and large specimens
-Basic instrument for the Leica SP2600 ultramilling attachment
-2 integrated section waste trays on the microtome
-2 integrated carrying handles on the microtome
-Carrier for the knife holder or Leica SP2600
-X/Y orientation for base plate
-Separate electronic control panel
-2 motorized coarse feed speeds:
37 mm/sec and 74 mm/sec
1.46 inches/sec and 2.91 inches/sec
-Sectioning and return speed adjustable continuously and independently from each other from: 0.1 mm/sec to 100 mm/sec
-Section thickness adjustment from 0 µm to 1000 µm in 1 µm steps
-Individually adjustable knife holder retraction 0 µm to 1000 µm in 1 µm steps

-Total feed range: 70 mm / 2.76 inches
-Section counter displays number of sections and thickness totalizer, resettable to zero
-3 modes of operation: manual, automatic and program
-3 modes of operation in automatic mode: single, continuous and step
-Freely adjustable cutting window
-Two selectable specimen stop positions (front or rear)
-Two selectable photo stop positions (front or rear) to enable photo documentation of the prepared block surface for 3-dimensional reconstruction.
-Emergency stop
-Foot switch

Technical Data:

Dimensions:
-Microtome (HxWxL): 250 x 390 x 750 mm
-Microtome (HxWxL): 9.84 x 15.35 x 29.53 inches
-Control unit (HxWxL): 220 x 385 x 510 mm
-Control unit (HxWxL): 8.66 x 15.16 x 20.08 inches

Weight:
-Microtome: approx. 75 kg / 165.20 lbs
-Control unit: approx. 23 kg / 50.66 lbs

Required benchtop space for microtome with control unit:
100 x 950 mm / 3.94 x 37.40 inches
Admissions: CE
Operating temperature range: +15 °C up to +40 °C
Relative air humidity: max. 60 %, non-condensing

Standard delivery includes:

1 Basic instrument
1 Separate control unit (0405 42863)
1 Connecting cable for control unit (0405 35685)
1 Foot switch (0505 33888)
1 Set of power cords:
-1 Power cord "D" (0411 13558)
-1 Power cord "USA-C-J" (0411 13559)
-1 Power cord "UK" ST/BU F-5A (0411 27822)
1 Set of adapter cables:
-2 Adapter cables "USA" (0411 36234)
-2 Adpater cables "EU" (0411 36235)
1 Set of replacement fuses:
-2 x T 1.0 A (6943 01001)
-2 x T 6.25A (6943 06251)
-2 x T 10.0 A (6943 10001)
1 Tool set:
-1 Allen key, size 2.5 (0194 13195)
-1 Allen key, size 3.0 (0194 04764)
-1 Allen key, size 4.0 (0194 04782)
-1 Allen key, size 5.0 (0194 04760)
-1 Allen key, size 8.0 (0194 04792)

-1 Torque wrench, size 32 (0383 11934)
-1 Single-head wrench, size 13 (0330 11936)
-1 Screw driver (0170 12988)
-1 Clamping device (0383 32392)
-1 Remote alarm jack 6.3 mm (6844 01005)
-1 Jack connector 3-contact (6844 01008)
1 Brush (0183 04477)
1 Grease gun (0383 11896)
1 Dust cover for microtome (0212 11725)
1 Dust cover for control unit (0212 36428)
1 Rubber mat (0405 36405)
1 Instruction manual for Leica SM2500