

Product specification

Polycut Legacy · Heavy duty sliding microtome

Item No.: 10100004



Specifications

Section thickness range	0 - 999 μm , adjustable in 1- μm -steps
Total horizontal specimen stroke	max. 275 mm
Total vertical knife feed	max. 70 mm
Knife retraction (during specimen return stroke)	0 - 999 μm
Clearance angle adjustment	0° - 17°
Knife declination (with knife holder)	45°
Maximum specimen size (W x D x H)	250 x 200 x 70 mm
Specimen orientation (along x / y axis)	5°
Specimen orientation (rotability, depending on clamp)	approx. +/- 3 and 360°
Sectioning speed	1 - 125 mm/s, adjustable in 1-mm-steps
Return speed	1 - 125 mm/s, adjustable in 1-mm-steps
Manual knife movement	37 mm/s and 74 mm/s
Manual specimen movement	37 mm/s and 74 mm/s
Sectioning speed	to be set manually
Operating temperature range	+10 to +35 °C
Operating humidity	max. rel. 80 % non-condensing
Storage temperature range	+5 to +55 °C
Storage humidity	max. rel. 80 % non-condensing

Electrical connections

Nominal voltage	100 - 240 V
Nominal frequency	50 Hz
Ampacity	4 A at 230 - 240 V / 10 A at 100 - 120 V
Maximum power draw	max. 900 VA

Dimensions and weights

Microtome (W x D x H)	380 x 815 x 380 mm
Control unit (W x D x H)	340 x 290 x 180 mm
Required space for operating the machine (W x D)	1,000 x 950 mm
Microtome & control unit	approx. 100 kg (incl. power cords, connecting cable)
Microtome	approx. 80 kg
Control unit	approx. 10 kg

Standard components

Polycut Legacy basic unit
Polycut Legacy control unit
Touchscreen
Emergency switch
Electronic handwheels / rotary knob for sectioning speed change
Foot switch
1 x mains cable
1 x connector cable
Operation manual
Tools

Please note: Specimen and knife holder systems are not included in the device standard delivery. They have to be ordered separately, in accordance to each user's specific application(s).

Optional accessories

	Item No.
Knife holder system	on demand
Specimen holder system	on demand
Basic plate with square clamp, with lateral movement option	10100005
Basic plate with round clamp and inserts, with lateral movement option	10100006
Basic plate with vise to clamp all metal or plastic tables, with lateral movement option, including V-inserts	10100007
Excenter ring	10100008
Round clamp and inserts, with lateral movement option	10100009
Square clamp, with lateral movement option	10100010
Vise to clamp all metal or plastic tables, with lateral movement option, including V-inserts	10100011
Knife holder KH-S	10100012
Knife holder KH-S 45	10100045
Knife holder KH-P	10100013
Knife holder KH-P 45	10100046
Disposable blade insert for blades up to 22 cm	10100014
Disposable blade insert for blades up to 8 cm	10100015
Disposable TC blade insert for TC blades up to 8 cm	10100016
One pair of declination blocks for a fix declination of 45°	10100017
One pair of on top jaws for the basic clamp with vise clamp	10100018
Paraffin table, metal, 80 x 65 mm	10100019
Paraffin table, metal, 120 x 80 mm	10100020
Paraffin table, metal, 160 x 120 mm	10100021
Paraffin table, metal, 250 x 200 mm	10100022
Exchange foot switch	10100023
Tungsten carbide knife D-edge 16 cm, 40° angle	10100024
Tungsten carbide knife D-edge 16 cm, 50° angle	10100025
Disposable tungsten carbide knife 65 mm for hard sections	10100026
Disposable tungsten carbide knife 80 mm for hard sections	10100027
Tungsten carbide knife D-edge 16 cm, 100% TC, rotary microtome	10100028
Tungsten carbide knife C-edge 16 cm, 100% TC, rotary microtomes	10100029
Standard knife C-edge 220 mm, surgical steel	10100030

Optional accessories

	Item No.
Standard knife C-edge 300 mm, surgical steel	10100031
Standard knife D-edge 160 mm, surgical steel	10100032
Standard knife D-edge 220 mm, surgical steel	10100033
Standard knife D-edge 300 mm, surgical steel	10100034
Liquid nitrogen sectioning unit including customized table or clamp depending on customers' needs with control unit, dewar, special hoses and safety equipment	10100035
Customized cryo unit: Cryo stage 38 x 38 mm with connectors and cables, dual temperature controller, settable cooling temperature, pump & tank unit, floor stand	10100036
Complete special tool set for service in suitcase	10100044
More on request	

Resharpener Services

	Item No.
Tungsten carbide knife D-edge 16 cm, 40° angle	10100037
Tungsten carbide knife D-edge 16 cm, 50° angle	10100038
Tungsten carbide knife D-edge 16 cm, 60° angle	10100039
Tungsten carbide knife D-edge 16 cm, CC-edge grinding	10100040
Tungsten carbide knife D-edge 16 cm, CD-edge grinding	10100041
Tungsten carbide knife D-edge 16 cm, rotary microtome	10100042
Tungsten carbide knife C-edge 16 cm, rotary microtome	10100043

Comments / additional information:

In case of further questions, please feel free to contact us at every time.

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