

# Product specification

## CUT 6062 · Fully-automatic precision microtome

Item No.: 10080001



### Specifications

Nominal supply voltage	100 - 240 V AC +/- 10%
Nominal frequency	50/60 Hz
Power draw	120 VA
Protective class	(1) I
Power fuses	2 x T 1,6 A
Pollution degree	(1) 2
Oversvoltage installation category	II
Maximum heat emission	120 J / s
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
Section thickness setting range	0.5 - 100 µm
Section thickness selection	0.5 - 2 µm in 0.5-µm steps 2 - 20 µm in 1-µm steps 20 - 50 µm in 2-µm steps 50 - 100 µm in 5-µm steps

## Specifications

	0.5 - 750 µm
	0.5 - 2 µm in 0.5-µm steps
	2 - 20 µm in 1-µm steps
	20 - 50 µm in 2-µm steps
	50 - 150 µm in 5-µm steps
	150 - 750 µm in 10-µm steps
Trimming thickness	
Specimen feed	28 mm (step motor)
Specimen feed speed SLOW	75 / 150 / 300 / 600 µm / s
Specimen feed speed	3,000 µm / s
Specimen feed memory	2 positions programmable
Vertical specimen stroke	72 mm
Maximum specimen size	50 x 50 mm
Knife holder - north-south axis	35 mm
Specimen retraction	0 - 200 µm, selectable
Operation modes	Motorized: continuous, program, single stroke, step, window   Manual: standard and rocking mode
Sectioning speed	3 - 450 mm / s, selectable via slider
Specimen orientation, horizontal	8°
Specimen orientation, vertical	8°
Specimen orientation, z-axis	360°
Information display	Number of sections / section-sum and remaining travel distance
Dimensions [W x D x H]	520 x 600 x 325 mm
Weight (w/o accessories)	33 kg

(1) According to IEC 1010, EN 61010

## Standard components

Specimen orientation	
Universal cassette clamp, orientable (alternatively: standard specimen clamp, orientable)	
Disposable blade holder (alternatively: standard knife holder)	
Section waste tray	
Disposable blades, low profile (1 box, 50 pcs.)	
Foot switch for motor drive	

## Standard components

Dust cover

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Mains cable

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Manual

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## Optional accessories

	<b>Item No.</b>
Aquatec system	10090056
MTR bench top quick freezing unit	10110000
Magnifier with illumination (dimmmable)	10090060
External control panel CUT 6062	10090051
TC65 disposable blade holder (for tungsten carbide blades)	10090041
Tungsten carbide blade (1 pcs.)	28406000
Disposable blades (cf. consumables)	
Glass knife holder (for triangle glass knives)	10090014
Segment arc incl. universal sample holder (for glass knife holder application)	10090015
Super Mega cassette clamp, orientable	10090027
Super Mega cassette clamp, fixed	10090021
Super Mega cassette clamp with clamping lever and level, orientable	10090070
Standard clamp, fixed	10090026
Standard specimen clamp, orientable	10090006
Standard specimen clamp, fixed	10090007
Foil clamp (use in standard specimen clamp)	10090025
Standard knife holder	10090008
Knife holder basis unit	10090011
Prism (set)	10090017
Round specimen holders (different diameters)	on demand
Microtome knife profile: C or D, length: 10 to 40 cm	on demand
2nd handwheel lock	10090024
More on request	

## Consumables

	Item No.
Disposable blades (plasma coated) Low profile plasma LPS for soft specimens, 50 pcs. / box	28407005
Disposable blades (plasma coated) Low profile plasma LPH for hard specimens, 50 pcs. / box	28407004
Disposable blades (plasma coated) High profile plasma HPS for soft specimens, 50 pcs. / box	28407007

## Comments / additional information:

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

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