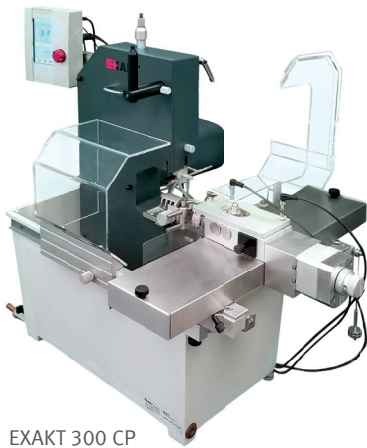




DIAMOND BAND SAWS EXAKT 300/310 CP



EXAKT 300 CP



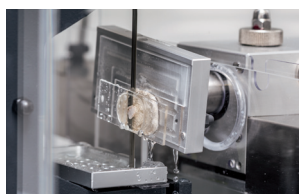
EXAKT 310

HIGHLIGHTS

- › Coplanar in μ tolerance
- › No cutting risk for user
- › Outstanding surface quality
- › Minimal thermal load during cutting process
- › Integrated water cooling (circular or flow mode) and splash guard for clean working environment
- › Fits every laboratory space due to compact size and space-saving design
- › User-friendly small control unit with colour display
- › Automatic sample positioning in CL Mode
- › Easy adjustment of rotation angle to 7,5°, 15°, 185° in CP Mode

The high-precision diamond band saws EXAKT 300 and 310 are specifically designed to separate highly sensitive tissue and tissue combinations for histological analysis of muscle tissue, bones and especially bones with implants or screws. Fresh and embedded samples are precisely processed. Particularly the interface between different tissue structures can be maintained perfectly due to the gentle cutting process. Very smooth, coplanar surfaces and the ability to cut sections down to 100 μ m thickness allow for a high number of sub-samples and minimum cutting loss. In addition, a variety of different holding and clamp devices are available to process a high variety of sample sizes and shapes.

Easily set all your required parameters using the efficient control unit with a 5" colour display and a user-friendly navigation. Just position your sample in 5 μ m steps automatically in CL Mode. Or, set the best rotation angle to have your sample oscillate continuously using the touchpad display in CP Mode. The CP process offers even better roughness values and minimizes cutting times by ten.



TECHNICAL SPECIFICATIONS

DIAMAND BAND SAW	EXAKT 300 CP	EXAKT 310 CP
Dimensions		
Installation area (W x D x H mm)	1000 x 800 x 850	1000 x 1200 x 1350
Height (mm)	800	1290
Operating height (mm)	350	570
approx. weight (kg)	50	160
Speed cutting band (m/min)	10–560	10–800
Dimensions sample porcessing		
max. cutting height (mm)	100	205
max. cutting width (mm)	70	165
Tempering		
Water connection – Inlet (Ø mm)	6	6
Water connection – Outlet (Ø mm)	14	28
max. water reservoir (l)	approx. 5	approx. 10
Zirkulationpump	yes	yes
max. ambiente temperature (°C)	40	40
Electrical connection machine		
Variant 1 Voltage (V)	1 x 220–240	1 x 220–240
Frequency (Hz)	50–60	50–60
Power (W)	120	220
Variant 2 Voltage (V)	1 x 100–110	1 x 100–110
Frequency (Hz)	50–60	50–60
Power (W)	120	220
Power supply control unit Version 1 & 2		
Voltage (V)	1 x 90–260	1 x 90–260
Frequency (Hz)	1 x 50–60	1 x 50–60

