

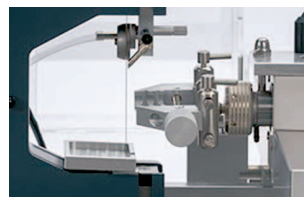
## DIAMOND BAND SAW EXAKT 300 & 310 / CL & CP



The high-precision diamond band saws EXAKT 300 and 310 are ideally suited for the separation of highly sensitive tissue and tissue combinations for histological analysis of muscle tissue, bones and especially bones with implants or screws. Fresh as well as embedded samples can be precisely processed. In particular, due to the gentle cutting process, the interface between different tissue structures can be maintained perfectly. Very smooth, coplanar surfaces and the ability to cut sections down to 100  $\mu\text{m}$  thickness allow a high number of sub-samples and minimum cutting loss. Furthermore, a number different holding and clamp devices are available. This allows the processing of a high variety of sample sizes and shapes. The EXAKT Diamond Band Saws are optionally available in the CL (Contact Line) and CP (Contact Point) version.

### HIGHLIGHTS

- › Coplanar in  $\mu$  tolerance
- › Outstanding surface quality
- › Very low thermal load during cutting process
- › Integrated liquid cooling in circulation- or flow mode
- › Integrated band tension compensation
- › Splash guard for clean working environment
- › Very precise sample adjustment in microns



# TECHNICAL SPECIFICATIONS

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

