

DIAMOND BAND SAW EXAKT 310 & 311 CL & CP INDUSTRY



EXAKT 311 CL



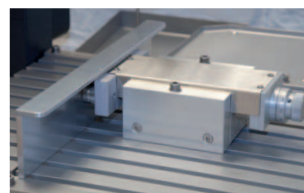
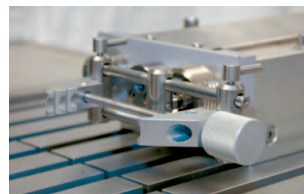
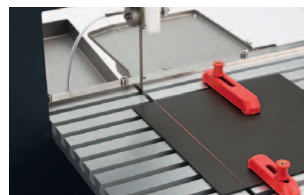
EXAKT 310 CP

The high-precision EXAKT 310 & 311 Diamond Band Saws are excellently suitable for cutting a wide variety of different materials and material combinations. This results in smooth, coplanar cuts which, depending on the material and the grit of the diamond band used, fulfill the most stringent roughness value requirements. The EXAKT 310 is supplied with a parallel guide and tailstock, and the EXAKT 311 also features a large workbench. Samples of different geometries can be secured directly to the work plate, or the tailstock can be mounted, which can also be outfitted with a wide variety of different sample holders. An available option for the tailstock is CP mode, i.e. the sample can continuously oscillate in different deflections. This process achieves even better roughness values and enables up to 10 times faster cutting.



HIGHLIGHTS

- › No risk of the operator being cut
- › Can be used for a wide variety of different materials and composites
- › Achieve excellent roughness values in a single work step
- › Very little cutting loss
- › Minimal thermal loading of the sample
- › Coolant/lubricant can be fine-tuned
- › Available with or without workbench (311 vs. 310)



TECHNICAL DATA

DIAMOND BAND SAW	EXAKT 310 CL & CP	EXAKT 311 CL & CP
Dimensions		
Footprint (W x D x H mm)	1,000 x 1,200 x 1,350	1,100 x 1,400 x 1,350
Height (mm)	1,290	1,290
Working height (mm)	570	590
Workbench (mm)	–	400 x 400
Base unit weight (kg)	approx. 160	approx. 180
Cutting band speed (m/min)	10–600	10–600
Sample processing dimensions		
Max. cutting height (mm)	205	160
Max. cutting width (mm)	165	165
Coolant/lubricant supply		
Flow water connection (dia. mm)	6	6
Return water connection (dia. mm)	28	28
Max. water fill (l)	ca. 10	ca. 10
Circulating pump	yes	yes
Max. ambient temperature (°C)	40	40
Electrical connection		
Version 1: Voltage (V)	1 x 220–240	1 x 220–240
Frequency (Hz)	50–60	50–60
Output (W)	220	220
Version 2: Voltage (V)	1 x 100–110	1 x 100–110
Frequency (Hz)	50–60	50–60
Output (W)	220	220

