

DIAMOND BAND SAW EXAKT 300 CL & CP INDUSTRY



EXAKT 300 CP

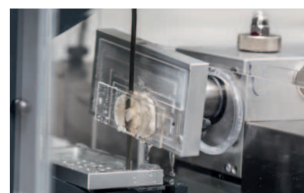
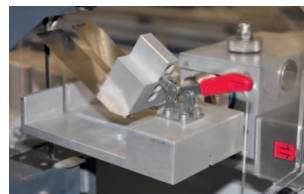


EXAKT 300 CL

The high-precision EXAKT 300 Diamond Band Saw is 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 300 is supplied with a parallel guide and tailstock and is ideal for use in laboratories thanks to its compact size. The tailstock can be outfitted with a wide variety of different sample holders in such a way that samples of many different shapes and compositions can be attached securely. 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
- › Compact size, space-saving design



TECHNICAL DATA

DIAMOND BAND SAW

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Dimensions

Footprint (W x D x H mm)	1,000 x 800 x 850
Height (mm)	800
Working height (mm)	350
Base unit weight (kg)	approx. 50
Cutting band speed (m/min)	10–560

Sample processing dimensions

Max. cutting height (mm)	100
Max. cutting width (mm)	70

Coolant/lubricant supply

Flow water connection (dia. mm)	6
Return water connection (dia. mm)	14
Max. water fill (l) approx.	5
Circulating pump	yes
Max. ambient temperature (°C)	40

Electrical connection

Version 1: Voltage (V)	1 x 220–240
Frequency (Hz)	50–60
Output (W)	120

Version 2: Voltage (V)	1 x 100–110
Frequency (Hz)	50–60
Output (W)	120

