

PCB Separator MAESTRO 4S

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Stressless separating of pre-scored PCBs

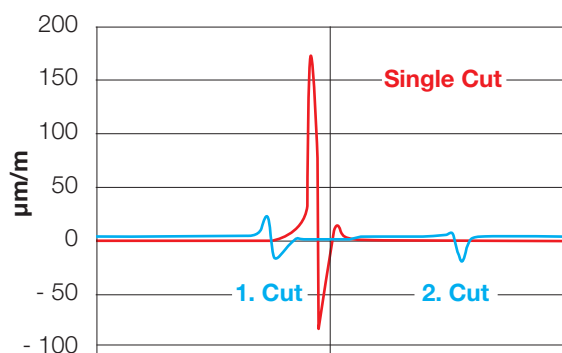
The MAESTRO 4S fulfills your expectations to variety for the following requirements.

- Delicate components are mounted directly next to the pre-scored groove.
- You separate PCBs with a thickness up to 3.2 mm.
- Aluminum PCBs have to be separated.

The PCB separator MAESTRO 4S traverses the pre-scored groove in up to 5 steps. The blade distance is simultaneously reduced in programmable steps from 0.6 mm to 0.05 mm. You can save up to eight programs via operation panel.

The repeated traverse minimizes tensile and compression strength (see diagram) and thereby the danger to damage delicate components next to the pre-scored groove. This procedure grants separating of thick FR4 or aluminum PCBs without chipping.

Part no.	Product
8936790	PCB Separator MAESTRO 4S/450
8936745	PCB Separator MAESTRO 4S/600



Material: FR4 1.5 mm, remain thickness about 0.6 mm

Technical Data	
Separation type	Component side: circular blade Soldering side: linear blade
Operation	motorized
Separation speed	300/500 mm/s switchable
PCB	
Material	FR4, Aluminum
Thickness	0.8–3.2 mm
Scribing depth	min. 0.25 mm
Residual thickness	max. 1.2 mm
Height of components	Component side/Soldering side up to 34 mm
Extension of the outer diameter after separation	up to 0.3 mm
Cutting length	MAESTRO 4S/450 up to 450 mm MAESTRO 4S/600 up to 600 mm
Depth storage table	95 mm
Operation panel functions	
Home	Request drive to starting position, Acknowledge
Cutting speed	H (High): 500 mm/s L (Low): 300 mm/s
Program	Program 1 res. for basic setting; Program 2 to 9 adjustable
Step (Cutting steps)	1 – 5
Blade distance	0.6 mm to 0.05 mm
Key switch button	Release of programming
Mileage (Kilometer counter)	0.001 to 99.99 km
DEL	Reset of the kilometer counter
Operation	
Power switch	ON/OFF
Foot switch	START Separation
Safety switch	Emergency stop
Operating data	
Operating voltage	100–240 V~ 50/60 Hz, PFC
Temperature/humidity	
Operation	+5–40°C/10–85% not condensing
Storage	0–60°C/20–80% not condensing
Transport	-25–60°C/20–80% not condensing
Approvals	CE, FCC class A
Emission sound pressure level LpA	< 70 dB (A)
Dimensions	
Height/Depth	434/425 mm
Width MAESTRO 4S/450	702 mm
Width MAESTRO 4S/600	852 mm
Weight	
MAESTRO 4S/450	38 kg
MAESTRO 4S/600	46 kg

Already an increase of 0.1 mm of the factory set blade distance halves the tensile and compression stress. An increase of 0.2 mm reduces the stress tenfold (see diagram).

All specifications about delivery, design and technical data are given to the best of our current knowledge and are subject to change without prior notice. **For more information please refer to www.cab.de**