PCB separator MAESTRO 4S

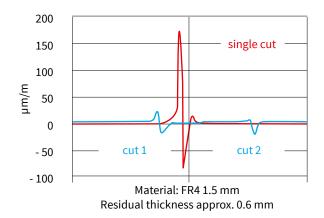


MAESTRO 4S separates both small and large PCBs quickly and economically without stress.

Key features:

- Blade distance to be entered on the operation panel is set motor-driven.
- Up to nine programs to be stored
- Separation length to be continuously adjusted via limit switches
- In terms of a preventive blade maintenance, the cutting performance is displayed.

By traversing the milled groove once, tensile and compressive stresses can cause damage to sensitive components located close to the groove. A second traverse and simultaneous readjustment of the blade distance already reduces stresses considerably. The quality of the assembled PCBs improves significantly.



Dial gauge

In order to separate without stress and to achieve a long service life, the circular and linear blades have to be guided along the entire separation. The dial gauge setting and regularly checking the parallelism is assembled to the carriage.



Separation method Component side Circular blade Solder side Linear blade Operation Separation speed 300, 500 mm/s, to be switched Materials FR4, aluminum Component height Component/solder side up to 34 mm Separation length Up to 450 mm Up to 600 mm Support table depth Programming Start Traverse to initial position Programs Separation steps 1-5 Blade distance 0.9 - 0.05 mm Key button Unlock program selection Performance display Up to 99 km DEL Step reset Power switch ON/OFF Foot switch START separation Safety switch E-stop Power supply Emmission Sound pressure level Temperature / Operation humidity Stock O-60°C / 20 - 80 % Width x Height x Depth Value in the automator of the control of the sold of the control of the		40/400	40/000	
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Width x Height x Depth 702 x 434 x 425 mm 852 x 434 x 425 mm Weight 38 kg 46 kg	•	- 25 - 60°C / 20 - 80 %		
Weight 38 kg 46 kg		702 x 434 x 425 mm	852 x 434 x 425 mm	
	<u> </u>	38 kg	46 kg	
Approvais (LE, FCC Class A	Approvals	CE, FCC Class A		

	Part no.	Product
	8936800 8936800.520 8936745 8936745.520	PCB separator MAESTRO 4S/450 PCB separator MAESTRO 4S/450/alu PCB separator MAESTRO 4S/600 PCB separator MAESTRO 4S/600/alu
	Scope of delivery	PCB separator Power cable Type E+F, length 1.8 m Foot switch Allen key 2 mm Support table including assembly kit Dial gauge Operator's manual DE/EN
Pos.	Part no.	Wear parts
1 2 3 4	8930509.001 8936615.001 8936614.001 8933394.001 8933682.001	Circular blade Blade protection Blade protection Linear blade 450 Linear blade 600





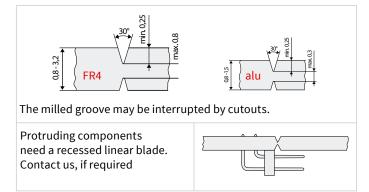
PCB separator MAESTRO 4S

Separating aluminum

To separate aluminum with MAESTRO 4S, special adjustment is needed for the standard circular blade. For information see the operator's manual

Outside dimensions increased after separation: typically 0.2 mm

Aluminum PCBs are manufactured in various alloys. Sample PCBs added to a request help with adjusting the circular blade and optimizing the cutting geometry.



Accessory



Conveyor belt

to deposit separated PCBs individually and further transport them aside. The speed adapts to the size of the PCB. Incoming PCBs are detected by a light barrier and the belt stops.

Part no.	Product
8931240	Conveyor belt 450
Lieferumfang	Power cable Type E+F, length 1.8 m Assembly kit Operator's manual DE/EN

Technical data	450	600
Conveyor belt material	antistatic	
Direction of movement	to the right	
Belt speed	5, 6, 7, 8, 9 m/min	
Light barrier	to be activated to stop the belt moving	
Vertical distance	5 - 17 mm	
to the linear blade		
PCB depth	up to 200 mm	
Belt width	170 mm	
Length	1,200 mm	1,350 mm
Power supply	100 - 240 VAC, 50/60 Hz	
Temperature / Operation	+ 10 - 35°C / 10 - 85 %	
humidity Stock	0 - 60°C / 20 - 80 %	
not condensing Transport	– 25 - 60°C / 20 - 80 %	
Weight	14 kg	
Approvals	CE, FCC Class A	