PCB separator MAESTRO 4S

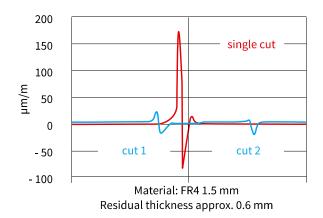


MAESTRO 4S separates both small and large PCBs quickly and economically without stress.

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.



Technical data	4S/450	4S/600		
Separation method	Component side Circular blade			
		near blade		
Operation	path-optimized, motor-driven			
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	200 mm			
Programming				
Start	Traverse to initial position			
Programs	9			
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	100-240 VAC, 50/60 Hz			
Emmission	LpA < 70 dB (A)			
sound pressure level				
Temperature / Operation	+ 10 - 35°C / 10 - 85 %			
humidity Stock	0 - 60°C / 20 - 80 %			
not condensing Transport	– 25 - 60°C / 20 - 80 %			
Width x Height x Depth	702 x 434 x 425 mm	852 x 434 x 425 mm		
Weight	38 kg	46 kg		
Approvals	CE, FCC Class A			

	Part no.	Product	
8936800.520 R		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	





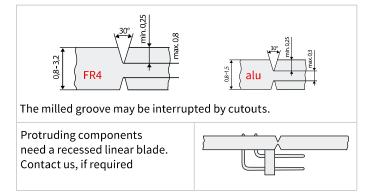
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Separating aluminum

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	

450	600
antistatic	
to the right	
5, 6, 7, 8, 9 m/min	
to be activated to stop the belt moving	
5 - 17 mm	
up to 200 mm	
170 mm	
1,200 mm	1,350 mm
100 - 240 VAC, 50/60 Hz	
+ 10 - 35°C / 10 - 85 %	
0 - 60°C / 20 - 80 %	
– 25 - 60°C / 20 - 80 %	
14 kg	
CE, FCC Class A	
	antistatic to the right 5, 6, 7, 8, 9 m/min to be activated to s 5 - 17 mm up to 200 mm 170 mm 1,200 mm 100 - 240 VAC, 50/60 + 10 - 35°C / 10 - 85 0 - 60°C / 20 - 80 - 25 - 60°C / 20 - 80 14 kg