PCB separator MAESTRO 5L



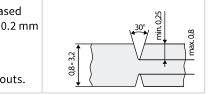
It can be used economically when large quantities of milled PCBs have to be separated.

Up to 15 PCBs arranged next to one another can be separated simultaneously. 310 mm is the maximum passage width. The distances and the number of circular blades are adapted to the PCB. Solid and precisely manufactured blade shafts ensure smooth PCB separation. The hardened and ground and titaniumcoated circular blades achieve a high running performance.

PCBs are inserted to the guide manually or are fed automatically by a loader resp. an external conveyor belt. When separated, the PCBs are deposited on the built-in conveyor belt.

A SMEMA interface provided, installation in an assembly line is possible (for information see the operator's manual). With the help of a base frame vertically adjustable, MAESTRO 5L can be adapted to any application. A possibility to connect an extraction and filter device is in preparation.

Outside dimensions increased after separation: typically 0.2 mm	30° viin 10.25 viin 0.25 v
The milled groove may be interrupted by cutouts.	08-32



Technical data			
Separation method	d	Component side Circular blade Solder side Circular blade	
Operation		motor-driven	
Separation speed		100 - 220 mm/s to be set in ten steps	
PCB length light barrier activated light barrier deactivated		100 - 570 mm up to 2,000 mm	
PCB width		up to 310 mm	
Residual off-cut width		at least 3 mm	
Component height		Component side up to 30 mm Solder side up to 10 mm	
Number of circular blades		up to 16 per blade shaft	
Programming			
Display		Separation speedSeparation lengthresp. number of PCBs	
Control buttons		- Start, Stop, Reverse	
Programming button		- Separation speed setting	
Monitoring		 Detection of separation length Accumulation before / behind the blades Conveyor belt finally stopping 	
Interfaces		- external start / stop - SMEMA (round, 14 pins)	
Power supply		230/115 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 %	
Width x Height x Depth		440 x 750 - 1,000 x 1,100 mm	
Weight		63 kg	
Approvals		CE, FCC Class A	

Part no.	Product
8934520	PCB separator MAESTRO 5L neither circular blade or protective cover
	The blade shaft has to be ordered separately. It is assembled to the device and adjusted ex factory by the manufacturer.
893xxxx 893xxxx	Blade shaft assembled Device-specific parts
Scope of delivery	PCB separator, base frame Power cable Type E+F, length 1.8 m Service tool Warning light Auxiliary device for blade shaft Rest, entirely End piece for extraction Operator's manual DE/EN
Part no.	Wear parts
8934803.001	Circular blade, width 8 mm
893xxxx.001	Circular blade, customer-specific

