

# 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 titanium-coated 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	
The milled groove may be interrupted by cutouts.	



Technical data	
Separation method	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 speed - Separation length resp. 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 / humidity not condensing	Operation + 10 - 35°C / 10 - 85 % Stock 0 - 60°C / 20 - 80 % 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
<b>8934520</b>	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.
<b>893xxxx</b> <b>893xxxx</b>	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
<b>8934803.001</b>	Circular blade, width 8 mm
<b>893xxxx.001</b>	Circular blade, customer-specific