

PCB Separator MAESTRO 5L



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The MAESTRO 5L can be used cost-effectively if large numbers of pre-scored PCBs have to be separated.

It can simultaneously separate up to ten PCBs positioned side by side. The maximum passage width is 310 mm. The distances and number of circular blades are adjusted to match the PCB.

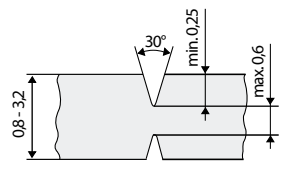
The blade shafts are stable and precisely machined to ensure clean separation of the PCBs. The circular blades are hardened, ground and titanium coated for a long service life.

The PCBs are inserted into the guide by hand, or automatically by a loading station or an external conveyer belt. After separation, the PCBs are placed on the installed conveyer belt. The machine can be installed in an assembly line in conjunction with a SMEMA interface.

The height of the base frame of the MAESTRO 5L can be adjusted optimally for each application. A connection is provided for an extraction and filtering system.


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Technical Data	
Separation type	Component side circular blade Solder side circular blade
Operation	with motorized
Separation speed	100 - 220 mm/s in 10 steps
Length of PCB panel with light barrier activated with light barrier de-activated	100 - 570 mm > 2000 mm
Width of PCB panels	max. 310 mm
Width of cut	min. 3 mm
Height of components	Component side max. 30 mm Solder side max. 10 mm
Number of circular blades	max. 11 on each blade shaft
Width of PCBs	up to 300 mm
Display	- Separation speed - Separated length or numbers of PCB panels
Keys	- Start, stop, reverse - Setting of separated speed
Monitoring	- Detection of separation length - Accumulation in front of and behind the blades - Stop the end of the conveyor belt

Interfaces	- Remote start/stop - SMEMA (round 14 pins)
Voltage	240 VAC, 50 Hz 110 VAC, 60 Hz
Temperature/ Humidity	Operation + 5 - 40°C / 10 - 85% Storage + 0 - 60°C / 20 - 80%
not condensing	Transport - 25 - 60°C / 20 - 80%
Weight	63 kg
Dimensions	height 750 - 1000 mm width 440 mm depth 1100 mm
Approvals	CE,FCC class A
Increase in external dimensions after separation.	typical 0.2 mm
The pre-scored groove can be interrupted by cutouts.	

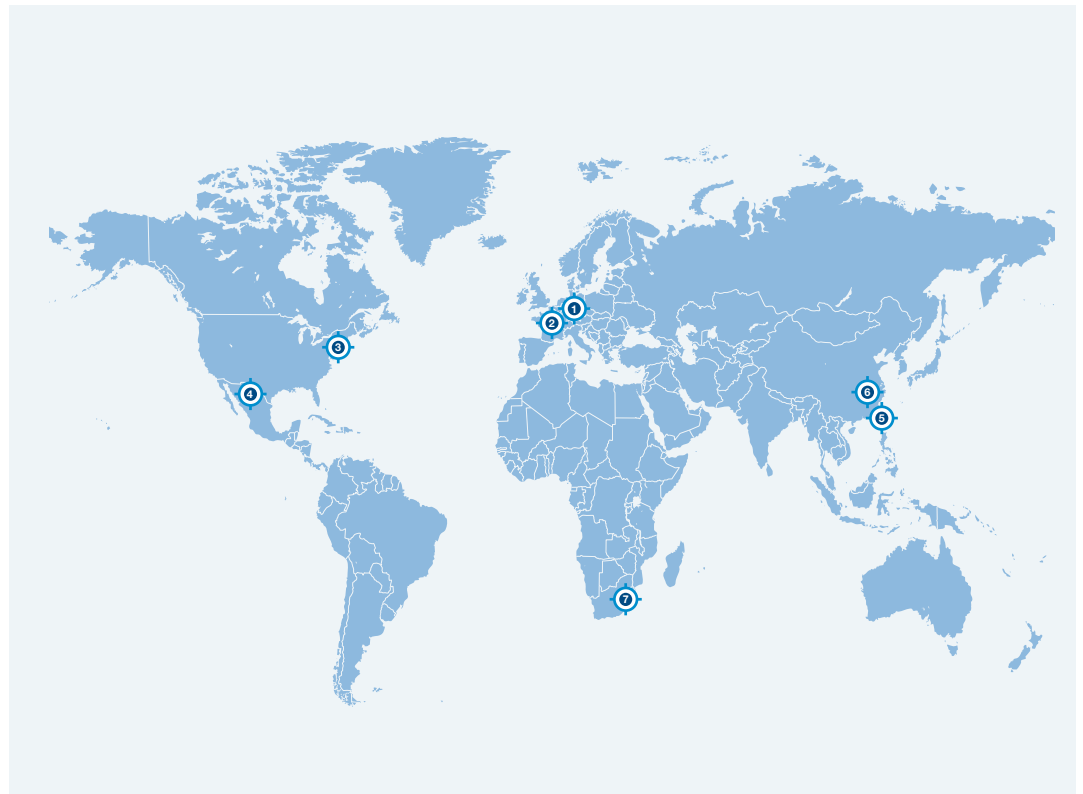
Part No.	Description
8934520	PCB Separator MAESTRO 5L without circular blade and protective cover The desired circular blade has to be ordered separately. It is mounted and adjusted in the device in the factory.
893xxxx	Blade shaft fitted
893xxxx	Specific cover parts
Content of delivery	PCB Separator, with base Power cable, type E+F, length 1,8 m Service tool Indicator light Blade shaft auxiliary device Stacker, complete End portion of aspiration Operation manual de/en
Part No.	Spare parts
8934803.001	Circular blade width 8 mm



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