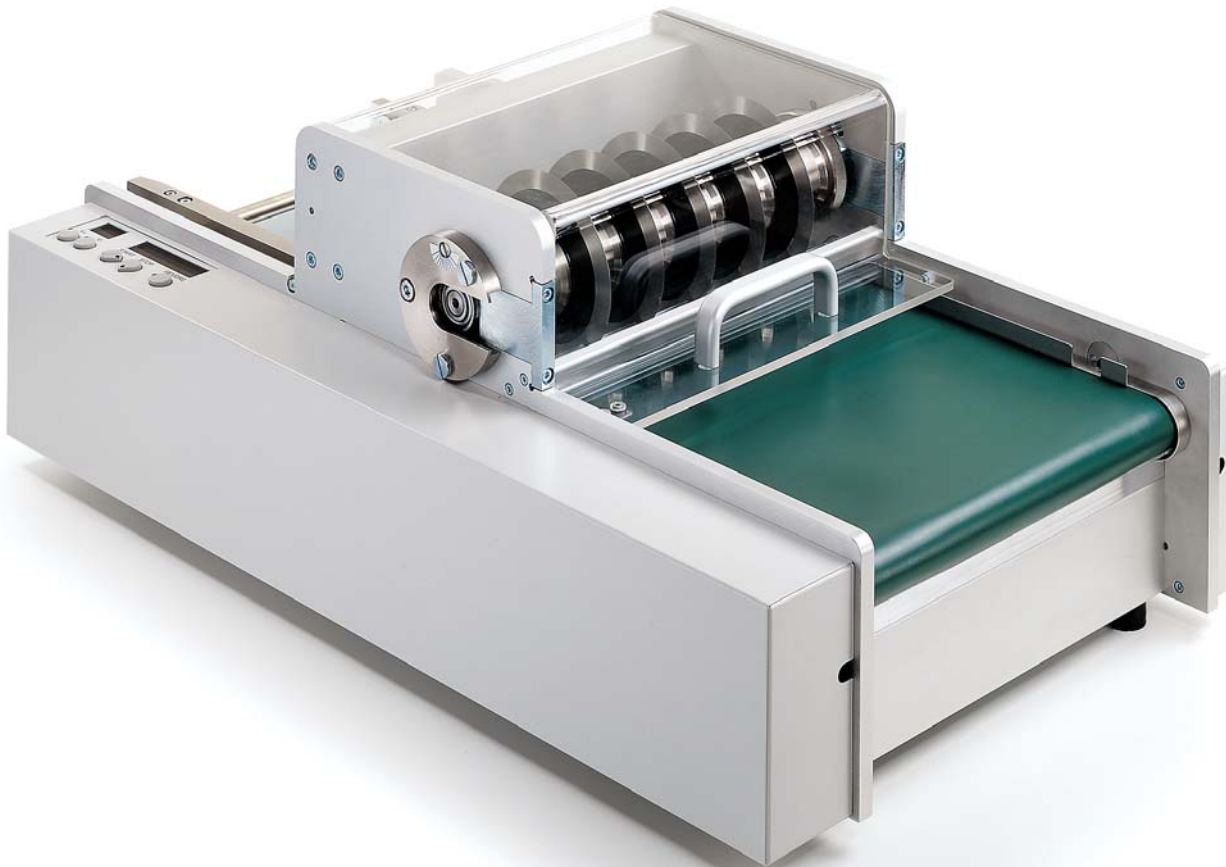


PCB Separator
MAESTRO 5M



MAESTRO 5M is used most economically whenever large numbers of pre-scored PCBs need to be separated.

The well-arranged control panel ensures easy operation.

PCB panels with a maximum width of 310 mm can be separated by up to 10 circular blades simultaneously. Sensors are used to monitor the separation process.

The PCBs are placed either by hand or they are fed automatically by a loading station. The machine can also be installed in an assembly line. The SMEMA interface is the standard connection for this use.

The PCB Separator MAESTRO 5M can be adjusted to your PCB and your individual requirements. For PCB panel widths larger than 310 mm on request.

Recommended pre-scored grooves

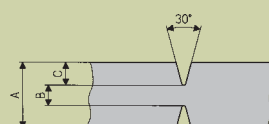
The pre-scored grooves can be interrupted by cutouts with a length of up to approx. 5 mm.

Dust Extraction (Option)

The Dust Extractor is directly turned on the PCB separator MAESTRO 5M.

Further information on page 10.

PCB panels	
PCB thickness A	1.0 - 3.2 mm
Remaining PCB thickness B	typical 1/3 of Dim. A min. 0.3 mm, max. 0.6 mm
Depth of scoring C	min. 0.3 mm
Increase in external dimensions after separation	0.1 - 0.2 mm





The machine is supplied with a heightadjustable base. In this way it can be adapted optimally to every requirement.



MAESTRO 5M Customer-specific application

The separated PCBs are transported by the conveyor belt for further treatment. Workplaces are arranged on the right and on the left of the belt. The side strips drop down into a collecting box.

Technical Data		
Separation type	Component side	circular blade
	Solder side	circular blade
Operation	motorized	
Separation speed	100 - 220 mm/s in 10 steps	
Length of PCB panel with light barrier activated	100 - 270 mm	
with light barrier de-activated	> 100 mm	
Width of PCB panels	max. 310 mm	
Width off-cut	min. 3 mm	
Height of components	Component side max. 30 mm Solder side max. 10 mm	
Number of circular blades	max. 10	
Width of PCBs	10 - 290 mm	
Display	- Separation speed - Separated length or numbers of PCB panels	
Keys	- Start, stop, reverse - Setting of separated speed	
Sensors	- 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)	
Mains voltage	Dual voltage 230 / 115 V~ 50 - 60 Hz	
Operating temperature	10 - 30° C	
Storage/transport temperature	-20 - 50° C	
Humidity, non-condensing	10 - 85%	
Weight	63 kg	
Dimensions with base	height	750 - 1000 mm
	width	440 mm
	dept	800 mm
The machines comply with the safety regulations of the EC directives. Subject to technical alterations		