

PCB Separator
MAESTRO 4M



MAESTRO 4M separates both small and large PCBs fast and economically.
To optimize operation, the separation length can be programmed with the control keys.

Foto:
 MAESTRO 4M clean with dust extraction and conveyor belt

Safe Operation

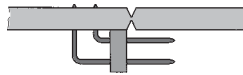
The PCB is placed with its pre-scored groove onto the linear blade. When the foot switch is pressed, the blade carrier with the circular blade moves across the PCB, separating it into individual units.

The clearance between the upper guide and the linear blade is adjustable to ensure that the PCB is only separated in the pre-scored groove.

Recommended pre-scored grooves

The pre-scored grooves can be interrupted by any number of cutouts.

If components project above the groove, the linear blade needs to be cut out. In such a case, contact us.



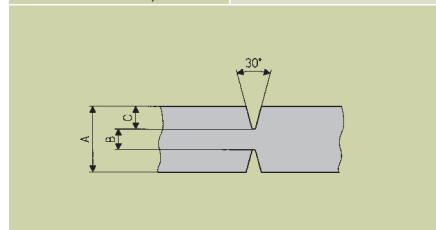
Dust Extraction

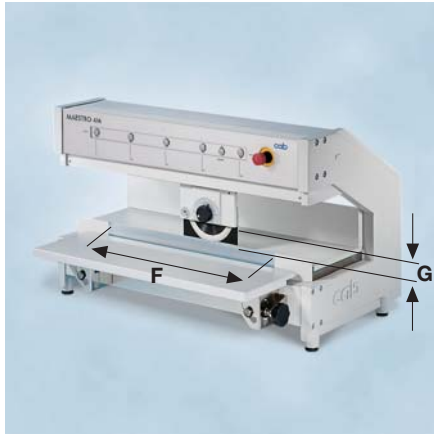
The Dust Extractor is directly turned on the PCB separator MAESTRO 4M/clean. The extraction volume can be set on the machine.

Further information on page 10.



PCB panels	
PCB thickness A	0.8 - 3.2 mm
Remaining PCB thickness B	typical 1/3 of Dim. A max. 0.8 mm
Depth of scoring C	min. 0.25 mm
Increase in external dimensions after separation	0.1 - 0.2 mm





PCB Separator MAESTRO 4M

Component height at the edge on the PCB max. 40 mm

The table can be continuously adjusted with the rotary knob whenever required while the rest can be adjusted in three steps to the most suitable working position.

The slit between the linear blade and the rest can be adjusted to ensure that the side strips fall through are sorted out.

PCB Separator MAESTRO 4M/70

Component height at the edge on the PCB max. 70 mm

Conveyor belt for higher performance

The PCBs are transported out of the machine after separation.

The light barrier at the end of the conveyor belt can stop the arriving PCBs.

PCB Separator	with dust extraction	Conveyor belt	Length of device	Height of device	F	G	J	Weight in kg
MAESTRO 4M/450	-	<input type="checkbox"/>	702	434	450	40	34	38
MAESTRO 4M/450 clean	<input checked="" type="checkbox"/>	<input type="checkbox"/>	702	434	450	40	34	39
MAESTRO 4M/70	-	<input type="checkbox"/>	702	492	370	70	64	40

PCB Separator MAESTRO 4M and conveyor belt for larger PCBs on request. Standard Option

Component height

Table	H
Conveyor belt	H

Technical Data PCB Separator

Separation type	Component side circular blade Solder side linear blade
Operation	Optimized motor driven
Separation speed	300/500 mm/s
Mains voltage	Dual voltage 230/115 V~ 50 - 60 Hz
Earthing stud	Ø 10 mm
Operating temperature	15 - 25° C
Storage/transport temperature	-20 - 50° C
Humidity, non-condensing	10 - 85%

Technical Data Conveyor Belt

Material of conveyor belt	Antistatic
Direction of belt travel	To the right
Belt speed	5/6/7/8/9 m/min
Light barrier	Can be activated for belt stoppage
Width of table	540 mm
Weight	14 kg

The machines comply with the safety regulations of the EC directives.
Subject to technical alterations