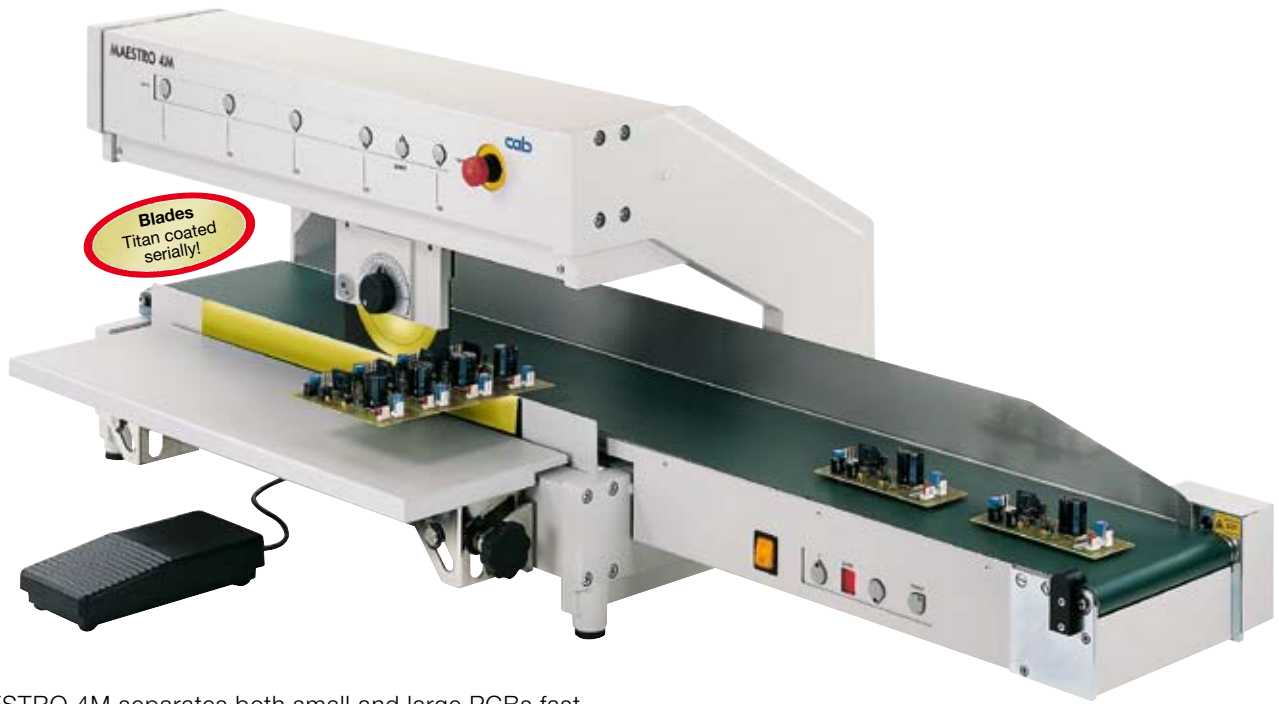


6 PCB Separator MAESTRO 4M



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

Strain of components

Frequently for critical components an upper limit of tensile stress will be determined. Please ask us regarding possibilities to reduce tensile stress of components.

Safe Operation

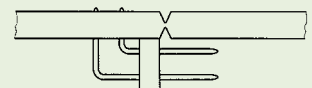
The PCB is placed with its pre-scored groove onto the linear blade. When the foot switch is pressed, the blade carrier with the circular blade moves across the PCB, separating it into individual units.

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. 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.

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

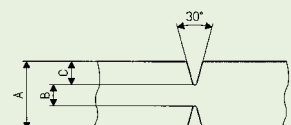


If components project above the groove, the linear blade needs to be cut out. In such a case, contact us.



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

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





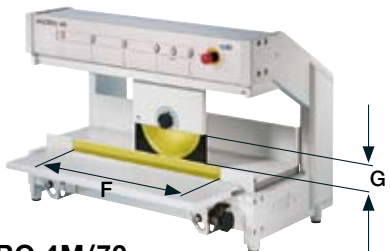
MAESTRO 4M/450
MAESTRO 4M/450 clean

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



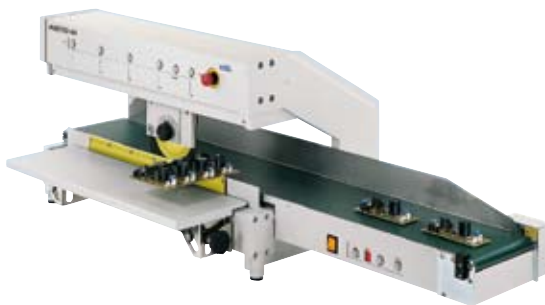
Dust Extraction

The extraction volume can be adjusted on the machine.
More information: see page 10.



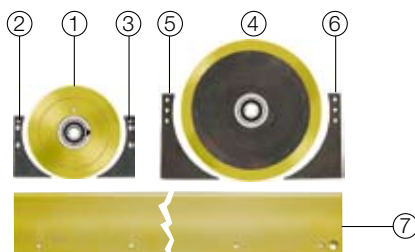
MAESTRO 4M/70
MAESTRO 4M/70/520

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.



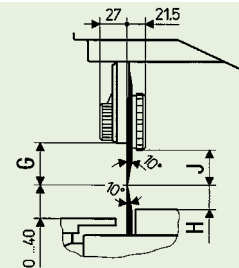
Technical Data PCB Separator

Separation type	Component side	circular blade
	Solder side	linear blade
Operation	Optimized motor driven	
Separation speed	300/500 mm/s	
Mains voltage	230/115 V~ 50 - 60 Hz	
Earthing stud	Ø 10 mm	
Operating temperature	10 - 35° C	
Storage/transport temp.	-20 - 50° C	
Humidity, non-condensing	10 - 85%	
Safety regulations	CE, FCC class 1	

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
Safety regulations	CE, FCC class 1
Width of table	540 mm
Weight	14 kg

Maximum height of components next to the groove



H

Table	5 - 35
Conveyor belt	5 - 17

Part No.	Descriptions	Length of device	Height of device	Separation length	Component height		Weight in kg
					before the groove	behind the groove	
		F	G	J			
8933955	MAESTRO 4M/450	702	434	450	40	34	38
8933950	MAESTRO 4M/450 clean	702	434	450	40	34	39
8933960	MAESTRO 4M/600	852	434	600	40	34	46
8933965	MAESTRO 4M/70	702	492	370	70	64	40
8933905	MAESTRO 4M/70/520	852	492	520	70	64	48
8931240	Conveyor belt						

Pos.	Part No.	Spare parts	PU
1	8930509	Upper circular blade	1
2	8930603	Guide 2 up to serial no. 1999	1
2	8936615	Guide 2 from serial no. 2000	1
3	8930602	Guide 1 up to serial no. 1999	1
3	8936614	Guide 1 from serial no. 2000	1
4	8933933	Circular blade passage height 70 mm	1
5	8930756	Guide 2/70	1
6	8930755	Guide 1/70	1
7	8933394	Linear blade 450/370	1
7	8933931	Linear blade 450/370 clean	1