

MAESTRO 4M



PCB Separator	Conveyor belt	Dust Extractor
Fuse ON/OUT-switch Power plug	Fuse Interface Power plug	(Internal) fuse Extraction set Power plug



MAESTRO 4M separates both small and large PCBs fast and economically.

To optimize operation, the separation length can be programmed with the control keys.

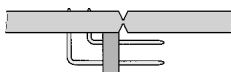
The pre-scored grooves can be interrupted by any number of cutouts.

The circular and linear blades made from special steel ensure a long service life.

Dust Extraction

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

Further information on page 16.



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

Careful Separation

The clearance between the circular and linear blades can be precisely adjusted with the rotary knob and is shown on the scale.

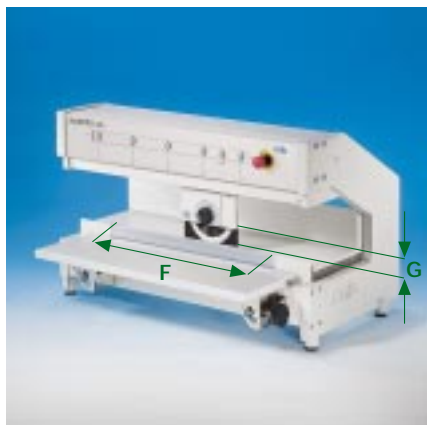
Tests made by the research center Karlsruhe have revealed that the larger the clearance between the circular and linear blades, the smaller is the stress produced during the separation process.

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.

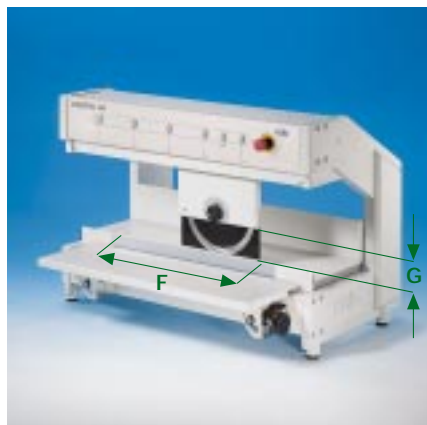




PCB Separator MAESTRO 4M
Component height at the edge on the PCB
max. 40 mm

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.

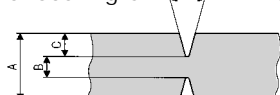
The light barrier at the end of the conveyor
belt can stop the arriving PCBs.

		with dust extraction		Length of devise		Height of device		Separation length		Component height before the groove		Component height behind the groove		Weight in kg		Accessories	
PCB Separator	Part No.		D	E	F	G	J									Conveyor belt	Part No.
MAESTRO 4M	8930800	-	702	434	450	40	34	38								•	
MAESTRO 4M clean	8932660	•	702	434	450	40	34	39								•	8931240
MAESTRO 4M/70	8931090	-	702	492	370	70	64	40								•	
MAESTRO 4M	8931000	-	852	434	600	40	34	46								•	8932150
MAESTRO 4M/70	8930830	-	852	492	520	70	64	48								•	

PCB thickness A 1.0 up to 3.2 mm
Remaining PCB thickness B

typical 1/3 of dimension A
min. 0.3 mm max. 0.8 mm

Depth of scoring C min. 0.25 mm



Increase in external dimensions
after separation 0.1 - 0.2 mm

Technical Data

Separation type

Component side circular blade
Solder side linear blade

Operation optimized, motor-driven

Separation speed 300/500 mm/sec.

Mains voltage

Dual voltage 230/115 V ~ 50 - 60 Hz

Earthing stud

Ø 10 mm

Operating temperature

15 - 25° C

Storage/transport temp.

-20 - 50° C

Humidity, non-condensing

10 - 85%

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

Weight

Part No. 8931240 14 kg

Part No. 8932150 18 kg

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

