

**PCB SEPARATOR**

**MAESTRO 4M**



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

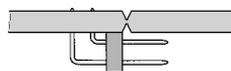
The pre-scored grooves can be interrupted by any number of cutouts.

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.

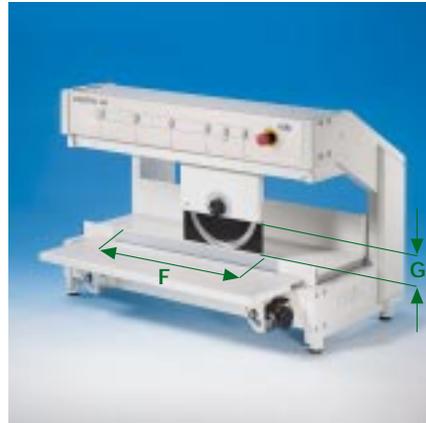
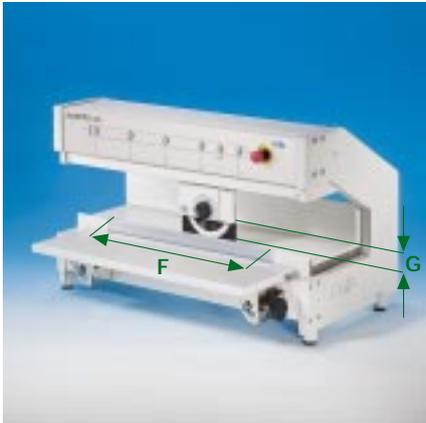
**Safe Operation**

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.

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





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

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

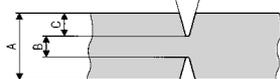
The slit between the linear blade and the rest can be adjusted to ensure that the side strips fall through are sorted out.

PCB Separator	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.

