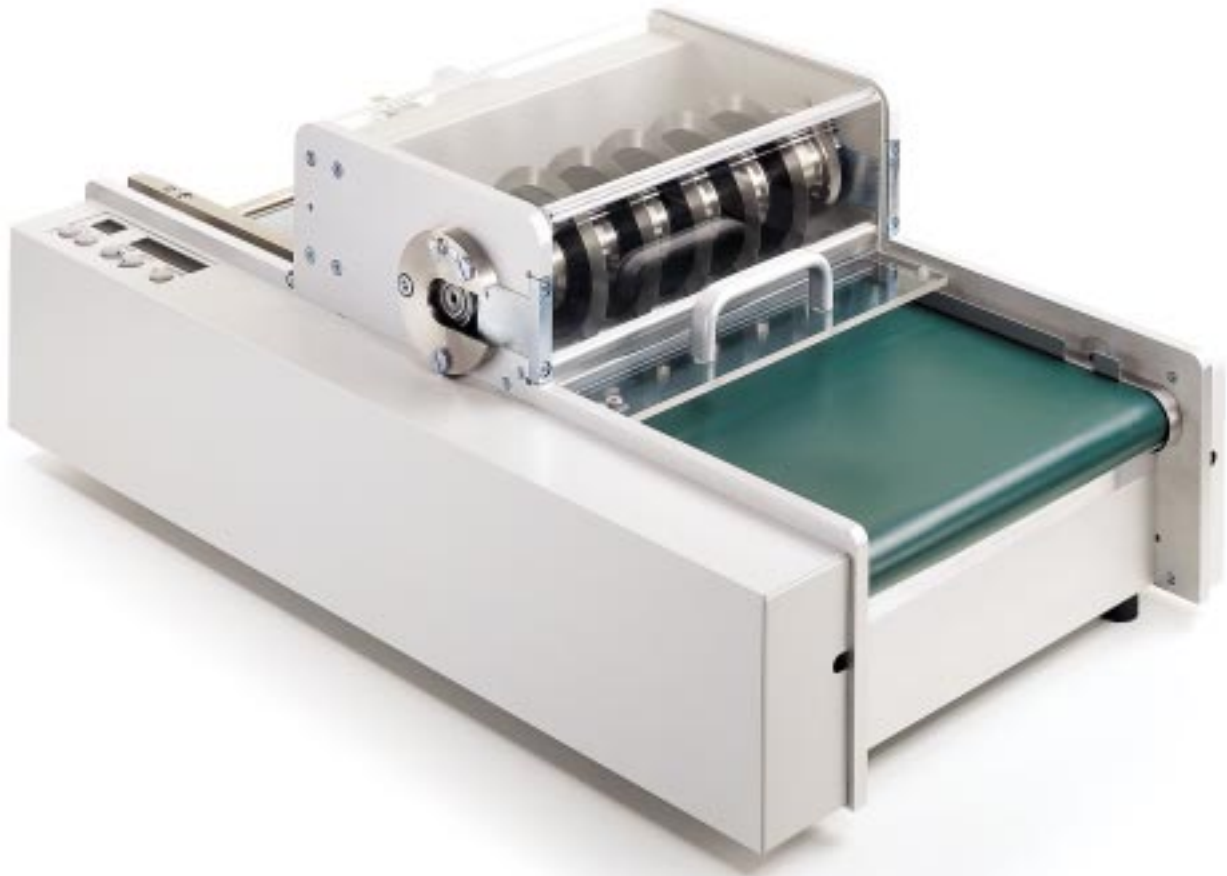


MAESTRO 5M



MAESTRO 5 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 457 mm can be separated by up to 14 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 5 can be adjusted to your PCB and your individual requirements.

Dust Extraction

The Dust Extractor is directly turned on the PCB separator MAESTRO 5. The extraction volume can be set on the machine.

Further information on page 16.

Settings

The width of the PCB feed and the clearance between the upper and lower circular blades can be precisely adjusted.

In case of service, the two shafts carrying the circular blades can be easily removed. The necessary tools and rests are part of the contents of delivery.





Description	Part No.
PCB Separator MAESTRO 5M	8931300
PCB Separator MAESTRO 5W	8933000

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.

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

Contents of Delivery

MAESTRO 5M with base
Circular blades on customer request
Service tools

PCB thickness A 1.0 - 3.2 mm
Remaining PCB thickness B
typical 1/3 of dimension A
min. 0.3 mm max. 0.6 mm
Depth of scoring C 30° min. 0.3 mm



Increase in external dimensions after separation 0.1 - 0.2 mm

Technical Data

Separation type
Component side circular blade
Solder side circular blade
Operation motorized
Separation speed 100 - 220 mm/sec.
can be set in 10 steps
Separation length 100 - 600 mm
Width off-cut min. 3 mm
Height of components
Component side max. 30 mm
Solder side max. 10 mm

MAESTRO 5M 5W

Number of circular blades max. 10 14
Width of PCB panels max./mm 310 457
Width of PCBs min./mm 10 10
max./mm 290 440

Display

- Separation speed
- Separated length or number of PCB panels

Keys

- Start, stop, reverse
- Setting of separation speed

Sensors

- Detection of the separation length
- Accumulation in front of and behind the blades
- Stop at the end of the conveyor belt

Interfaces

- Remote start/stop
- SMEMA (round 14 pins)

Mains voltage 230/115 V - 50 - 60 Hz
Operating temperature 10 - 30° C
Storage/transport temperature -20 - 50° C
Humidity, non-condensing 10 - 85%
Weight MAESTRO 5M 63 kg
MAESTRO 5W 72 kg

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

