

PCB Separator

SM-2000A

SM-2000 AM motorized

SM-2000A separates small amount and prototype series of PCBs fast and economically.

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

The compact and stable aluminium frame requires only a minimum of space.

SM-2000A is the reasonable model to start with, suitable for smaller numbers of PCBs.

The PCB is fed manually between the circular blades and is thereby separated.

SM-2000A AM separates large numbers of PCBs without fatigue of the operator.

The lower circular blade is driven by a motor. The PCB is fed between the circular blades where it is seized, transported and separated. Three different speeds can be selected.

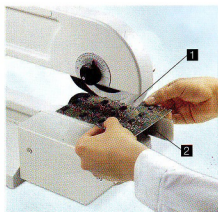


Safe Operation

The PCB is held with both hands and fed between the circular blades for separation.

The clearance between the upper guide **1** and the lower guide **2** is adjustable to ensure that the PCB is only fed through the machine in the pre-scored groove.

The extended lower guide **2** makes the feed-in of the PCB easier.

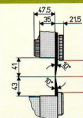


Recommended pre-scored grooves

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

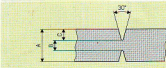
Component height

Maximum height of components next to the groove



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



Technical Data

Separation type	Component side	circular blade
Operation	SM-2000A	by hand
	SM-2000A AM	motor-driven
Separation speed	SM-2000A AM	15 - 300 mm
		100/200/300 mm/s
Separation length		15 - 300 mm
Mains voltage	SM-2000A AM	Dual voltage 230/115 V - 50 - 60 Hz
		Ø 10 mm
Earthing stud		Ø 10 mm
Operating temp.		15 - 25° C
Storage/transport temperature		-20 - 50° C
Humidity, non-condensing		10 - 85%
Weight	SM-2000A	16 kg
	SM-2000A AM	19 kg
*Dim, H x W x D		330 x 195 x 620 mm

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