

PCB separator MAESTRO 6



Separation of milled PCBs up to a length of 1,500 mm with a minimum of stress on the components

The MAESTRO 6 is the consequent further development of the proven cab PCB separators. Even very lengthy PCBs can be separated fast, economical and without stress.

The carriage power unit is assembled behind the linear blade. This crucially simplifies the separation and removal of the PCBs.

Dial gauge

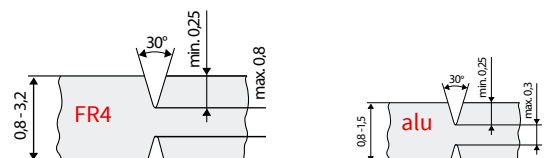
In order to separate without stress and to achieve a long service life, the circular and linear blades have to be guided along the entire separation. The dial gauge setting and regularly checking the parallelism is assembled to the carriage.



Overall technical data

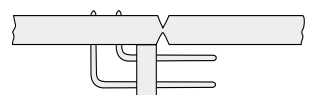
| | | |
|---------------------------------------|---|-------------------------|
| Separation method | Component side | Circular blade |
| | Solder side | Linear blade |
| Operation | path-optimized | |
| Separation speed | up to 500 mm/s up to 250 mm/s with aluminum | |
| Support table depth | 160 mm | |
| Operation panel | | |
| Control buttons | - Home / Position - Carriage moving to and fro | |
| Programming buttons | - Carriage start / stop position - Carriage moving to and fro with or without interruption - Separation speed - "Number of cuts" or "Separation length" selection - Deletion of selection - Conveyor belt activation - Belt speed | |
| Power switcher | ON/OFF | |
| Foot switch | START separation | |
| Safety switch | E-stop | |
| Power supply | 100 - 240 VAC, 50/60 Hz | |
| Emission sound pressure level | LpA < 70 dB (A) | |
| Temperature / humidity not condensing | Operation | + 10 - 35°C / 10 - 85 % |
| | Stock | 0 - 60°C / 20 - 80 % |
| | Transport | - 25 - 60°C / 20 - 80 % |
| Approvals | CE, FCC Class A | |

Outside dimensions increased after separation: typically 0.2 mm

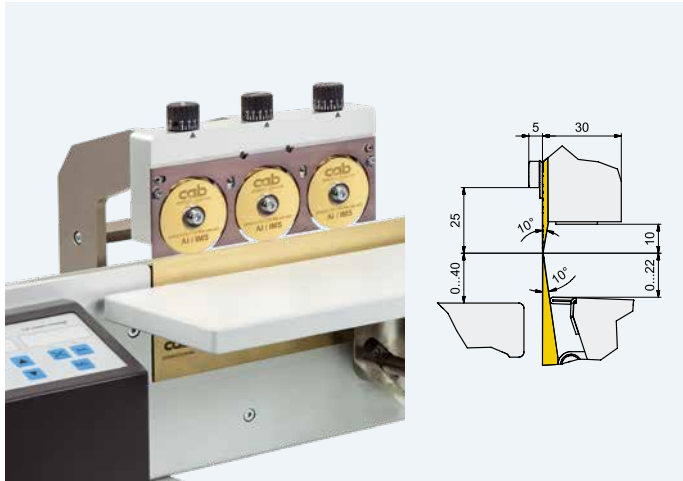


The milled groove may be interrupted by cutouts.

Protruding components need a recessed linear blade. Contact us, if required



PCB separator MAESTRO 6



MAESTRO 6/X03

Separation of FR4, CEM3 and aluminum PCBs
up to lengths of 1,500 mm

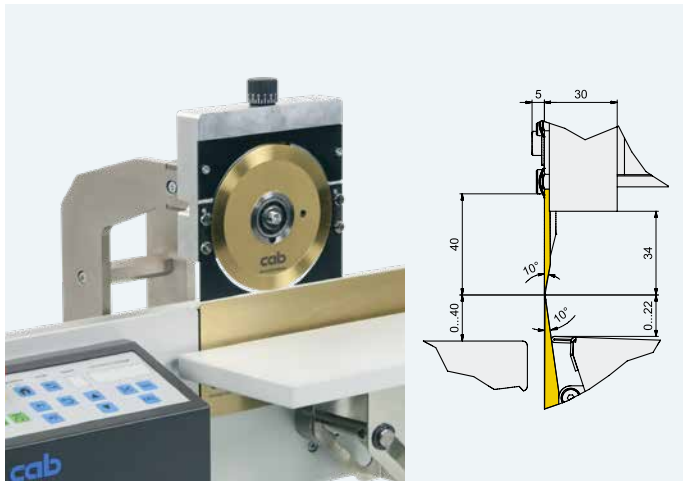
Simple and quick change of FR4/CEM3 blades to aluminum blades
or the other way round

Height of circular blades to the linear blade to be set individually

| Technical data | 6/603 | 6/903 | 6/1203 | 6/1503 |
|------------------|---|----------|----------|----------|
| Circular blade | diameter 60 mm | | | |
| Separation speed | up to 500 mm/s up to 250 mm/s with aluminum | | | |
| Materials | FR4, CEM3, aluminum | | | |
| Component height | Component side up to 10 mm Solder side up to 22 mm | | | |
| Width | 1,150 mm | 1,450 mm | 1,750 mm | 2,050 mm |
| Height x Depth | 350 x 450 mm | | | |
| Weight | 50 kg | 55 kg | 60 kg | 65 kg |

| Part no. | Product | Sep. length |
|--------------------|---|----------------|
| 8936510 | PCB separator MAESTRO 6/603 | up to 600 mm |
| 8936500 | PCB separator MAESTRO 6/903 | up to 900 mm |
| 8936490 | PCB separator MAESTRO 6/1203 | up to 1.200 mm |
| 8936570 | PCB separator MAESTRO 6/1503 | up to 1.500 mm |
| 8936xxx.520 | PCB separator MAESTRO 6/xx03 alu | |
| Scope of delivery | PCB separator Power cable Type E+F, length 1.8 m Foot switch Allen key 2 mm Dial gauge Operator's manual DE/EN | |

| Part no. | Wear parts | |
|--------------------|-----------------------|--|
| 8936446.001 | Circular blade 60 FR4 | |
| 8936507.001 | Circular blade 60 alu | |
| 8936593.001 | Linear blade 450 | |
| 8936592.001 | Linear blade 600 | |
| 8936437.001 | Blade protection X03 | |



MAESTRO 6/X01

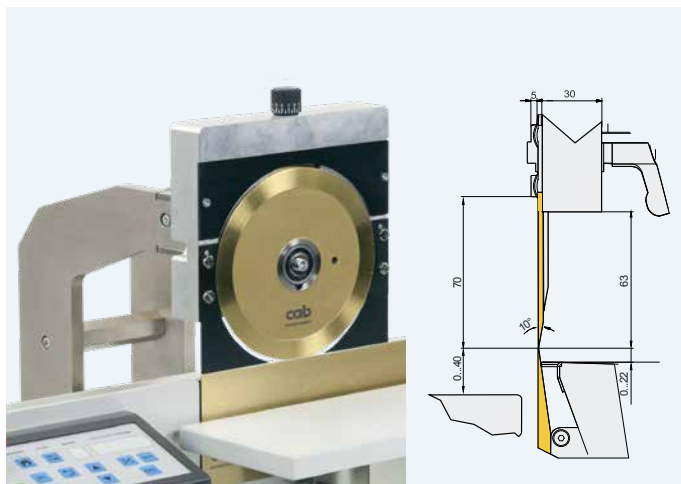
Separation of FR4 and CEM3 PCBs up to lengths of 900 mm;
further lengths on request

| Technical data | 6/601 | 6/901 |
|------------------------|---|----------------------|
| Circular blade | diameter 125 mm | |
| Separation speed | up to 500 mm/s | |
| Materials | FR4, CEM3 | |
| Component height | Component side up to 34 mm Solder side up to 22 mm | |
| Width x Height x Depth | 1,150 x 410 x 450 mm | 1,450 x 410 x 450 mm |
| Weight | 50 kg | 55 kg |

| Part no. | Product | Sep. length |
|-------------------|---|--------------|
| 8936560 | PCB separator MAESTRO 6/601 | up to 600 mm |
| 8936580 | PCB separator MAESTRO 6/901 | up to 900 mm |
| Scope of delivery | PCB separator Power cable Type E+F, length 1.8 m Foot switch Allen key 2 mm Dial gauge Operator's manual DE/EN | |

| Part no. | Wear parts | |
|--------------------|------------------------|--|
| 8930509.001 | Circular blade 125 FR4 | |
| 8936593.001 | Linear blade 450 | |
| 8936592.001 | Linear blade 600 | |
| 8936614.001 | Blade protection 1 X01 | |
| 8936615.001 | Blade protection 2 X01 | |

PCB separator MAESTRO 6



MAESTRO 6/601.70

Separation of FR4 and CEM3 PCBs up to lengths of 600 mm and component heights of 70 mm; further lengths on request

| Technical data | 6/601.70 |
|------------------------|---|
| Circular blade | diameter 185 mm |
| Separation speed | up to 500 mm/s |
| Materials | FR4, CEM3 |
| Component height | Component side up to 63 mm Solder side up to 22 mm |
| Width x Height x Depth | 1,150 x 410 x 450 mm |
| Weight | 50 kg |

| Part no. | Product | Sep. length |
|-------------------|---|--------------|
| 8936590 | PCB separator MAESTRO 6/601.70 | up to 600 mm |
| Scope of delivery | PCB separator Power cable Type E+F, length 1.8 m Foot switch Allen key 2 mm Dial gauge Operator's manual DE/EN | |

| Part no. | Wear parts | |
|--|--|---|
| 8933933.001 | Circular blade 185 |  |
| 8936593.001 8936592.001 | Linear blade 450 Linear blade 600 |  |
| 8936583.001 8936584.001 | Blade protection 1 X01/70 Blade protection 2 X01/70 |  |