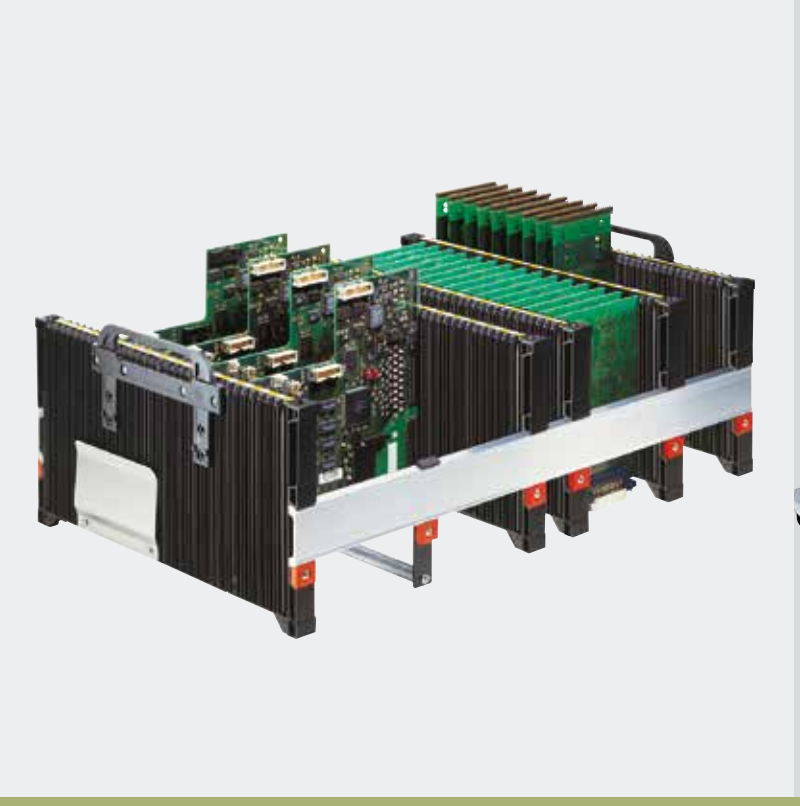
Edition 11



Products for the Electronics

Made in Germany

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All information on scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change. The data provided in the catalog do not represent any warranty or guarantee.

For current data see website
www.cab.de/en/electronics

Off-cut Remover HEKTOR 2

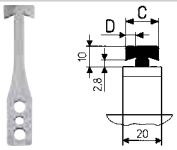
Technical Data		
Separation type		Punch blade
Operation		by hand
PCB thickness		max. 2.5 mm
Air connection		1/4“-plug-in coupler
Operating pressure		typical 4 bar
Temperature/	Operation	+ 5 - 40°C / 10 - 85%
Humidity	Storage	+ 0 - 60°C / 20 - 80%
not condensing	Transport	– 25 - 60°C / 20 - 80%
Weight		2.7 kg
Dimensions H x D x W		170 x 255 x 220 mm
Approvals		CE, FCC class A

Hektor separates milled PCBs carefully and fast.
The off-cut material is removed smoothly and precisely.
The matrix consists of two parts. This ensures easy and cost-saving change of the blades. Compressed air is used for the separation process. The operating pressure can be set on the machine. When the foot switch is pressed, the off-cut is punched out. The off-cuts are collected in the collecting box. When the gate is opened the waste material can be extracted.

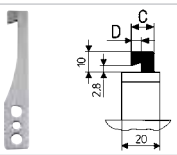
Part No.	Description
8932145	Off-cut Remover Hektor 2 (bur for blade)
8932xxx	Blade separate to order
Content of delivery	Off-cut Remover with air pressure regulator Foot switch Hexagon key 2 mm Hexagon key 4 mm Operation manual d/e

Safe Operation
The PCB is slipped with its milled groove over the blade and is placed onto the matrix. The off-cut is pulled under the blade. When the foot switch is pressed, the off-cut is punched out and the waste material is collected inside the machine.

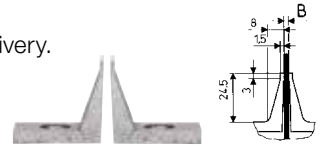
T-Blade
With the T-blade off-cuts can be punched out right and left of the blade without turning the PCB.



L-Blade
The L-blade will be used if there are small distances between the off-cuts

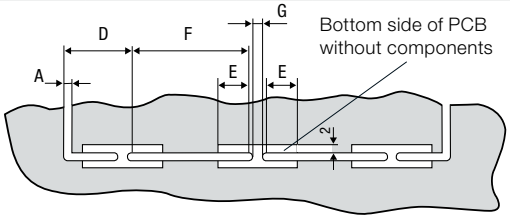


Matrix
Included in delivery.



Blades To ensure the blade will not be jammed in the PCB, the milled groove should be at least 0.15 mm wider as the blade.		Width of milled groove	Recomemded blade thickness	Length of blade	Length of cut	Free of compon. on solder side	Length of milled groove	Width of off-cut
Part No.		**A**	**B**	**C**	**D**	**E**	**F**	**G**
8932137.001	Balde 1.5 T	≥1.5	1.35	17.2	4.7	>19.0	>19.0	3.0
8932138.001	Balde 2.0 T	≥2.0	1.85	17.2	5.2	>19.0	>19.0	3.0
8932191.001	Balde 2.4 T	≥2.4	2.25	18.0	5.7	>19.0	>19.0	3.0
8932139.001	Balde 2.5 T	≥2.5	2.35	18.0	5.7	>19.0	>19.0	3.0
8932144.001	Balde 3.0 T	≥3.0	2.85	18.0	5.7	>19.0	>19.0	2.5
8932122.001	Balde 1.5 L	≥1.5	1.35	12.0	4.7	>15.0	>13.0	3.0
8932123.001	Balde 2.0 L	≥2.0	1.85	12.0	5.2	>15.0	>13.0	3.0
8932141.001	Balde 2.4 L	≥2.4	2.25	12.0	5.7	>15.0	>13.0	3.0
8932124.001	Balde 2.5 L	≥2.5	2.35	12.0	5.7	>15.0	>13.0	3.0
8932125.001	Balde 3.0 L	≥3.0	2.85	12.0	5.7	>15.0	>13.0	2.5
8932171.001	Matrix (as spare part)							

Blades with varying thickness on request.



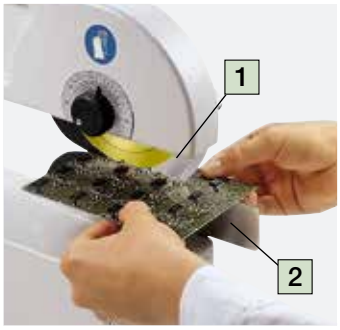
PCB Separator MAESTRO 2/2M

Technical Data		
Separation type		Component side circular blade Solder side circular blade
Operation	MAESTRO 2 MAESTRO 2M	by hand motor-driven
Separation speed 2M		100/200/300 mm/s
Separation length		15 - 300 mm
Mains voltage 2M		240 VAC, 50 Hz 110 VAC, 60 Hz
Temperature/	Operation	+ 5 - 40°C / 10 - 85%
Humidity	Storage	+ 0 - 60°C / 20 - 80%
not condensing	Transport	– 25 - 60°C / 20 - 80%
Weight	MAESTRO 2 MAESTRO 2M	16 kg 19 kg
Dimensions H x D x W		330 x 620 x 195 mm
Approvals		CE, FCC class A

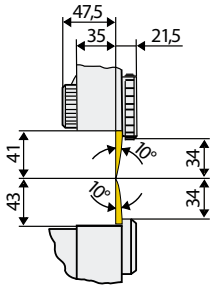
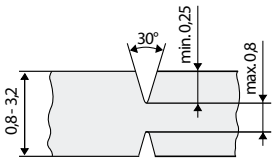
MAESTRO 2 separates small amount and prototype series of PCBs fast and economically. The compact and stable aluminum frame requires only a minimum of space.

MAESTRO 2
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.

MAESTRO 2M motorized
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.



Save Operation
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.

Maximum height of components next to the groove.	
Increase in external dimensions after separation.	typical 0.2 mm
The pre-scored grooves can be interrupted by cutouts with a length of up to approx. 5 mm.	

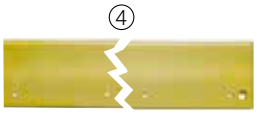
	Part No.	Description
	8933900 **8933935**	PCB Separator MAESTRO 2 PCB Separator MAESTRO 2M
	Content of delivery	PCB Separator Power cable Type E+F, 1,8 m (but 2M) Hexagon key 2 mm Operation manual d/e
Pos.	**Part No.**	**Spare parts**
1	**8930509.001**	Circular blade FR4
2	**8930522.001**	Guide
3	**8930744.001**	Upper guide
4	**8933661.001**	Lower circular blade
5	**8930514.001**	Guide
6	**8930745.001**	Lower guide

PCB Separator MAESTRO 3E

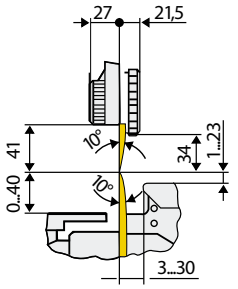
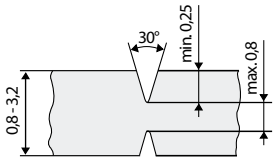
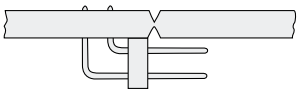
MAESTRO 3E separates both small and large pre-scord PCBs.
The table and the rest can be continuously adjusted to the most suitable working position.
The slit between the linear blade and the rest can be adjusted to ensure that the side strips fall through and are sorted out.

Safe Operation

The PCB is placed with its pre-scored groove onto the linear blade and the circular blade is then drawn by hand across the PCB.
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.



Technical Data	
Separation type	Component side circular blade Solder side linear blade
Operation	by hand
Separation length	max. 450 mm
Material	FR4, Aluminum
Temperature/ Operation	+ 5 - 40°C / 10 - 85%
Humidity Storage	+ 0 - 60°C / 20 - 80%
not condensing Transport	– 25 - 60°C / 20 - 80%
Weight	22 kg
Dimensions H x D x W	455 x 700 x 350 mm
Approvals	CE, FCC class A

Maximum height of components next to the groove.	
Increase in external dimensions after separation.	typical 0.2 mm
The pre-scored grooves can be interrupted by cutouts with a length of up to approx. 5 mm.	
If components project above the groove, the linear blade needs to be cut out. In such a case contact us.	

Part No.	Description
8933945	PCB Separator MAESTRO 3E/450
Content of delivery	PCB Separator Hexagon key 2 mm Operation manual d/e
Part No.	**Accessories**
8970208.001	Dial gauge for MAESTRO 3E/4S
Pos. Part No.	**Spare parts**
1 **8930509.001**	Circular blade FR4
2 **8936615.001**	Guide
3 **8936614.001**	Guide
4 **8933394.001**	Linear blade 450

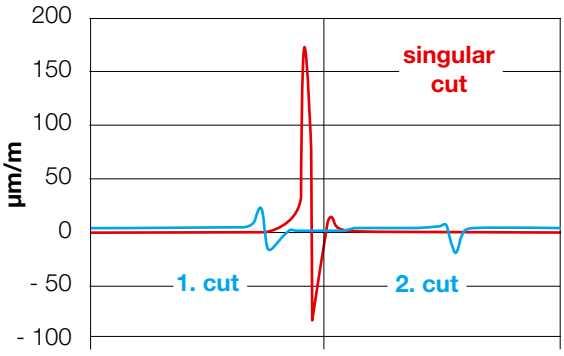
PCB Separator MAESTRO 4S

Stress-free separation of pre-scored PCBs

The MAESTRO 4S separates both large and small PCBs quickly, economically and without stress.
Cutting with only a single traverse of the pre-scored groove causes tensile and compressive stresses that can damage sensitive components near the groove. Even a second traverse of the groove accompanied by an adjustment of the blade distance substantially reduces the tensile and compressive stresses. This significantly improves the quality of the populated PCBs.

The most important features

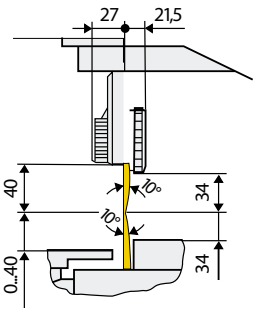
– The blade distance is entered on the operating panel and its adjustment is motor-powered.
– Up to nine programs can be stored.
– The materials used for PCBs are FR4 and aluminum
– The continuously adjustable separation length is set with limit switches.
– The accumulated cutting performance is displayed for the purpose of scheduling preventive maintenance of the blade.



Material: FR4 1,5 mm, rest thickness ca. 0,6 mm

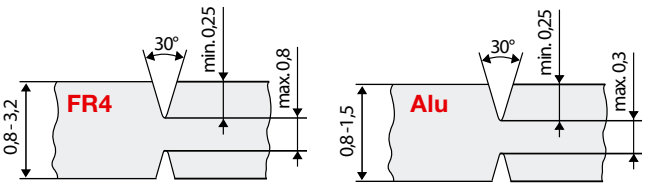
Technical Data		4S/450	4S/600
Separation type		Component side circular blade Solder side linear blade	
Operation		optimized motor driven	
Separation speed		300/500 mm/s switchable	
Material		FR4, Aluminum	
Height of components		Solder and component sides up to 34 mm	
Continuously adjustable separation length		up to 450 mm	up to 600 mm
Width of supporting table		200 mm	
Programming			
Start		Traverse to starting position	
Program		9	
Separation steps		1 – 5	
Blade distance		0.9 mm up to 0.05 mm	
Key switch button		Release program selection	
Cutting performance display		up to 99 km	
DEL		Reset step count	
Power switch		ON / OFF	
Foot switch		START Operation	
Safety switch		Emergency stop	
Voltage		100 – 240 VAC 50/60 Hz	
Emission sound pressure level		LpA < 70 dB (A)	
Temperature/ Humidity not condensing	Operation	+ 5 - 40°C / 10 - 85%	
	Storage	+ 0 - 60°C / 20 - 80%	
	Transport	– 25 - 60°C / 20 - 80%	
Weight		38 kg	46 kg
Height x Depth		434 x 425 mm	
Width		702 mm	852 mm
Approvals		CE, FCC class A	

Maximum height of components next to the groove.



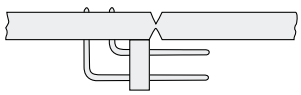
Increase in external dimensions after separation.

typical 0.2 mm



The pre-scored groove can be interrupted by cutouts.

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



Conveyor belt

Conveyor Belt
The separated PCBs are placed individually on the conveyor belt, and transported out to the side of the machine.
The speed is adjusted according to the size of the PCB. A light barrier at the end of the conveyor belt detects the arrival of PCBs and stops the belt.

Technical Data	450	600
Material 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	
Vertical clearance to linear blade	5 - 17 mm	
Maximum PCB width	200 mm	
Weight	14 kg	
Width of belt	170 mm	
Length	1200 mm	1350 mm
Approvals	CE, FCC class A	

For separating aluminum with the MAESTRO 4S the standard circular blade with special blade settings can be used. More information in the operation manual and at **www.cab.de/en**

Various aluminum alloys are used in the manufacture of PCBs. We recommend submitting sample PCBs with the order in order to optimize the cutting geometry and for the correct adjustment of the circular blades.

The circular and linear blades must be precisely guided across the entire separation length in order to achieve stress-free separation and a long service life. The measuring system is mounted on a carriage for setting and regularly checking the parallelism.

Part No.	Description
8936800 **8936745**	PCB Separator MAESTRO 4S/450 PCB Separator MAESTRO 4S/600
8936800.520 **8936745.520**	PCB Separator MAESTRO 4S/450/alu PCB Separator MAESTRO 4S/600/alu
8930509.001	Circular blade
8970208.001	Dial gauge pre-installed
8931240 **8932150**	Conveyor belt 450 Conveyor belt 600
Content of delivery PCB Separator	Power cable Type E+F, length 1,8 m Foot switch Hexagon key 2 mm Supporting table incl. mounting set Dial gauge Operation manual de/en
Content of delivery Conveyor belt	Power cable Type E+F, length 1,8 m Assembling set Operation manual de/en

Pos.	Part No.	Spare parts
1	**8930509.001**	Circular blade
2	**8936615.001**	Guide
3	**8936614.001**	Guide
4	**8933394.001**	Linear blade 450
4	**8933682.001**	Linear blade 600

PCB Separator MAESTRO 5L

PCB Separator MAESTRO 5L
The MAESTRO 5L can be used cost-effectively if large numbers of pre-scored PCBs have to be separated.

It can simultaneously separate up to ten PCBs positioned side by side. The maximum passage width is 310 mm. The distances and number of circular blades are adjusted to match the PCB.

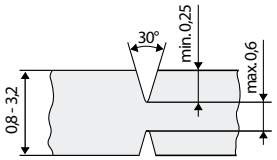
The blade shafts are stable and precisely machined to ensure clean separation of the PCBs. The circular blades are hardened, ground and titanium coated for a long service life.

The PCBs are inserted into the guide by hand, or automatically by a loading station or an external conveyer belt. After separation, the PCBs are placed on the installed conveyor belt. The machine can be installed in an assembly line in conjunction with a SMEMA interface.

The height of the base frame of the MAESTRO 5L can be adjusted optimally for each application.
A connection is provided for an extraction and filtering system.

PCB Separator MAESTRO 5L

Technical Data	
Separation type	Component side circular blade Solder side circular blade
Operation	with motorized
Separation speed	100 - 220 mm/s in in 10 steps
Length of PCB panel with light barrier activated with light barrier de-activated	 100 - 570 mm > 2000 mm
Width of PCB panels	max. 310 mm
Width of-cut	min. 3 mm
Height of components	Component side max. 30 mm Solder side max. 10 mm
Number of circular blades	max. 11 on each blade shaft
Width of PCBs	up to 300 mm
Display	- Separation speed - Separated length or numbers of PCB panels
Keys	- Start, stop, reverse - Setting of separated speed
Monitoring	- Detection of separation length - Accumulation in front of and behind the blades - Stop the end of the conveyor belt

Interfaces		- Remote start/stop - SMEMA (round 14 pins)
Voltage		240 VAC, 50 Hz 110 VAC, 60 Hz
Temperature/	Operation	+ 5 - 40°C / 10 - 85%
Humidity	Storage	+ 0 - 60°C / 20 - 80%
not condensing	Transport	– 25 - 60°C / 20 - 80%
Weight		63 kg
Dimensions	height width depth	750 - 1000 mm 440 mm 1100 mm
Approvals		CE,FCC class A
Increase in external dimensions after separation.		typical 0.2 mm
The pre-scored groove can be interrupted by cutouts.		

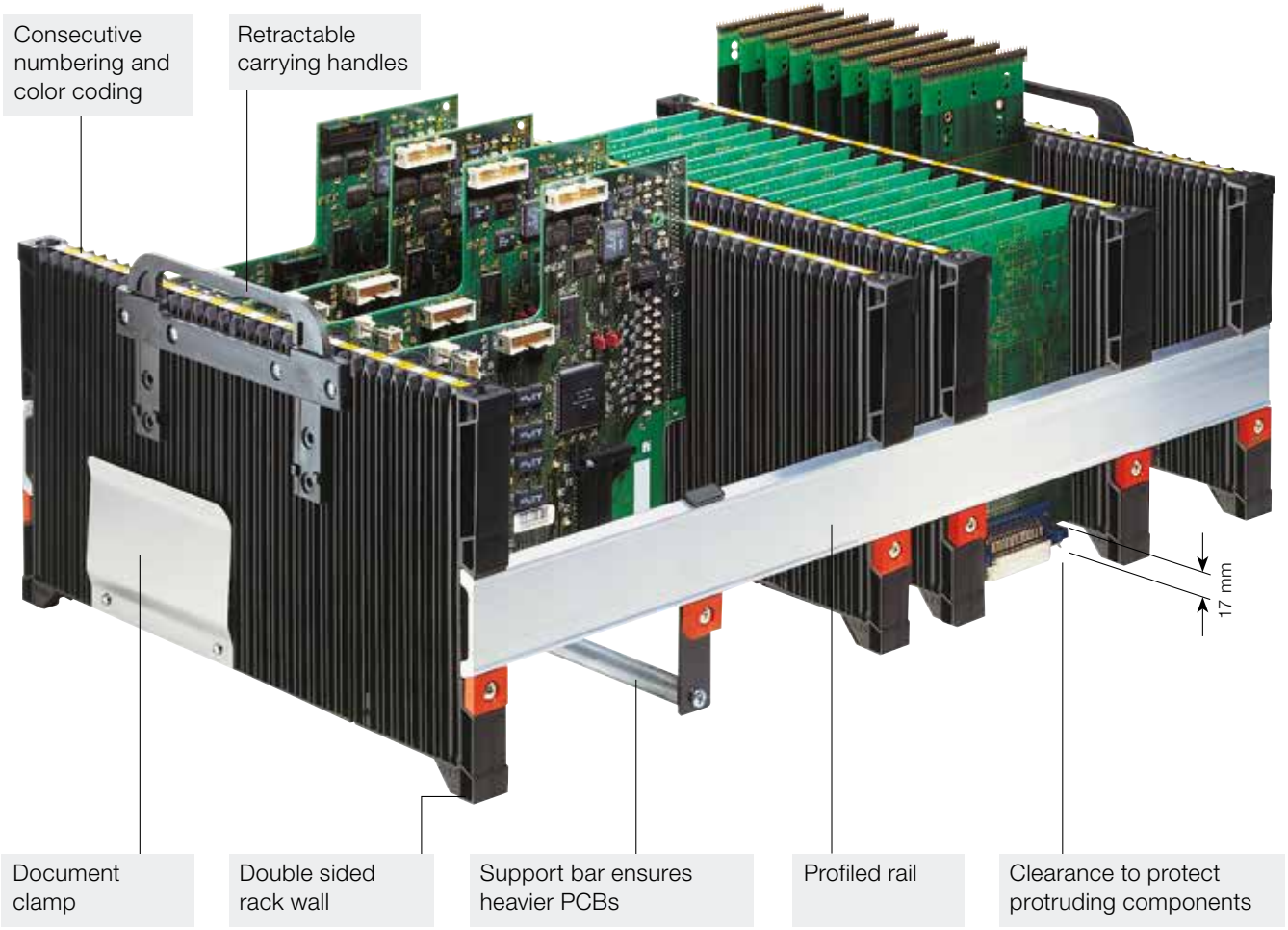
Part No.	Description
8934520	PCB Separator MAESTRO 5L without circular blade and protective cover The desired circular blade has to be ordered separately. It is mounted and adjusted in the device in the factory.
893xxxx	Blade shaft fitted
893xxxx	Specific cover parts
Content of delivery	PCB Separator, with base Power cable, type E+F, length 1,8 m Service tool Indicator light Blade shaft auxiliary device Stacker, complete End portion of aspiration Operation manual de/en
Part No.	**Spare parts**
8934803.001	Circular blade width 8 mm

There is a system behind it

The cab PCB magazines can be filled when standing vertical or laying horizontal. The system is totally adjustable for width and can be assembled according to your individual requirements. For different size PCBs we offer PCB magazines with a height of 100, 180 and 300 mm.

All magazines have 32 slots, each with a 10 mm clearance between them, thereby providing maximum use of available space.

Secure
The precision molded slots are funnel shaped at each end to simplify the insertion of each circuit board.
The location of each mounting slot is shown by yellow and white positioning strips. These enable boards to be loaded while avoiding the risk of being loaded by hand in the wrong position.

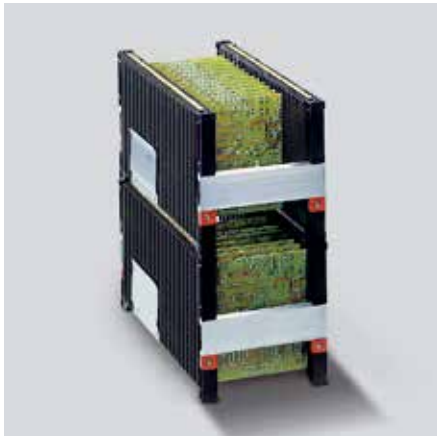


PCB Magazines Series 100 / 180 / 300

Fast and easy assembly
The magazine walls can be secured to the profiled rails in any position required. Two identically sized circuit boards are inserted between the walls, into the adjustment slots at the extreme ends of each wall. The second wall is then pressed firmly onto the boards and screwed tight.

Rigid and stable
The magazine walls are constructed in sandwich form, and are therefore particularly rigid. For heavy mechanical and thermical force the magazine walls can additionally be reinforced by the use of a steel rod.

Slot lock
To prevent damage to the PCB board during insertion, we offer slot locks which cover slots not in use.



Stackable
At the corners of each magazine are male and female connectors which allow the racks to be stacked upon another. The lower edge of each magazine-side has a molded recess which allows the magazine to be gripped and lifted without problem.

Vertical mounting
Before soldering, the circuit board must be stored horizontally. The magazine can therefore stand vertically.

Transport containers
For transport purposes, the PCB magazines can be loaded into containers. These containers have norm sizes of 600 x 400 mm and 400 x 300 mm. Retractable handles enable the magazines to be removed with ease.

PCB Magazines Series 100 / 180 / 300

with 32 slots

Flexing of the magazine walls under loading
When the PCB Magazine is correctly assembled, each side wall may flex less than 1,0 mm to ensure a secure mounting of the PCB. The flexing was calculated using 16 circuit boards, with a clearance of 20 mm between each other and a weight per board of 500 g.

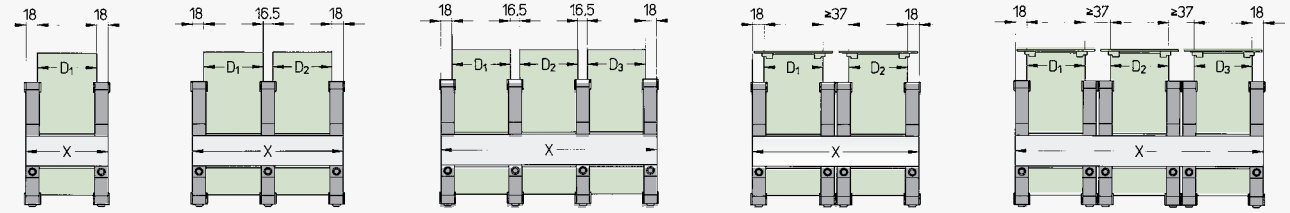
Critical loading can occur as follows:

1. When the magazine is laid on its side on a flat surface and then lifted.
2. When being transported in the vertical position and the position is changed to the horizontal.

Technical Data	100	180	300
Material	Polypropylene		
Color	black		
Surface resistance	as per DIN EN 61340-5-1 $< 10^9$		
Dimensions			
Slot width mm	2.8	4.0	3.5
Slot depth mm	2.0	2.5	2.5
Amount	32	32	32
Distance of PCBs mm	10	10	10
Flexing with a total load of 8 kg			
Temperature 23°C not reinforced	1.0	0.8	0.4
Temperature 23°C with reinforced	0.5	0.4	-
Temperature 70°C not reinforced	-	-	0.8
Temperature 70°C with reinforced	0.9	0.7	-

The length of profiled rail (Dimension X) is calculated based upon the dimensions as shown below.

Dimension D = PCB Width
Dimension X = Length of Profiled Rail



x = 36 + D1 | **x = 52 + D1 + D2** | **x = 69 + D1 + D2 + D3** | **x ≥ 73 + D1 + D2** | **x ≥ 110 + D1 + D2 + D3**

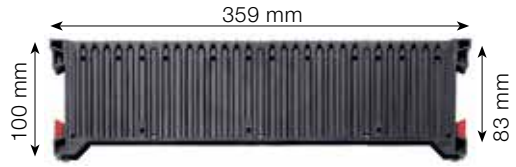
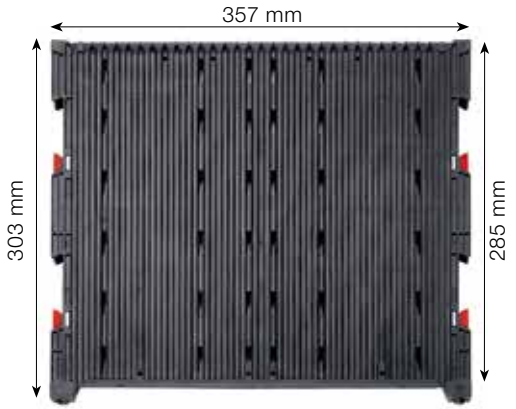
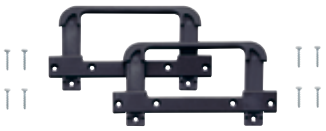
Delivery program

Part No.	Description
8910063	PCB Magazine Testset 100
e.g. for 100 mm wide PCBs Contents: 4 Side Walls 100 2 Profiled Rails 369 mm long 1 Document Clamp Weight: 1.4 kg	

Part No.	Description
8910064	PCB Magazine Testset 180
e.g. for 100 mm wide PCBs. Contents: 4 Side Walls 180 2 Profiled Rails 369 mm long 1 Document Clamp 1 Set Carrying Handles Weight: 2.5 kg	

Part No.	Description
8910065	PCB Magazine Testset 300
e.g. for 233.4 mm wide PCBs. Contents: 2 Side Walls 300 4 Profiled Rails 269 mm long 1 Document Clamp 1 Set Carrying Handles Weight: 2.0 kg	

Delivery program

	Part No.	Description	Weight
	**8910050** **8910102** **8913913**	Rack Wall 100 Rack Wall 100 reinforced Stegwand 100 with drilling for Slot Lock	0.28 kg 0.40 kg 0.28 kg
	8910060 **8910104**	Rack Wall 180* Rack Wall 180* reinforced *incl. Drilling for Slot Lock	0.53 kg 0.65 kg
	**8912049** **8913914**	Rack Wall 300 Rack Wall 300 with drilling for Slot Lock	0.7 kg 0.7 kg
 The profiled rails are supplied according to your requirements, xxxx is the length in mm.		**Length in mm**	
	8910136 **8910252** **8910547** **8911000** **8912000** **8913000** **891xxxx**	Profiled Rail 0136 Profiled Rail 0252 Profiled Rail 0547 Profiled Rail 1000 Profiled Rail 2000 Profiled Rail 3000 Profiled Rail xxxx	0.06 kg 0.11 kg 0.24 kg 0.45 kg 0.90 kg 1.35 kg
	8910009	Document Clamp	
	8912004 **8912005** **8912006**	Support Bar 100 Support Bar 180 Support Bar 300	
 Packaging unit: 1 Set	**8912007** **8910097**	Carrying Handle 100 Carrying Handle 180/300	
 Slot Lock 1 Slot Lock 2 pictures increased	**8913916** **8913917**	Slot Lock 1 Slot Lock 2	

Packaging unit: respectively 100 Sets

for automated assembly lines

1 Locking knob for stacking purposes

2 Transport safety

3 Consecutive numbering on the rack walls for easy feeding

4 The precision spindles ensure the parallelism of the rack walls during adjustment

5 The gear belt allows for quick adjustments in seconds

Automation Requires Precision
Precision, stability and flexible handling are important features for the use of the PCB Magazines in automated assembly lines.

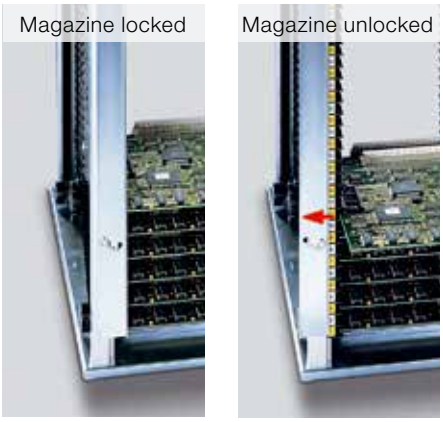
The stable and robust frame construction guarantees a long lasting use of the cab magazine in your production.
The rack walls are manufactured from conductive material.

Metal magazine
For high mechanical or temperature use we offer the magazine with metal rack walls.

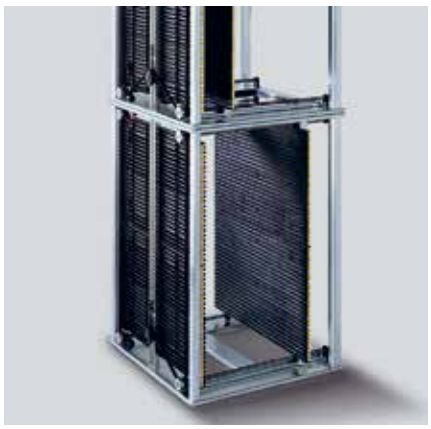
PCB Magazines Series 600 / 700

Series 600 - Width adjustment by screw clamp
The series 600 is cost effective alternative with a simple width adjustment. By backing off the four screw clamps the moveable rack wall can be pushed to the necessary PCB width.

Series 700 - Width adjustment by gear belt
Handling different PCB sizes the magazines have to be adjusted to the PCB width quite often. The PCB Magazines of the series 700 are adjusted to the necessary PCB width within seconds.



Transport safety
To secure the PCBs while transporting the magazine, a safety bar is mounted on the front and back side of the rack wall.

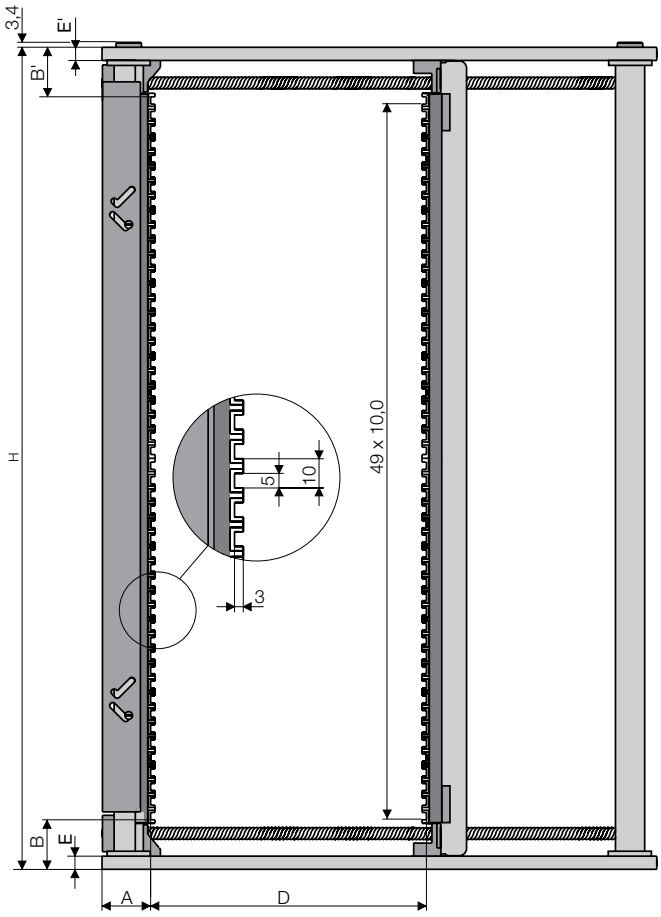


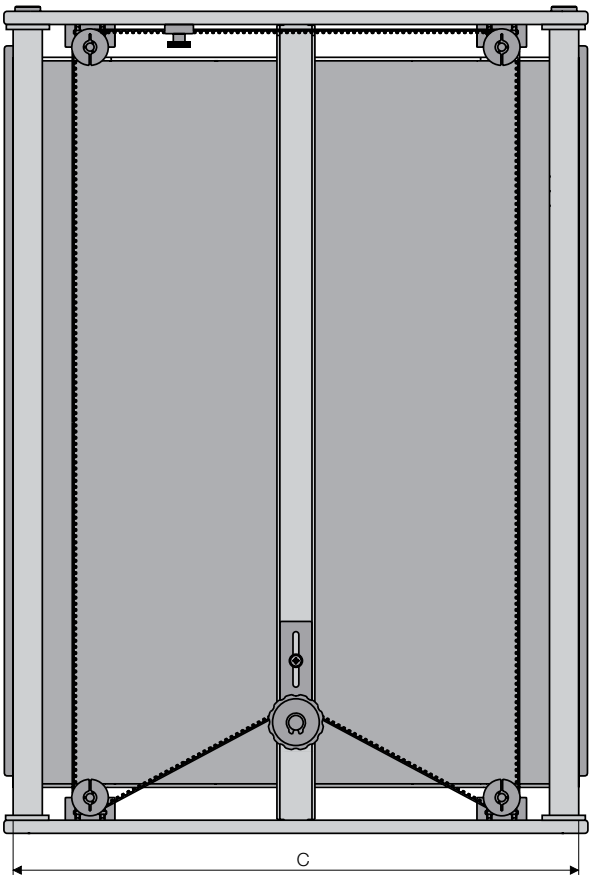
Stackable
The magazines can be stacked and secured space saving by four support guides on the top of the plate.

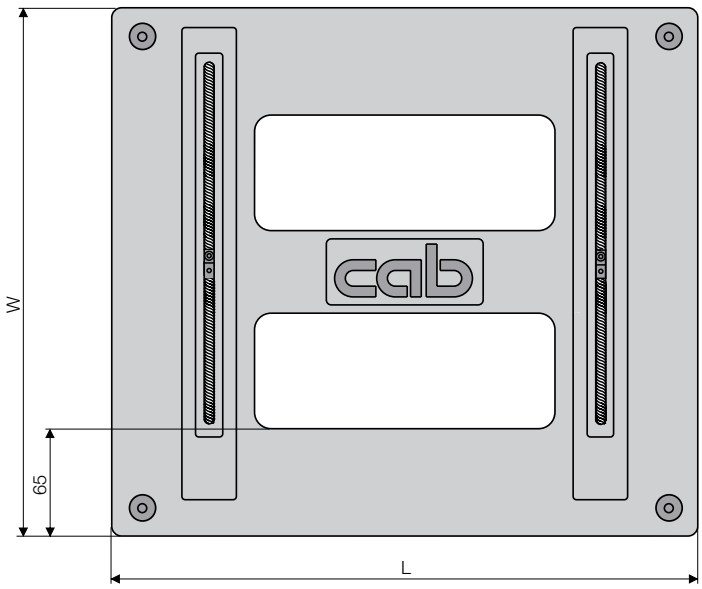
Reversible
Through to the vertical symmetry all magazines can be placed upside down to work on double sided PCBs.
The stacking locator knobs must be replaced.

Slot lock
To lock the slots of series 600.1/2 and 700.1/2 PCB magazines

Technical data







Delivery program / Dimensions

Type	Part No.	Temperature Insertions C°	Temperature Ambient C°	Weight kg	External measurements L mm	External measurements W mm	External measurements H mm	PCB Width D min. mm	PCB Width D max. mm	PCB Length C max. mm	Cover/ basem. Dye cast aluminium	Cover/ basem. Steel sheet	A mm	B mm	B‘ mm	E mm	E‘ mm	Pitch mm	Insertions	Screws	Gear belt	Stackable	Reverse operation
601.1 **601.2** **601.3**	8917601 8916601 8915601	60 130 200	50 100 200	5,6 5,9 6,9	355	320	563	40	250	342	■	-	34	34	34	9	9	10	50	■	-	■	■
602.1 **602.2** **602.3**	8917602 8916602 8915602	60 130 200	50 100 200	5,8 6,1 7,2	400	320	563	40	250	387	■	-	34	34	34	9	9	10	50	■	-	■	■
603.1 **603.2** **603.3**	8917603 8916603 8915603	60 130 200	50 100 200	6,2 6,5 7,6	400	380	563	40	310	387	■	-	34	34	34	9	9	10	50	■	-	■	■
701.1 **701.2** **701.3**	8917701 8916701 8915701	60 130 200	50 80 100	5,6 5,9 6,9	355	320	563	40	250	342	■	-	34	34	34	9	9	10	50	-	■	■	■
702.1 **702.2** **702.3**	8917702 8916702 8915702	60 130 200	50 80 100	5,8 6,1 7,2	400	320	563	40	250	387	■	-	34	34	34	9	9	10	50	-	■	■	■
703.1 **703.2** **703.3**	8917703 8916703 8915703	60 130 200	50 80 100	6,2 6,5 7,6	400	380	563	40	310	387	■	-	34	34	34	9	9	10	50	-	■	■	■
704.1 **704.2** **704.3**	8917704 8916704 8915704	60 130 200	50 80 100	7,8 8,0 9,5	460	400	563	10	330	447	-	■	34	34	34	9	9	10	50	-	■	■	■
705.2 **705.3**	8916705 8915705	130 200	80 100	8,7 10,1	535	380	570	10	310	522	-	■	34	41	34	16	9	10	50	-	■	■	-
715.2 **715.3**	8916715 8915715	130 200	80 100	8,7 10,1	535	380	563	10	310	522	-	■	34	34	34	9	9	10	50	-	■	■	■
706.2 **706.3**	8916706 8915706	130 200	80 100	9,5 10,9	535	460	570	10	390	522	-	■	34	41	34	16	9	10	50	-	■	■	-
716.2 **716.3**	8916716 8915716	130 200	80 100	9,5 10,9	535	460	563	10	390	522	-	■	34	34	34	9	9	10	50	-	■	■	■
707.2 **707.3**	8916707 8915707	130 200	80 100	9,7 11,1	535	530	570	10	460	522	-	■	34	34	41	9	16	10	50	-	■	■	-
717.2 **717.3**	8916717 8915717	130 200	80 100	9,7 11,1	535	530	563	10	460	522	-	■	34	34	34	9	9	10	50	-	■	■	■
708.2 **708.3**	8916708 8915708	130 200	80 100	9,6 11,0	535	470	570	10	400	522	-	■	34	41	34	16	9	10	50	-	■	■	-
718.2 **718.3**	8916718 8915718	130 200	80 100	9,6 11,0	535	470	563	10	400	522	-	■	34	34	34	9	9	10	50	-	■	■	■
709.2 **709.3**	8916709 8915709	130 200	80 100	9,6 11,2	535	580	570	10	510	522	-	■	34	41	34	16	9	10	50	-	■	■	-
719.2 **719.3**	8916719 8915719	130 200	80 100	9,6 11,2	535	580	563	10	510	522	-	■	34	34	34	9	9	10	50	-	■	■	■

The PCB-magazines xxx.1 and xxx.2 are delivered partially assembled.
Assembled magazines can be ordered with additional article numbers.
All metal magazines are delivered assembled:
60X.3-series reversible version, 70X.3-series stackable version.

	DL31001	**Assembled with staple neps**
	DL 31002	**Assembled for reserve operation**

Series		Material side wall	Surface resistance
60x.1	70x.1	Polystyrene	as per DIN EN
60x.2	70x.2	Polycarbonate	61340-5-1
60x.3	70x.3	Metal*	$< 10^9$
ESD Protection cover Permastat conductive discharge			

*Measured from rack wall to frame

ESD Protection cover

Permastat® ESD protection cover, stable and tearproof

Color: pink
Thickness: 150 µm (PU = 10 pcs.)

For further information see page 21.

cab supplies special magazines on request for specific applications. Please contact us.

Twin magazine for long PCBs

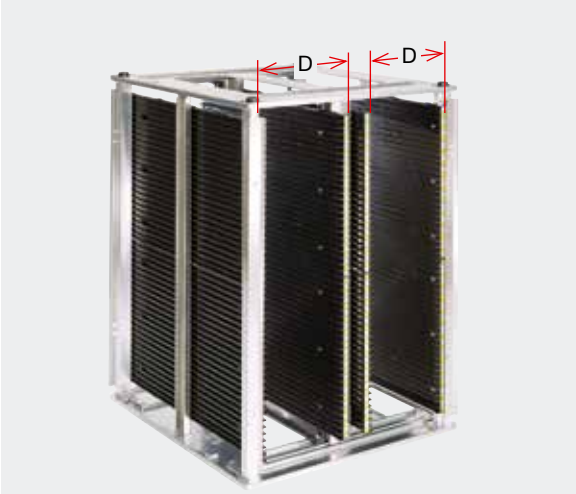
The PCB magazines are mounted with torsion resistance so that you can, for example, safely store and transport PCBs with a length of up to 787 mm in two PCB magazines of type 702.2-2.
Rack wall material: polycarbonate.
Delivery: fully assembled.

Type	Part No.	Temperature		Weight	External measurements			PCB		
		C° Insertions	C° Ambient	kg	L mm	W mm	H mm	Width D min. mm	Width D max. mm	Length C max. mm
701.2-2	8916712	130	100	12,3	710	320	563	40	250	697
702.2-2	8916722	130	100	12,7	800	320	563	40	250	787
703.2-2	8916732	130	100	13,5	800	380	563	40	310	787

Triple magazine for long PCBs

The PCB magazines are mounted with torsion resistance so that you can, for example, safely store and transport PCBs with a length of up to 1187 mm in three PCB magazines of type 702.2-3.
Rack wall material: polycarbonate.
Delivery: fully assembled.

Type	Part No.	Temperature		Weight	External measurements			PCB		
		C° Insertions	C° Ambient	kg	L mm	W mm	H mm	Width D min. mm	Width D max. mm	Length C max. mm
701.2-3	8916713	130	100	18,7	1065	320	563	40	250	1052
702.2-3	8916723	130	100	19,3	1200	320	563	40	250	1187
703.2-3	8916733	130	100	20,5	1200	380	563	40	310	1187



Double capacity through parallel slide-in units

A series 600 magazine can hold up to 100 PCBs. PCB magazines with 2 side-by-side slide-in units can be used for holding narrow PCBs.
Rack wall material: polystyrene, polycarbonate, metal.

Type	Part No.	Temperature		External measurements			PCB		
		C° Insertions	C° Ambient	L mm	W mm	H mm	Width D min. mm	Width D max. mm	Length C max. mm
601.1-P	8916435	60	50	355	320	563	40	100	342
601.2-P	8915485	130	100	355	320	563	40	100	342
603.2-P	8916425	130	100	400	380	563	40	130	387
603.3-P	8916395	200	200	400	380	563	40	130	387

Low height

PCB magazines with a low height, for example, for use in annealing furnaces. Reducing the height also prevents overloading with heavy PCBs, or if goods holders are used.
Rack wall material: metal.

Type	Part No.	Temperature		Weight	External measurements			Insertions	Screws	Gear belt
		C° Insertions	C° Ambient	kg	L mm	W mm	H mm			
601.3	8916130	200	200	5,5	355	320	343	28	■	–
701.3	8916410	200	100	5,9	355	320	263	20	–	■
701.3	8916175	200	100	6,1	355	320	343	28	–	■

ESD protection cover

Permastat® ESD protection cover, stable and tearproof, protects the PCBs in the magazine from contamination.

Type	Part No.
601/701	8916411
602/702	8916412
603/703	8916413
704	8916414
706/716	8916416
707/717	8916417

Protection cover for further models on request

Slot lock

Clipping and removal without additional tools;
When slot locks are in use, maximum PCB width adjustment is reduced by 3 mm.

Pos.	Part No.	Product	Pack size
1.1	8916571	Slot lock 1 (onefold)	100
1.2	8916575	Slot lock 5 (fivefold)	20

1.1

1.2

to lock every second magazine slot

Notes

Product overview

Label printers MACH1, MACH2
in the lower price segment

Label printers MACH 4S
where little space is available

Label printers EOS1
Desktop device for label rolls
up to diameter 152 mm

Label printers EOS4
Desktop device for label rolls
up to diameter 203 mm

Label printers SQUIX 2
Industrial device for print widths
up to 57 mm

Label printers SQUIX 4
Industrial device for print widths
up to 108 mm

Label printers SQUIX 6
Industrial device for print widths
up to 168 mm

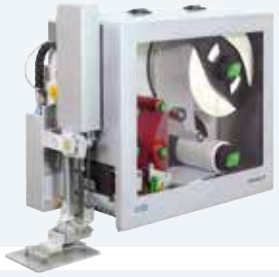
Label printers A8+
Industrial device for print widths
up to 216 mm

Label printers XD4T
for double-sided printing

Label printers XC
for two-color printing

Print and apply systems Hermes+
for automation

Print and apply systems Hermes C
for two-color printing and applying



Print modules PX
to be integrated in labeling machines

Labels
made from more than 400 materials

Ribbons
in wax, resin and resin/wax qualities

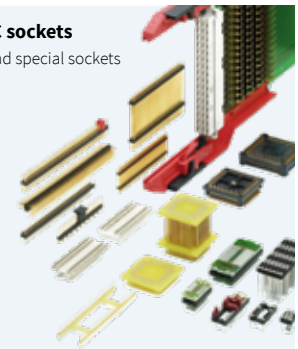
Label software cablabel S3
Design, print, control

Label dispensers HS, VS
for horizontal or vertical dispense

Labeling heads IXOR
to be integrated in labeling machines

Marking lasers
with output powers 10 to 50 Watt

IC sockets
and special sockets

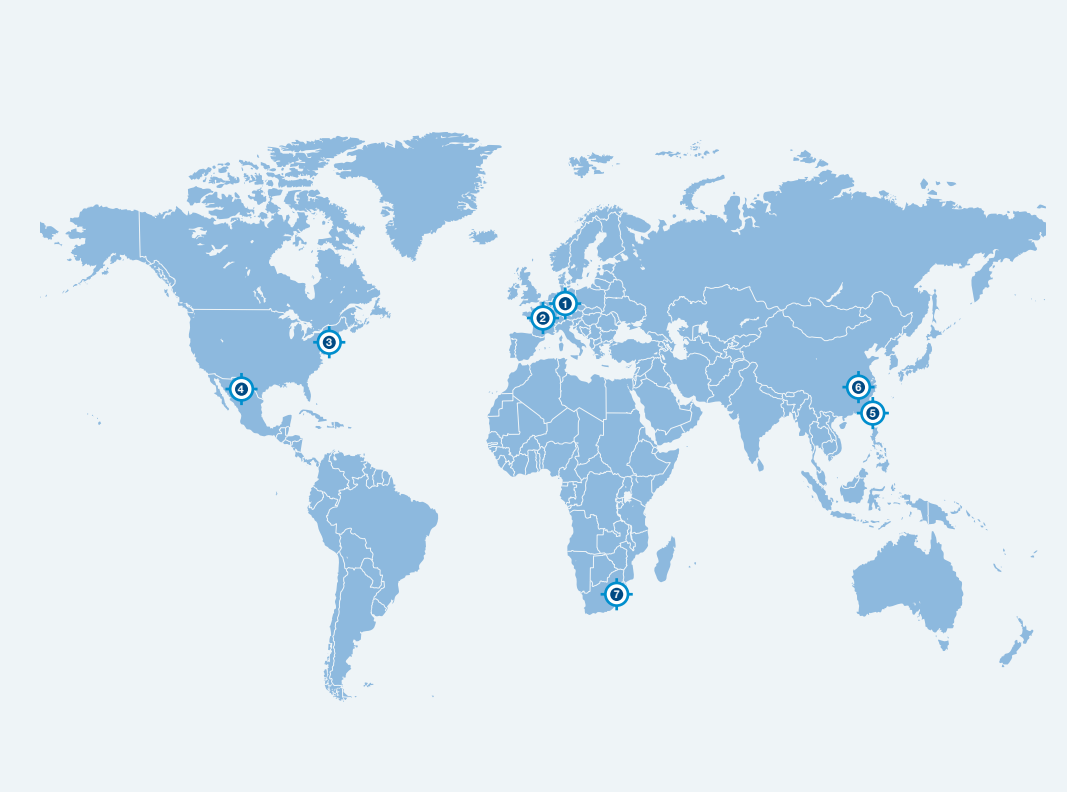


we identify more

1 Headquarter and fabrication in Germany

2 to 7 International subsidiaries

There are furthermore 820 distribution partners in more than 80 countries.



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