

SM-508 Blade moving PCB Separator

508 shears PCBs by the moving blade, internal stress keeps in range of 500-800uE, to avoid solder crack and component fracture.

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Application Range:

Suitable for diversified glass fibre board, FR-4 board, aluminum board, etc, especially for the PCB with components on both faces.

Feature:

- 1 When PCB array is separated after soldering, its components and circuit might be hurt by internal stress. 508 shears PCBs by the moving blade, which could decrease internal stress occurred during the shear, internal stress keeps in range of 500-800uE, to avoid solder crack and component fracture.
- 2 508 uses round blade (UP) and strip blade (Down).When start to shear, place PCB on strip blade, step on foot-plate gently, the round blade would move along the edge of strip blade, then PCB is separated totally, and the edge sheared is smooth and clean
- 3 Independent development, controlled by micro computer, with counter function,
- 4 Round blade moving speed 0-500, adjustable
- 5 Round blade moving distance 0-356/500mm(blade custom is available), blade height slight adjustment:0-2mm, suitable to PCB of different thickness, which solves the problem of different depth of V-slot. More, platform height is also adjustable: 17-93mm
- 6 The moving blade (round blade) could set the position to stop , according to specific length of the PCB. The position to stop is to be set manually.
- 7 Maximum PCB width: unlimited, maximum PCB length (shear length) 356mm/500mm, PCB thickness: 0.2 to 2mm
- 8 Height limitation of component on PCB(UP face): 0-35mm (distance between

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component and V-slot $\geq 3\text{mm}$);

Height limitation of component on PCB (Down face): 0-74mm (distance between component and V-slot $\geq 25\text{mm}$)

- 9 Blades made by SKH-11 high speed steel imported, durable, can work again after polish.
- 10 Conveyor could be added as an option, which used to move out PCBs conveniently after shear is done
- 11 You could choose to limiting device and clamp (extra charge), for PCB of different size, to raise efficiency.
- 12 Light curtain and blade shell, double-security, keep operator safe.

Technique Parameters:

Model	SM-508-360		SM-508-500	
Host Size	620×400×430mm		840×400×430mm	
Weight	Approx 45KG		Approx 50KG	
Voltage	220V/60Hz(110V/50Hz)		220V/60Hz(110V/50Hz)	
Pressure	None		None	
Power	200W		200W	
Blade size	Round blade: $\Phi 125 \times 30 \times 3\text{mm}$ Strip blade: $356 \times 45 \times 6\text{mm}$		Round blade: $\Phi 125 \times 30 \times 3\text{mm}$ Strip blade: $500 \times 45 \times 6\text{mm}$	
Blade material	High speed steel imported	High speed steel imported	High speed steel imported	High speed steel imported
PCB thickness	0.1-2.0mm	0.1-2.0mm	0.1-2.0mm	0.1-2.0mm
Shear Length	1-360mm	1-360mm	1-500mm	1-500mm
Shear Speed	0-500mm/s adjustable	0-500mm/s adjustable	0-500mm/s adjustable	0-500mm/s adjustable
Shear Width	Unlimited	Unlimited	Unlimited	unlimited
PCB compatible	fiber glass board, FR-4 board, aluminum board			
Platform Height adjustable	17-93mm			
Component Height (Up face)	0-35mm(distance between component and V-slot $\geq 3\text{mm}$)			
Component Height (Down face)	0-74mm (distance between component and V-slot $\geq 25\text{mm}$)			

Blade Sheell



Light curtain

