

# PCB SEPARATOR FOR ALUMINUM BOARDS

## MDS700

The MDS700 PCB separator is suitable for cutting 0.2 – 5mm thick, long Aluminum boards (often used in LED manufacturing). Boards of up to 2.4 Meter length can be cut.



### FEATURES

The unique cutting method included to cut the PCB by three groups of circular blades (A, B, C). The whole cutting process is divided into three stages to reduce 80% stress compared with the traditional separator, and leaves the separated aluminum plate without deformation after cutting.

With the multiple cutting method, cutting process is very smooth and greatly improves the capability of position of V-CUT groove. Even with a shallow slot VCUT groove, the board is not jumping out of the blades.

Blades adopt SKD61 high speed steel material made in Germany with long life time.

All the cutting blades are calibrated by Excitation double-frequency laser interference measurement instrument. The upper and below circular blade can be precisely adjusted and ensures that the latter knife can accurately continue to cut in the slots which already cut by the former knife. The jitter of knife point is less than 0.02mm and ensures perfect cutting quality.

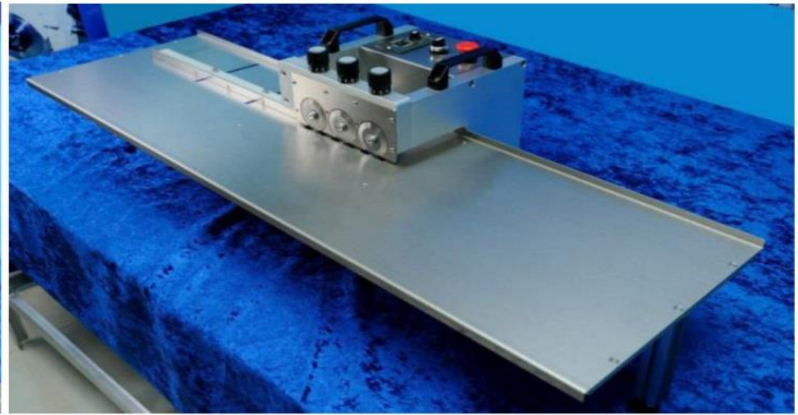
Stainless steel platforms of 1.2, 1.8 or 2.4 meter length can be selected

X, Y axis can be additionally adjusted to ensure cutting accuracy.

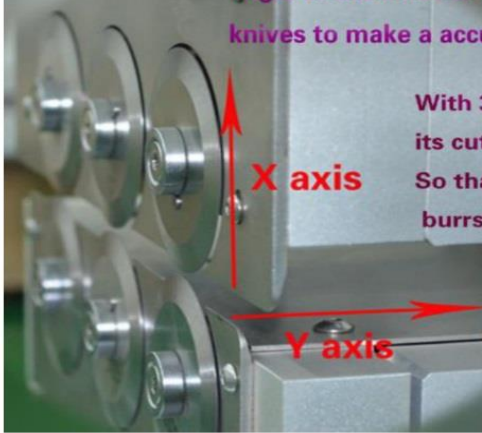
### SPECIFICATION

	MDS-700 (no platform)	MDS-710 (with 1.2M platform)	MDS-720 (with 2.4M platform)
Dimension	325*380*333mm	1200*506*333mm	2400*506*333mm
Max length of PCB	unlimited	unlimited	unlimited
Cutting Speed	80,120, 200, 400mm/s	80,120, 200, 400mm/s	80,120, 200, 400mm/s
Cutting Thickness	0.2-5mm	0.2-5mm	0.2-5mm
Voltage	230V/50Hz (110V/60Hz)	230V/50Hz (110V/60Hz)	230V/50Hz (110V/60Hz)
Machine weight	33kg	33kg+6kg	33kg+15kg
Power	40W	40W	40W

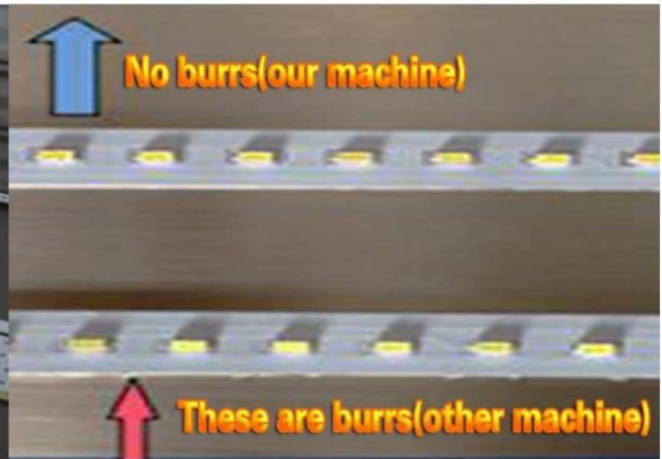
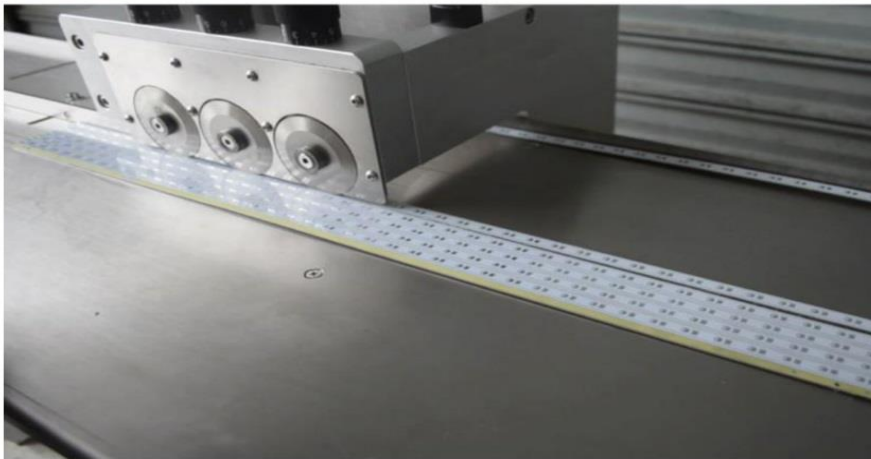
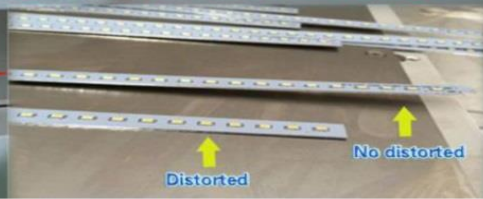
Technical data are subject to change



The x, y axis is of free adjustment. You can adjust the angle of the blade and the gap between upper and lower knives to make a accurate cutting for a long time.



With 3 knives for the upper and lower blade, its cutting process is divided in to 3 parts. So that the machine cuts boards without burrs and deformation under little stress.



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