

# K5000 Multiple Blade Depanelizer

## Manual board feed PCB multiple panel singulation

K5000 Singulates up to 10 panels in one pass.



The K5000 PCB separator is designed to singulate a high volume of pre-scored multiple PCB sheets into individual units. For sheets with a width of up to 10.6" (270 mm), up to 10 circular blades simultaneously separate the PCBs into individual panels. To singulate the PCB panels, the sheet is laid onto the input conveyor and travels between the upper and lower row of circular blades.

As soon as the rotating blades grip the board, it is drawn into the machine and the panels are separated by pressure on the remaining material in the scoreline. A conveyor belt transports the separated panels out of the machine. These can then be removed by hand or continue on down the assembly line via conveyor.

During manual unloading, a light sensor at the end of the conveyor can detect if any panels have not been removed and stop the conveyor. The edge margin pieces pass underneath the sensor and drop into a container situated at the end of the conveyor belt.

The clearance between the upper and lower blades can be precisely adjusted by moving the upper drive shaft. The upper and lower blade sets are mounted on shafts which are held in a removable cartridge. To change blades for a different production run takes about 15 minutes. Remove and replace the blade holder cartridge with the new one. Reset the input conveyor for the new panel size and the machine is ready to singulate the next run.

Order Information -Base Units	
00-5000KT	Depanelizer with tray output and 2 blade cartridge.
00-5000KS14	Depanelizer with straight conveyor output and 2 blade cartridge
00-5000KSR	Depanelizer with right angle conveyor and 2 blade cartridge.

Order Information -Cartridges & Blades	
00-5020K	Universal 2 blade set cartridge.
00-5001K	Standard blade holder cartridge.
00-5002K	Upper blade shaft.
00-5003K	Lower blade shaft.
00-5004K	Blades for K5000.

### Specifications

Size: HWD 47"x43"x30"  
Weight: 220 lbs  
Power Supply: Universal 115V-220V

Singulate panels with up to 10 scorelines.

Singulate panels with components up to 2.5"

3 models available

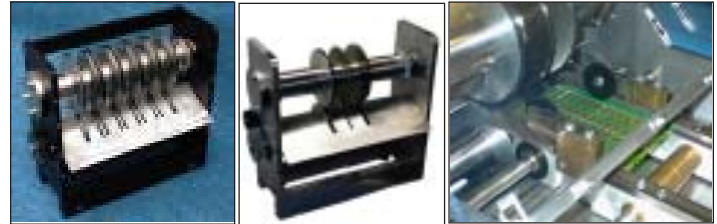
- Output tray
- Straight output conveyor
- Right angle output conveyor



Adjustable quick change blade holder cartridge.



00-5000KSR  
Depanelizer with right angle conveyor and simple support table.



There are 3 variations of the base unit available: 1.) with simple output tray, 2.) with straight output conveyor and 3.) with right angle conveyor. Options include a table with vacuum dust extraction provisions. The standard units are quoted including a simple support table.

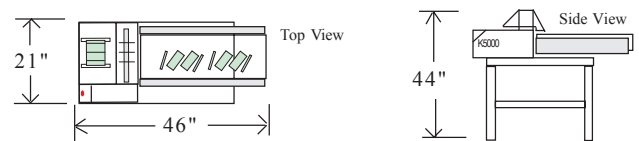
The base price of the K5000 depanelizer includes one blade cartridge with 2 blade sets. This also includes the standard support table and the input conveyor and output method: 1.)Tray 2.)Straight or 3.)Right angle conveyor.

### Dimensions

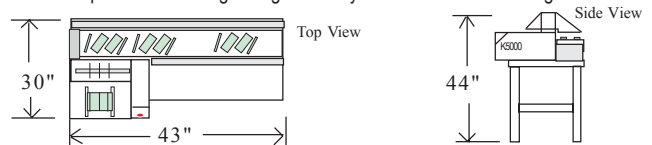
00-5000KT Depanelizer with tray output and 2 blade cartridge.



00-5000KS14 Depanelizer with straight conveyor output and 2 blade cartridge



00-5000KSR Depanelizer with right angle conveyor and 2 blade cartridge.



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