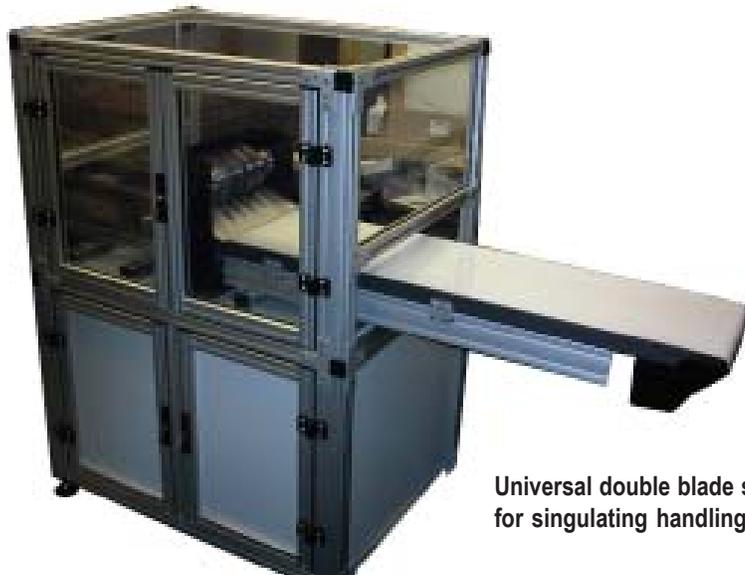


# K6000 In Line Multiple Blade Depanelizer

**Fully automated singulation of up to 10 panels.**



Universal double blade set cartridge for singulating handling strips

**Singulate Panels with up to 10 Scorelines.**

**Process PCBs with Components up to 2.5" High.**

**Integrated Input and Output Conveyors.**

**Output Conveyor with Loaded Board Detector.**

**Quick Change Blade Holder Cartridge.**

**SMEMA Interface.**

**Micrologix Controller.**



The K6000 in line depanelizer has been developed to singulate up to 10 panels in one pass. With a Micrologix controller and SMEMA interface the machine automatically accepts PCB panels from your assembly line output conveyor or automatic board feeder. Singulated panels output to an ESD-safe flat belt conveyor for manual removal.

PCB singulation blades are mounted in a quick change cartridge for fast setup from one panel type to the next. 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 fed from your in-line conveyor or automatic board feeder onto the input conveyor of the K6000. The Micrologix controller is programmed to run one board at a time. SMEMA interface indicates to your input system when the next panel can be accepted.

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.

**Built in vacuum extraction channels** provide for attachment of a dust extraction unit of your choice. Dust extraction units are quoted separately.

**Specifications**

Size: HWD 54x81x28". 137x205x71 cm)  
Power : 110/240 Universal  
Weight: 400 lbs

Order Information	
01-6000K	In Line Depanelizer
00-6001K	Blade Holder Cartridge
00-5002K	Upper Blade Shaft
00-6003K	Lower Blade Shaft
00-5004K	Blades for K5000 and K6000

The upper and lower blade sets are mounted on shafts which are held in a removable cartridge. The clearance between the upper and lower blades can be precisely adjusted by moving the upper drive shaft. 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.

**Light sensors on the output conveyor** check if the conveyor is full. Condition yellow on the status lights indicates that the operator needs to remove panels from the output conveyor. The red, yellow and green warning lights indicate the operating status of the machine.

**Blade Cartridges.**

