

Product Model: S-D600 Moveable V-cut PCB Separator



Technical Specifications:

Machine size: 950mm*340mm*430mm

PCB thickness: 0.2-3.0mm

Board feeding speed: 300-500mm/second:

Blade material: SKD61 high speed steel

Working temperature: 10-35°C

Storage temperature: -20-50°C

Power supply: 230V/110V,50HZ/60HZ,40W

Machine weight: 40KG

Product Features:

The guillotine-type PCB separator is an electrically operated machine designed for separating PCBs and aluminum substrates, utilizing an upper circular blade and a lower straight blade.

During the separation process, the PCB is secured in the V-groove and controlled by a foot switch to activate the upper blade for cutting.

The equipment employs a stepper motor drive, capable of separating various large or small PCBs with pre-scored grooves.

The standard separation length is a maximum of 600mm, and customizations can be made for sizes beyond this range.

The travel distance of the upper circular blade (i.e., separation length) can be pre-set, with options between 0, 150, 300, 450, and 600mm.

The cutting speed can be freely switched between 300mm/s and 500mm/s.

The gap between the upper and lower blades can be easily adjusted by rotating a knob.

The operation is safe, with a protective blade on the circular blade to prevent injuries. It is also equipped with a safety sensing device that stops the guillotine if hands or foreign objects enter the working area.

The upper circular blade and lower straight blade are made from high-speed steel SKH-9 imported from Japan, ensuring durability and a long service life. The small separation stress prevents solder joint cracking.

PCB thickness that can be separated: 0.5mm-3.0mm.

Remaining PCB thickness at the V-groove: Standard 1/3 of PCB thickness, MIN 0.2mm, MAX 0.8mm.

V-groove depth (C): Minimum 0.25mm. External dimensions added after separation: 0.1mm-0.2mm.

Applications: Suitable for cutting various PCBs with V-grooves, SMT circuit boards, aluminum substrates, LED circuit boards, and LED light strips. The process ensures clean edges, excellent results, high speed, and does not damage components on the circuit board. The imported high-speed steel blades have a long service life, making it ideal for the LED industry, SMT industry, mobile phone/MP3 industry, electric toy industry, and various electronics industries using circuit boards.

For special specifications of PCBs, customization can be provided based on requirements. The equipment body is made of imported 45# steel, and the surface is coated with a special paint process, ensuring durability and resistance to scratches and peeling.

