

SLD-series SMT magazine NG / OK Unloader

Description:

The NG/OK Automatic Unloader is designed for unloading of PCBs after the AOI or other inspection system, an arriving PCB is taken up by the attached conveyor and then pushed into the magazine by a specially designed pusher.

The machine is designed with the capability to distinguish the NG /OK PCBs according the signal from the upstream inspection machine, and introduce the NG/OK PCBs into the different magazine accordingly by a shuttle conveyor

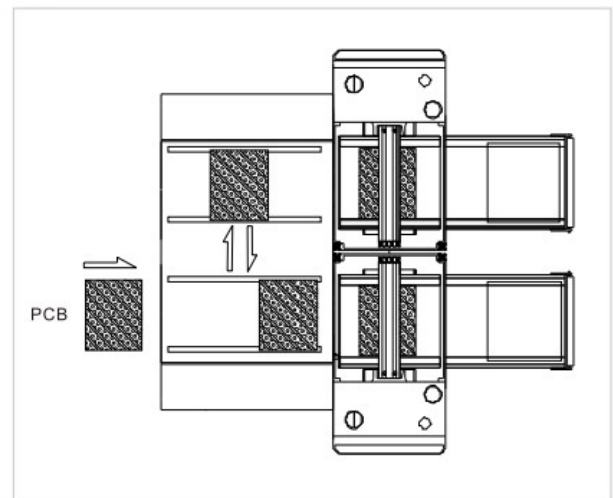
- Touch screen with user-friendly control mode and English language;
- Good or bad board separation
- Multi function sound and signal light alarm tower;
- Conveyor width adjustment using hand wheel.
- Panasonic or Mitsubishi PLC control + OMRON sensors
- Pitch selectable: 10.20.30.40mm pitch or specify ;
- PCB components space available: up 30mm, down 20mm;
- Magazine racks capacity: top one and down two magazine;
- Automatic motorized pusher to protect the safety transfer the PCB into the magazine
- Magazine rack 50 slots
- Self diagnostic Error Code display.
- AirTec pneumatic clamps to secure magazine rack pressure regulated.
- Flexible platform to suit standard magazines.
- Regulated pressure on attached pneumatic .
- Pusher position adjustable to center of the magazine.
- Automatic magazine alignment by upper and lower pneumatic clamping.
- SMEMA compatible.



Technical specifications

- Transport height: 900mm ±20mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Conveyor concept: ESD Flat belts
- Belts speed: 0-10m/min adjustable
- PCB edge support: 3mm
- Power supply: 220 VAC/50 /60Hz/1 Ph
- Power consumption:500VA max. or specify
- Air supply: 5 –6 bar
- Air consumption:10 ltr/min max.
- PCB unloading time: around 10 seconds
- Magazine change-over time: 30 seconds
- Magazine capacity: each track with top one magazine and down 2 magazine
- Max. total magazine weight : 50kg each or specified

Schematic



Model	SLD-3BM	SLD-3BL	SLD-3BXL
PCB Size (mm)	80 x 50~330x250	80 x 50~460 x 330	80 x 50~510 x 390
Dimension (mm) (L)*(W)*(H)	1510×1460×1200mm	1910×1630×1200mm	2160×1760×1200mm
Magazine Size (mm)	355 x 320 x 565	460 x 400 x 565	535 x 460 x 570
Capacity	Up: 1 racks; Down: 2 racks		
Conveyor height	900mm+/-20mm		
Magazine change time	Around 30sec		
PCB direction	Left to right (Optional: R to L)		
Pitch selective	10,20,30,40,50(mm)		
Power supply	Single phase,220V,50/60 Hz		
Power consumption	500VA max. or specify		
Communication	International standard SMEMA signal interfere		
Air supply	5-7kg/cm2		
Machine weight	320KG	350KG	380KG