About us
Over the past 20 years in China SMT has grown from zero to a mature significant industry. At the same time, the overseas branded machines have been replaced by local “made in China” machines. From simple PCB handling conveyors to reflow ovens, stencil printers, AOI and SPI, wave solder, soldering robots, selective soldering and conformal coating materials and machines, potting, and dispensing machines. This storm has swept to pick&place machines, which is the core of SMT line, where today 90% of LED manufactures in China are using the LED pick&place machines made in China. Under these circumstances, our company has been formed, with a focus on overseas markets.

1Clicksmt ’s PCB handling products are used to connect process equipment (screen printers, P&P machine, reflow ovens, Inspection system, test equipment etc.) , Each unit of KnewteK has an on-board control system which allows it to function independently. The unit can be linked to others in the system by utilizing their upstream and downstream SMEMA communications. All units have ESD safe designs and are CE marked.

With experienced engineering team, provide customer installation & training & service, With spare parts stock in Europe and USA local team, customer can enjoy a quick supporting in future.
Variety of in-line SMT production solutions with Knewtek products

SMT Production Lines

- Economic SMT Production Line
- Medium-Volume SMT Production Line
- High-Volume Fully Automatic SMT Production Line
- Automated Optical Inspection Line
- 2 SMT Production Lines Share 1 Reflow Oven
- 3 SMT Production Lines Share 1 Reflow Oven
- Dual Rail SMT Production Line

If you want detailed information like production dimension, specification and description about our SMT production solution, please send your requirement to info@1clickmachine.com, and if you want to specify your SMT production solution, we can offer you a customized solution too.
PCB Handling Machines
Inspection Conveyor Series

CYB 330L • CYB 460XL

Descriptions

The inspection conveyor is used when frequent visual inspection of PCB’s is required in the PCB assembly line.

Standard features
- Pannasonic PLC Program control.
- Overhead LED lighting.
- Start / Stop push button.
- Anti-static conveyor belt.
- Centre PCB stop position.
- Easy way of belt replacement.
- Work and by-pass mode selectable.
- Heavy bottom design to prevent shifting.
- PCB precise stopping in position.
- Smooth and parallel width adjustment.(lead screw)
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 120VA max.
- Load bearing: 1.5kg/PCB

Options
- Non standard conveyor / segment lengths.
- Electrical width adjustment.
- Dust cover.(customized length)
- Cooling system.(0.5m long 4 fans / 1m long 8 fans or specify)
- Other options available on request.

Structure

Schematic

Standard lengths (B): 500 , 600 , 1000 , 1500 , 2000 .

Machine Dimension (L x W x H) CYB330L (B) CYB460XL (B)
(B) x 750 x 920 (B) x 850 x 920
Weight 70-100kg 90-130kg
PCB length 50mm - 445mm 50mm - 457mm
PCB width 50mm - 330mm 50mm - 460mm
PCB Thickness 0.6mm – 4.5mm 0.6mm – 4.5mm
Fixed rail to front dimension(A) 230mm 230mm

* Customized is available
PCB Handling Machines

Linking Conveyor Series

CYA 330L • CYA 460XL

Descriptions

This unit is used to link between production machines or board handling units.

Standard features

- Pannasonic PLC Program control.
- Start / Stop push button.
- Anti-static conveyor belt.
- Easy way of belt replacement.
- Heavy bottom design to prevent shifting.
- PCB precise stopping in position.
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply*: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Load bearing: 1.5kg/PCB

Options

- Non standard conveyor / segment lengths.
- Electrical width adjustment.
- Dust cover (customized length)
- Cooling system (0.5m long 4 fans / 1m long 8 fans or specify)
- Other options available on request.

Structure

Schematic

<table>
<thead>
<tr>
<th>Standard lengths (B): 500, 600, 1000, 1500, 2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
</tr>
<tr>
<td>CYA330L (B)</td>
</tr>
<tr>
<td>CYA460XL (B)</td>
</tr>
<tr>
<td>(B) x 695 x 920</td>
</tr>
<tr>
<td>(B) x 810 x 920</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>50-80kg</td>
</tr>
<tr>
<td>80-110kg</td>
</tr>
<tr>
<td>PCB length</td>
</tr>
<tr>
<td>50mm - 445mm</td>
</tr>
<tr>
<td>50mm - 457mm</td>
</tr>
<tr>
<td>PCB width</td>
</tr>
<tr>
<td>50mm - 330mm</td>
</tr>
<tr>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
</tr>
<tr>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension (A)</td>
</tr>
<tr>
<td>230mm</td>
</tr>
<tr>
<td>230mm</td>
</tr>
</tbody>
</table>

* Customized is available

Back to content
This unit is used to link between production machines or board handling units.

**Standard features**
- Pannasonic PLC Program control.
- Start / Stop push button.
- Anti-static conveyor belt.
- Centre PCB stop position.
- Easy way of belt replacement.
- Inspect and by-pass mode selectable.
- Sturdy structure offers reliable operation in demanding production.
- PCB precise stopping in position.
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible.

**Technical specifications**
- Transport height: 900mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Load bearing: 1.5kg/PCB

**Options**
- Light fixture.
- Additional working table.
- Non standard conveyor / segment lengths.
- Electrical width adjustment (control by button)
- Automatic width adjustment. (set in touchscreen)
- Dust cover. (customized length)
- Cooling system. (0.5m long 4 fans / 1m long 8 fans or specify)
- Other options available on request.

**Standard features**
- Pannasonic PLC Program control.
- Start / Stop push button.
- Anti-static conveyor belt.
- Centre PCB stop position.
- Easy way of belt replacement.
- Inspect and by-pass mode selectable.
- Sturdy structure offers reliable operation in demanding production.
- PCB precise stopping in position.
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible.

**Technical specifications**
- Transport height: 900mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Load bearing: 1.5kg/PCB

**Options**
- Light fixture.
- Additional working table.
- Non standard conveyor / segment lengths.
- Electrical width adjustment (control by button)
- Automatic width adjustment. (set in touchscreen)
- Dust cover. (customized length)
- Cooling system. (0.5m long 4 fans / 1m long 8 fans or specify)
- Other options available on request.

**Standard lengths (B): 500, 600, 1000, 1500, 2000.**

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>CYX330L (B)</th>
<th>CYX460XL (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(B) x 750 x 920</td>
<td>(B) x 880 x 920</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>85-100kg</td>
<td>95-110kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 445mm</td>
<td>50mm - 457mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 330mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>180mm</td>
<td>180mm</td>
</tr>
</tbody>
</table>

* Customized is available
Descriptions
The unit installed after AOI for separated NG board for visual inspect and good board will pass through without stopping.

Standard features
- Panasonic PLC Program control.
- Start / Stop push button.
- Anti-static conveyor belt.
- Centre PCB stop position.
- Touchscreen control panel.
- Easy way of belt replacement.
- Reject and by-pass mode selectable.
- Heavy bottom design to prevent shifting.
- PCB precise stopping in position.
- Smooth and parallel width adjustment (lead screw).
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Load bearing: 1.5kg/PCB
- Buffering capacity: 1 PCB or specify.

Options
- Automatic width adjustment (set in touchscreen)
- Light fixture with tower light
- Additional lift positions for extra buffer capacity
- Other options available on request.

Standard lengths (B): 500, 600, 1000, 1500, 2000

<table>
<thead>
<tr>
<th>Standard lengths (B):</th>
<th>CYC330L (B)</th>
<th>CYC460XL (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>(B) x 739 x 960</td>
<td>(B) x 950 x 960</td>
</tr>
<tr>
<td>Weight</td>
<td>70-90kg</td>
<td>90-115kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 457mm</td>
<td>50mm – 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 330mm</td>
<td>50mm – 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm – 4.5mm</td>
<td>0.6mm – 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>230mm</td>
<td>230mm</td>
</tr>
</tbody>
</table>

* Customized is available
PCB Handling Machines
High Version Reject Conveyor Series

CYCX 330L • CYCX 460XL

Descriptions
The unit installed after AOI for separated NG board for visual inspect and good board will pass through without stopping.

Standard features
- Pannasonic PLC Program control.
- Start / Stop push button.
- Anti-static conveyor belt.
- Centre PCB stop position.
- Touchscreen control pannel.
- Easy way of belt replacement.
- Reject and by-pass mode selectable.
- Heavy bottom design to prevent shifting.
- PCB precise stopping in position.
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Load bearing: 1.5kg/PCB
- Buffering capacity: 1 PCB or specify.

Options
- Automatic width adjustment (set in touchscreen)
- Light fixture with tower light
- Additional lift positions for extra buffer capacity.
- Other options available on request.

Standard lengths (B): 500 , 600 , 1000 , 1500 , 2000

<table>
<thead>
<tr>
<th>Standard lengths (B)</th>
<th>CYCX330L (B)</th>
<th>CYCX460XL (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>(B) x 750 x 960</td>
<td>(B) x 880 x 960</td>
</tr>
<tr>
<td>Weight</td>
<td>70-100kg</td>
<td>90-130kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm – 445mm</td>
<td>50mm – 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm – 330mm</td>
<td>50mm – 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm – 4.5mm</td>
<td>0.6mm – 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>180mm</td>
<td>180mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Telescopic Conveyor Series

CYT 330L • CYT 460XL

Descriptions

The unit provides a 'normal open' passage in a PCB assembly line. An integrated conveyor segment slides across the opening to deliver PCB to downstream machine.

Standard features

- Pannasonic PLC Program control.
- Fully enclosed design.
- Normal Opened
- Electrically driven for smooth extension and retraction.
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Machine cycle time: ± 16 seconds
- Passageway: 750mm or specify
- Load bearing: 1.5kg/PCB

Options

- Passageway length is customized
- Automatic width adjustment (set in touchscreen).
- Normal closed operation (750 mm passageway)
- Other options available on request.

<table>
<thead>
<tr>
<th></th>
<th>CYT330L</th>
<th>CYT460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (extended) (L x W x H)</td>
<td>1500 x 730 x 1300</td>
<td>1500 x 860 x 1300</td>
</tr>
<tr>
<td>Weight</td>
<td>150kg</td>
<td>180kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 457mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 330mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>258mm</td>
<td>258mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Lowering Gate Conveyor Series

CYG 330L • CYG 460XL

Descriptions
This unit is used when a passage way is required in a production line.

Standard features
- Panasonic PLC Program control.
- Locking cylinder to avoid opening during PCB transfer.
- Ergonomic air pressure supported opening and closing.
- Automatically gate lifting down by push button.
- Smooth and parallel width adjustment.(lead screw)
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Machine cycle time: ± 16 seconds
- Passageway: 600mm or specify
- Air supply: 4-6 bar
- Air consumption: 35 ltr /lift max.
- Load bearing: 1.5kg/PCB

Options
- Electrical width adjustment.
- Passageway length is customized
- Other options available on request.

<table>
<thead>
<tr>
<th></th>
<th>CYG330L</th>
<th>CYG460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension</td>
<td>1300 x 560 x 1250</td>
<td>1300 x 720 x 1250</td>
</tr>
<tr>
<td>Weight</td>
<td>180kg</td>
<td>230kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 445mm</td>
<td>50mm – 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 330mm</td>
<td>50mm – 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm – 4.5mm</td>
<td>0.6mm – 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front</td>
<td>86mm</td>
<td>86mm</td>
</tr>
</tbody>
</table>

* Customized is available
Manual Lift Gate Conveyor Series

Descriptions

By manual lifting the conveyor section, access is gained to the rear of the line.

Standard features

- Pannasonic PLC Program control.
- Locking cylinder to avoid opening during PCB transfer.
- Ergonomic air pressure supported opening and closing.
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Components clearance: Bottom 30 mm or specify
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 100VA max. or specify
- Machine cycle time: ± 16 seconds
- Passageway: 600mm or specify
- Air supply: 4-6 bar
- Air consumption: 35 ltr/lift max.
- Load bearing: 1.5kg/PCB

Options

- Passageway length is customized
- Electrical width adjustment.
- Other options available on request.

<table>
<thead>
<tr>
<th></th>
<th>CYM330L</th>
<th>CYM460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (extended) (L x W x H)</td>
<td>1000 x 800 x 1310</td>
<td>1000 x 980 x 1310</td>
</tr>
<tr>
<td>Weight</td>
<td>180kg</td>
<td>230kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 330mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>190mm</td>
<td>190mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Single Magazine Loader Series
LDA 250M • LDA 330L • LDA 390LL • LDA 460XL

**Descriptions**
The unit loads your production line automatically by pushing PCB’s out of a magazine onto the conveyor of the downstream machine.

**Standard features**
- Panasonic PLC Program control.
- Selectable pitch settings.
- Flexible platform to suit standard magazines.
- Exchange magazine from the rear of the machine.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- User friendly “soft touch” LED membrane control panel.
- Magazine is manually placed on the platform and clamped in position.
- SMEMA compatible.

**Technical specifications**
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 240VA max. or specify
- Air supply: ≥6 bar
- Air consumption: 10 ltr/min max.
- PCB loading time: ±6 seconds
- Pitch distance: 10.20.30.40mm pitch or specify.
- Total number of magazines: * 1 magazine on the lifter platform.
  * or specify

**Options**
- Touchscreen instead of button panel.
- Other options available on request.

### Structure

**Schematic**

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>LDA250M</th>
<th>LDA330L</th>
<th>LDA390LL</th>
<th>LDA460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>900 x 1150 x 1250</td>
<td>120kg</td>
<td>140kg</td>
<td>160kg</td>
<td>180kg</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x 563</td>
<td>460 x 400 x 563</td>
<td>535 x 460 x 573</td>
<td>535 x 530 x 570</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>330mm</td>
<td>330mm</td>
<td>330mm</td>
<td>330mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Multi Magazine Loader Series
LDB 250M • LDB 330L • LDB 390LL • LDB 460XL

Descriptions
The unit loads your production line automatically by pushing PCB’s out of the magazine onto the conveyor of the downstream machines. Full magazines are inserted at an ergonomic low level.

Standard features
- Panasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Automatic magazine change-over.
- Flexible platform to suit standard magazines.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- User friendly “soft touch” LED membrane control panel.
- Automatic magazine alignment by upper and lower pneumatic clamping.
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 350VA max. or specify
- Air supply: ≥6 bar
- Air consumption: 10 ltr/min max.
- PCB loading time: ±6 seconds
- Magazine change-over time: ±30 seconds
- Pitch distance: 10.20.30.40mm pitch or specify.
- Total number of magazines: * 1 magazine on the lift platform.
* 1 empty magazine on the upper magazine conveyor
* 2 full magazines on the lower magazine conveyor
* or specify

Options
- Width adjustable magazine conveyor(s).
- Additional magazine capacity.
- Touchscreen instead of button panel.
- Enclosed construction improve level of safety
- Other options available on request.

<table>
<thead>
<tr>
<th>Structure</th>
<th>Schematic</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDB250M LDB330L LDB390LL LDB460XL</td>
<td>Machine Dimension (L x W x H)</td>
</tr>
<tr>
<td>1330 x 765 x 1250</td>
<td>1650 x 845 x 1250</td>
</tr>
<tr>
<td>1600 x 910 x 1250</td>
<td>1800 x 970 x 1250</td>
</tr>
<tr>
<td>220kg</td>
<td>240kg</td>
</tr>
<tr>
<td>240kg</td>
<td></td>
</tr>
</tbody>
</table>

* Customized is available
Dual Magazine Line Loader Series

The unit loads your dual-track production line automatically by pushing PCB’s out of a magazine onto the conveyor of the downstream machine.

Descriptions

- Pannasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Ball screw driven positioning of shuttle conveyor.
- Flexible platform to suit standard magazines.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- User friendly “soft touch” LED membrane control panel.
- Automatic magazine alignment by upper and lower pneumatic clamping.
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 16m/min
- PCB edge support: 3mm
- Components clearance: Top 30 mm, bottom 30 mm (depends on pitch)
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 350VA max. or specify
- Air supply: ≥6 bar
- Air consumption: ≥10 ltr/min max.
- PCB loading time: ±15 seconds
- Magazine change-over time: ±30 seconds
- Pitch distance: 10, 20, 30, 40mm pitch or specify.
- Maximum total magazine weight: 50 kg each * or specify

Options

- Width adjustable magazine conveyor(s).
- Additional magazine capacity.
- Touchscreen instead of button panel.
- Enclosed construction improve level of safety
- Other options available on request.

Structure

- Options
  - Width adjustable magazine conveyor(s).
  - Additional magazine capacity.
  - Touchscreen instead of button panel.
  - Enclosed construction improve level of safety
  - Other options available on request.

<table>
<thead>
<tr>
<th>Structure</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width adjustable magazine conveyor(s).</td>
</tr>
<tr>
<td></td>
<td>Additional magazine capacity.</td>
</tr>
<tr>
<td></td>
<td>Touchscreen instead of button panel.</td>
</tr>
<tr>
<td></td>
<td>Enclosed construction improve level of safety</td>
</tr>
<tr>
<td></td>
<td>Other options available on request.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>LDE250M</th>
<th>LDE330L</th>
<th>LDE390LL</th>
<th>LDE460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x 563</td>
<td>460 x 400 x 563</td>
<td>535 x 460 x 573</td>
<td>535 x 530 x 570</td>
</tr>
<tr>
<td>Fixedrail to front dimension(A)</td>
<td>340mm</td>
<td>340mm</td>
<td>340mm</td>
<td>340mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Vacuum board Loader Series

LDV 330L • LDV 460XL

Descriptions

The unit is designed for automatic loading of unpopulated PCB’s onto the line using suction cups. The top PCB is lifted from stack and lowered onto belt segment.

Standard features

- Panasonic PLC Program control.
- Large stock capacity.
- Empty stack sensor.
- Flexible suction cup positioning.
- Convenient front door stack loading.
- Towerlight display for machine status.
- Smooth and parallel width adjustment (lead screw)
- By-pass mode selectable without removing PCB stack.
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD belt (round or flat)
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 150VA max
- Air supply: 4-6 bar
- Air consumption: 10 ltr/min max.
- Diameter suction pads: 15mm or specify
- PCB thickness capability: 0.6-4.0mm
- PCB stock capability: 150mm or specify

Options

- Automatic width adjustment.
- Alternative suction cup size.
- Cantilevered output conveyor (length 100 mm).
- Other options available on request.

<table>
<thead>
<tr>
<th></th>
<th>LDV330L</th>
<th>LDV460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>550 x 940 x 2080</td>
<td>700 x 1100 x 2080</td>
</tr>
<tr>
<td>Weight</td>
<td>200kg</td>
<td>240kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 400mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 330mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.0mm</td>
<td>0.6mm - 4.0mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>470mm</td>
<td>470mm</td>
</tr>
</tbody>
</table>

* Customized is available

Back to content
1Clicksmt PCB Handling Machines
Vacuum and magazine combo loader

LDC 250M • LDC 330L • LDC 390LL • LDC 460XL

Descriptions
The unit loads your production line automatically and it is equipped with two PCB loading modes and especially suitable for single-line mode which processes double-sided PCBs.

Standard features
- Panasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Binding function of vacuum loader and magazine loader.
- Vacuum loading, Magazine loading and alternated mode selectable.
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 500VA max. or specify
- Air supply: ≥6 bar
- Air consumption: 10 ltr/min max.
- PCB loading time: ≤6 seconds
- Magazine change-over time: ≤30 seconds
- Pitch distance: 10, 20, 30, 40 mm pitch or specify.
- Diameter suctopm pads: 15 mm or specify
- PCB thickness capability: 0.6-4.5mm
- PCB stock capability: 125mm or specify
- Total number of magazines:
  * 1 magazine on the lifter platform.
  * 1 empty magazine on the upper magazine conveyor
  * 1 full magazine on the lower magazine conveyor
  * or specify

Options
- Alternative suction cup size.
- Additional magazine capacity.
- Touchscreen instead of button panel.
- Enclosed construction improve level of safety
- Other options available on request.

Structure

Schematic

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>LDC 250M</th>
<th>LDC 330L</th>
<th>LDC 390LL</th>
<th>LDC 460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>1450 x 765 x 1520</td>
<td>1850 x 845 x 1520</td>
<td>2060 x 925 x 1520</td>
<td>2060 x 970 x 1520</td>
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<tr>
<td>Weight</td>
<td>210kg</td>
<td>290kg</td>
<td>310kg</td>
<td>370kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>90mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x 563</td>
<td>460 x 400 x 563</td>
<td>535 x 460 x 573</td>
<td>535 x 530 x 570</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>340mm</td>
<td>340mm</td>
<td>340mm</td>
<td>340mm</td>
</tr>
</tbody>
</table>

* Customized is available
Destacker Series

A large stack of unpopulated PCB's is placed above the ESD belt conveyor. Unique separation cams take one PCB from the bottom of the stack and lowers it onto the ESD belt conveyor.

Descriptions

- Customized is available

LDD 460XL

Standard features

- Pannasonic PLC Program control.
- Short PCB cycle time.
- Thin PCB capability.
- Uninterrupted PCB charging.
- Pre-warning low stack sensor.
- Towerlight display for machine status.
- Smooth and parallel width adjustment (lead screw).
- By-pass mode selectable without removing PCB stack.
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 150VA max
- Air supply: 4-6 bar
- Air consumption: 10 ltr/min max.
- PCB cycle time: ±10 seconds
- PCB thickness capability: 0.8-4.0mm
- PCB stock capability: 150mm or specify

Options

- Automatic width adjustment (set in touchscreen)
- Extension for convenient stack loading.
- Cantilevered input - or output conveyor (length 100 mm)
- Specific destacker for bare board unloading.
- Other options available on request.

Machine Dimension (L x W x H) 600 x 1035 x 1255
Weight 250kg
PCB length 50mm - 530mm
PCB width 50mm - 460mm
PCB Thickness 0.8mm - 4.0mm
Fixed rail to front dimension (A) 234mm

Optional Auto width adjustment
1Clicksmt PCB Handling Machines
1.5m LED Vacuum Loader & Unloader

LED-V150FLEX

Descriptions
The unit is designed for automatic loading of unpopulated LED board's onto the line using suction cups. The top PCB is lifted from stackand lowered onto belt segment. Also it can be used as a bare board unloader.

Standard features
- Panasonic PLC Program control.
- Large stock capacity.
- Empty stack sensor.
- Flexible suction cup positioning.
- Convenient front door stack loading.
- Towerlight display for machine status.
- Automatic width adjustment.
- Auto-correct feature to ensure board lowering onto belt smoothly.
- By-pass mode selectable without removing PCB stack.
- SMEMA compatible.

Customized function
- 10mm PCB edge support.
- Safty relay to meet CE requirement.
- Load / unload mode can be switched on touchscreen.
- Converying speed & timeout can set on touchscreen.
- Data exchange and communication with other our machines.

Technical specifications
- Transport height: 950mm ±20mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD belt (flat belt)
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 10mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 180VA max
- Air supply: 4-6 bar
- Air consumption: 30 ltr/min max.
- Diameter suction pads: 60mm or specify
- PCB thickness capability: 0.6-4.0mm
- PCB stock capability: 200mm or specify

Machine Dimension (L x W x H) 1750 x 1400 x 1250
Weight 200kg
PCB length 150mm - 1500mm
PCB width 150mm - 500 mm
PCB Thickness 0.6mm - 4.0mm

* Customized is available
1. **Single Magazine Unloader Series**

**ULDA 250M • ULDA 330L • ULDA 390XL • ULDA 460XL**

---

### Descriptions

*The PCB's are collected from upstream machine using attached conveyor and pushed into the magazine.*

### Standard features

- Pannasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Flexible platform to suit standard magazines.
- Exchange magazine from the rear of the machine.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- User friendly “soft touch” LED membrane control panel.
- Magazine is manually placed on the platform and clamped in position.
- SMEMA compatible.

### Technical specifications

- **Transport height:** 900mm ±30mm
- **Transfer direction:** Left to right
- **Operation side:** Front of the machine
- **Fixed rail:** Front of the machine
- **Interface:** SMEMA
- **Conveyor concept:** ESD flat belt
- **Belt speed:** 16m /min
- **PCB edge support:** 3mm
- **Components clearance:** Top 30 mm, bottom 30 mm (depends on pitch)
- **Power supply:** 230 VAC/50 Hz/1 Ph
- **Power consumption:** 350VA max. or specify
- **Air supply:** ≥6 bar
- **Air consumption:** 10 ltr/min max.
- **PCB unloading time:** ±6 seconds
- **Pitch distance:** 10,20,30,40mm pitch or specify
- **Total number of magazines:** * 1 magazine on the lifter platform.
  * or specify

### Options

- Touchscreen instead of button panel.
- Other options available on request.

---

**Structure**

![Structure Diagram](image)

**Schematic**

![Schematic Diagram](image)

---

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>ULDA250M</th>
<th>ULDA330L</th>
<th>ULDA390LL</th>
<th>ULDA460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>200kg</td>
<td>220kg</td>
<td>240kg</td>
<td>260kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x 563</td>
<td>460 x 400 x 563</td>
<td>535 x 460 x 570</td>
<td>535 x 530 x 570</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>372mm</td>
<td>372mm</td>
<td>372mm</td>
<td>372mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Multi Magazine Unloader Series

Multi Magazine Unloader Series

The unit provides automatic magazine change-over for continuous line unloading. PCB’s are collected from an upstream pusher conveyor and pushed into the magazine. Full magazines are offloaded at an ergonomic low level.

Standard features
- Pannasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Automatic magazine change-over
- Flexible platform to suit standard magazines.
- Conveyor width adjustment using hand crank.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- User friendly “soft touch” LED membrane control panel.
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer concept: ESD belt (round or flat)
- Belt speed: 16m/min
- PCB edge support: 3mm
- Components clearance: Top 30 mm, bottom 30 mm
- (depends on pitch)
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 350VA max. or specify
- Air supply: ≥6 bar
- Air consumption: 10 ltr/min max.
- PCB unloading time: ±6 seconds
- Pitch distance: ± 10, 20, 30, 40 mm pitch or specify.
- Magazine change-over time: ± 30 seconds
- Total number of magazines: * 1 magazine on the lifter platform.
- * 1 empty magazine on the upper magazine conveyor
- * 2 full magazines on the lower magazine conveyor * or specify

Options
- Additional magazine capacity.
- Touchscreen instead of button panel.
- Enclosed construction improve level of safety.
- Width adjustable magazine conveyor(s).
- Other options available on request.

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>ULDB250M</th>
<th>ULDB330L</th>
<th>ULDB390LL</th>
<th>ULDB460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>160kg</td>
<td>190kg</td>
<td>230kg</td>
<td>260kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x 563</td>
<td>460 x 400 x 563</td>
<td>535 x 460 x 570</td>
<td>535 x 530 x 570</td>
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<tr>
<td>Fixed rail to front dimension(A)</td>
<td>364mm</td>
<td>364mm</td>
<td>364mm</td>
<td>364mm</td>
</tr>
</tbody>
</table>

* Customized is available

Back to content
1Clicksmt PCB Handling Machines
NG OK Magazine Unloader Series

ULDC 250M • ULDC 330L • ULDC 390LL • ULDC 460XL

Descriptions
The PCB's are collected from upstream machine onto a shuttle conveyor and pushed into designated magazine. Shuttle conveyor moves sideways between upstream machine and magazines.

Standard features
- Pannasonic PLC Program control.
- Selectable pitch settings
- Good or bad board separation.
- Unique guide rail driven positioning of shuttle conveyor.
- Towerlight display for machine status.
- Additional magazines buffering capacity available upon request.
- Conveyor width adjustment using hand wheel.
- Automatic magazine alignment by upper- and lower pneumatic lamping.
- Regulated pressure on attached pneumatic pusher.
- User friendly “soft touch” LED membrane control panel.
- Pusher position adjustable to centre of the magazine.
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 16m/min
- PCB edge support: 3mm
- Components clearance: Top 30 mm, bottom 30 mm (depends on pitch)
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 500VA max. or specify
- Air supply: 4-6 bar
- Air consumption: 10 ltr/min max.
- PCB unloading time: ± 10 seconds
- Magazine change-over time: ± 30 seconds
- Pitch distance: 10.20.30.40mm pitch or specify.
- Max. total magazine weight: 50 kg each

Options
- Automatic width adjustment for shuttle conveyor.
- Additional magazine capacity.
- Touchscreen instead of button panel.
- Enclosed construction improve level of safety.
- Other options available on request

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>ULDC250M</th>
<th>ULDC330L</th>
<th>ULDC390LL</th>
<th>ULDC460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>220kg</td>
<td>320kg</td>
<td>380kg</td>
<td>400kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x560</td>
<td>460 x 400 x 560</td>
<td>535 x 460 x 570</td>
<td>535 x 530 x 570</td>
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<tr>
<td>Fixed rail to front dimension(A)</td>
<td>367mm</td>
<td>367mm</td>
<td>367mm</td>
<td>367mm</td>
</tr>
</tbody>
</table>

* Customized is available
1.5m LED Board Unloader With Trolley

**Descriptions**
The LED boards are collected from upstream machine using attached roller conveyor and boards are pushed into the trolly. Operator can take out the full trolly from the rear of machine.

**Standard features**
- Pannasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Flexible stocker car easy to transport.
- Lifting platform drive by servo motor.
- Exchange stocker car from the rear of the machine.
- User friendly “touch screen” control panel.
- The PCB’s are transferred by durable rollers.
- Stocker car is manually placed and clamped in position.
- SMEMA compatible.

**Technical specifications**
- Transport height: 950mm ±20mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Converyor concept: Stainless Roller
- Converyor speed: 0.5-20m/min adjustable
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 350VA max. or specify
- Air supply: ≥6 bar
- Air consumption: 10 ltr/min max.
- PCB unloading time: ±10 seconds
- PCB stock capability: 28 PCBs / Trolly

**Customized function**
- Safty relay to meet CE requirement
- Conveying speed & timeout can set on touchscreen
- Data exchange and communication with other our machines.

**Specifications**
- Machine Dimension (L x W x H): 1700 x 1700 x 1420
- Weight: 218kg
- PCB length: 500-1500mm
- PCB width: 150mm - 500mm
- PCB Thickness: 0.6mm - 4.0mm

* Customized is available
Multi Function Buffer Stocker Series

The single magazine buffer can be used as a mid-line loader or unloader, as a LIFO buffer or as a reject buffer.

Descriptions

Standard features

- 5 operation modes available:
  - Buffer mode (LIFO)
  - Unload mode
  - Load mode
  - Reject mode
  - By-pass mode
- Pannasonic PLC Program control.
- Selectable pitch settings
- Dual function pusher conveyor
- Towerlight display for machine status
- Additional magazines buffering capacity available upon request
- Exchange magazine from the rear of the machine.
- Automatic magazine alignment by upper- and lower pneumatic lamping.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±20mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 16m/min
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 350VA max. or specify
- Air supply: 4-6 bar
- Air consumption: 15 ltr/min max.
- PCB loading time: ±6 seconds
- Pitch distance: 10.20.30.40mm pitch or specify
- Max. total magazine weight: 50 kg each
  * or specify

Options

- Additional magazine capacity.
- Additional function that Human determine the board whether it’s good or bad.
- Servo drive upgrade for shortened cycle time and allowed FIFO mode.
- Other options available on request.

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>STA250M</th>
<th>STA330L</th>
<th>STA390LL</th>
<th>STA460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA250M</td>
<td>1245 x 1175 x 1600</td>
<td>1460 x 1258 x 1600</td>
<td>1635 x 1450 x 1600</td>
<td>1635 x 1530 x 1600</td>
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<tr>
<td>Weight</td>
<td>140kg</td>
<td>200kg</td>
<td>240kg</td>
<td>280kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 445mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thinckness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x 563</td>
<td>460 x 400 x 563</td>
<td>535 x 460 x 570</td>
<td>535 x 530 x 570</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>270mm</td>
<td>270mm</td>
<td>270mm</td>
<td>270mm</td>
</tr>
</tbody>
</table>

* Customized is available
The Multi function buffer is designed to buffer PCB’s in LIFO and pass-through mode. The PCB’s are transferred by ESD belt onto the pick-up location. Metal support bars lift the PCB carefully from the conveyor segment and stores them until downstream request.

### Standard features
- Pannasonic PLC Program control.
- Buffer in LIFO and by-pass mode.
- Selectable pitch settings
- Enclosed construction improve level of safety
- The status of each slot can be changed independently.
- Conveyor width adjustment using hand wheel.
- Threshold signal to protect PCB’s in upstream oven.
- User friendly “soft touch” LED membrane control panel.
- Towerlight display for machine status.
- SMEMA compatible.

### Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 250VA max. or specify
- Air supply: 4-6 bar
- Air consumption: 15 ltr/min max
- Cycle time: ± 15 seconds
- Pitch distance: 20mm or specify
- Buffer capacity: 25 PCBs or specify

### Options
- Automatic width adjustment (set in touchscreen).
- Touchscreen instead of button panel.
- Additional PCB boards capacity.
- Cantilevered input- or output conveyor (length 500 mm).
- Other options available on request.

### Machine Dimension (L x W x H)
- STB330L: 485 x 950 x 1680
- STB460XL: 650 x 1150 x 1680

### Weight
- STB330L: 150kg
- STB460XL: 210kg

### PCB length
- STB330L: 50mm - 380mm
- STB460XL: 50mm - 530mm

### PCB width
- STB330L: 50mm - 330mm
- STB460XL: 50mm - 460mm

### PCB Thickness
- STB330L: 0.6mm - 4.0mm
- STB460XL: 0.6mm - 4.0mm

### Fixed rail to front dimension(A)
- STB330L: 270mm
- STB460XL: 270mm

* Customized is available
The Multi function buffer is designed to buffer PCB's in FIFO LIFO and pass-through mode. The PCB's are transferred by ESD belt onto the pick-up location. Metal support bars lift the PCB carefully from the conveyor segment and stores them until downstream request.

### Standard features
- Panasonic PLC program control.
- Selectable FIFO, LIFO and by-pass mode.
- Selectable pitch settings.
- Enclosed construction improve level of safety.
- The status of each slot can be changed independently.
- Conveyor width adjustment using hand wheel.
- Threshold signal to protect PCB's in upstream oven.
- User friendly "soft touch" LED membrane control panel.
- Towerlight display for machine status.
- SMEMA compatible.

### Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 250 VA max
- Air supply: 4-6 bar
- Air consumption: 15 ltr/min max
- Cycle time: ±15 seconds
- Pitch distance: 20mm or specify
- Buffer capacity: 25 PCBs or specify

### Options
- Reject mode for buffering bad board.
- Additional PCB boards capacity.
- Automatic conveyor width adjustment.
- Cantilevered input- or output conveyor (length 500 mm).
- Other options available on request.
Descriptions

The NG OK vertical buffer is designed to buffer NG and OK board after inspection machine (AOI / SPI) and pass a OK board to next process. NG board will go to the upper conveyor for visual check.

Standard features

- Pannasonic PLC Program control.
- Selectable FIFO, LIFO and by-pass mode.
- Selectable pitch settings
- Conveyer width adjustment using hand wheel.
- Threshold signal to protect PCB's in upstream oven.
- NG/OK table provides easy access to the NG PCBs
- Towerlight display for machine status.
- Good or bad board separation.
- SMEMA compatible.

Technical specifications

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 250VA max. or specify
- Air supply: ± 15 seconds
- Air consumption: 4-6 bar
- Cycle time: 15 ltr/min max.
- Pitch distance: 20mm or specify
- Buffer capacity: 15 PCBs or specify

Options

- Additional PCB boards capacity.
- Automatic conveyer width adjustment.
- Cantilevered output conveyer. (length 500 mm)
- Other options available on request.

<table>
<thead>
<tr>
<th></th>
<th>STD250M</th>
<th>STD330L</th>
<th>STD390LL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>1000 x 950 x 1560</td>
<td>1100 x 1075 x 1560</td>
<td>1200 x 1280 x 1560</td>
</tr>
<tr>
<td>Weight</td>
<td>150kg</td>
<td>220kg</td>
<td>280kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 455mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.0mm</td>
<td>0.6mm - 4.0mm</td>
<td>0.6mm - 4.0mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>270mm</td>
<td>270mm</td>
<td>270mm</td>
</tr>
</tbody>
</table>

* Customized is available
**Descriptions**

*This unit is used to invert / flip PCB's (180°) for 'double-sided' process.*

**Standard features**

- Panasonic PLC Program control.
- By-pass mode selectable.
- Pneumatic stopper to keep PCB in position during inverting.
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible.

**Technical specifications**

- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD belt (round or flat)
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 150VA max. or specify
- Air supply: 4-6 bar
- Air consumption: 1.1 ltr/min max.
- Cycle time: ± 8 seconds

**Options**

- Automatic width adjustment (set in touchscreen)
- Cantilevered input- or output conveyor (length 500 mm)
- Touchscreen instead of button panel.
- Other options available on request

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>TRA250M</th>
<th>TRA390LL</th>
<th>TRA460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>120kg</td>
<td>160kg</td>
<td>185kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension (A)</td>
<td>240mm</td>
<td>240mm</td>
<td>240mm</td>
</tr>
</tbody>
</table>

* Customized is available
The shuttle conveyor is used for transporting boards from one line into two lines or vice versa. The orientation of the board is not changed during traversing.

Standard features
- Panannonic PLC Program control.
- By-pass mode selectable.
- Customized traversing distance.
- Towerlight display for machine status.
- Frequency controlled traversing speed.
- Enclosed design ensures highest level of safety.
- Conveyor width adjustment by hand crank.
- SMEMA compatible.

Technical specifications
- Transport height: 910±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 250VA max. or specify
- Cycle time: Depends on traversing distance
- Number of Cart: Single cart transportation

Options
- 2 transferring carts operation.
- Touchscreen instead of button panel.
- Customized traversing distance.
- Good - or bad board separation.
- Automatic conveyor width adjustment.
- Servo drive upgrade for shortened cycle time.
- Cantilevered input- or output conveyor (length 500 mm)
- Other options available on request.

* Customized traversing distance (W)

<table>
<thead>
<tr>
<th>Feature</th>
<th>TRB 250M</th>
<th>TRB 330L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>503 x 1050 x 950</td>
<td>503 x 1350 x 950</td>
</tr>
<tr>
<td>Weight</td>
<td>About 140kg</td>
<td>About 200kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 470mm</td>
<td>50mm - 470mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension</td>
<td>200mm</td>
<td>200mm</td>
</tr>
</tbody>
</table>

* Customized is available
The turn conveyor is designed to change the flow direction of a PCB assembly line. The PCB is transferred onto the built-in ESD belt conveyor, which turns either clockwise or counter-clockwise.

**Standard features**
- Pannasonci PLC Program control.
- By-pass mode selectable.
- PCB direction flows can be customized.
- Towerlight display for machine status.
- Enclosed design with built-in torque limiter ensures highest level of safety.
- Conveyor width adjustment using hand crank.
- SMEMA compatible.

**Technical specifications**
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Converyor concept: ESD belt (round or flat)
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 150VA max. or specify
- Cycle time: ± 5 seconds

**Options**
- Automatic width adjustment. (set in touchscreen)
- Good or bad board separation.
- Touchscreen instead of button panel.
- Cantilevered input- or output conveyor (length 500 mm).
- Other options available on request.

---

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>TRC250M</th>
<th>TRC330L</th>
<th>TRC390LL</th>
<th>TRC460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 x 500 x 1200</td>
<td>580 x 580 x 1200</td>
<td>700 x 700 x 1200</td>
<td>750 x 750 x 1200</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>170kg</td>
<td>190kg</td>
<td>220kg</td>
<td>260kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 450mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thinckness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Magazine Dimensions (max.)</td>
<td>355 x 320 x 560</td>
<td>460 x 400 x 560</td>
<td>535 x 460 x 570</td>
<td>535 x 530 x 570</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>180mm</td>
<td>180mm</td>
<td>180mm</td>
<td>180mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Bi-Level Tilt Conveyor

BT-400

Descriptions
This unit is used between SMT production line and thru-hole production line with different conveying height for PCBs or pallets.

Standard features
- Panasonic PLC Program control.
- User friendly “touch screen” control panel.
- Anti-static conveyor belt.
- Easy way of belt replacement.
- Cylinder stopper at entrance and exit.
- Lifting up/down distance can be set in touch screen.
- Step motor for conveyor, speed set in touch screen.
- Angle can be set in touchscreen. Angle range 3–7 degree.
- Heavy bottom design to prevent shifting.
- PC Board precise stopping in position.
- Smooth and parallel width adjustment.(lead screw)
- SMEMA compatible.

Technical specifications
- Transport height: 940mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt (or pin chain)
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 400VA max. or specify
- Air supply: ≥6 bar
- Air consumption: 10 ltr/min max
- Lifting distance: 0-100mm adjustable
- Tilt angle: 3-7 degree adjustable

Options
- Automatic width adjustment. (set in touchscreen)
- Cooling system.(0.5m long 4 fans / 1m long 8 fans or specify)
- Servo drive upgrade for shortened cycle time.
- Customized lifting distance and tilt angle.
- Other options available on request.

Structure

Schematic

Customized lengths (B)

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>Weight</th>
<th>PCB length</th>
<th>PCB width</th>
<th>PCB Thickness</th>
<th>Fixed rail to front dimension(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 x 980 x 1440</td>
<td>150kg</td>
<td>50mm - 530mm</td>
<td>50mm - 460mm</td>
<td>0.8mm - 4.0mm</td>
<td>188mm</td>
</tr>
</tbody>
</table>

* Customized is available
Descriptions
This conveyor is used to feed PCB's or pallets into wave soldering machine.

Standard features
- 800mm Aluminum conveying guide rail
- Pin chain (3 mm or 5 mm pins)
- Conveying motor with speed controller
- Smooth and parallel width adjustment (lead screw)

Technical specifications
- Transport height: 800mm ± 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: Pin chain
- Belt speed: 0-2m/min adjustable
- PCB edge support: 5mm
- Power supply*: 230 VAC/50 Hz/1 Ph
- Power consumption: 150VA max. or specify

Structure

Schematic

<table>
<thead>
<tr>
<th>MI-800</th>
<th>Machine Dimension (L x W x H)</th>
<th>800 x 645 x 750</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weight</td>
<td>60kg</td>
</tr>
<tr>
<td></td>
<td>PCB Width</td>
<td>50mm - 400mm</td>
</tr>
<tr>
<td></td>
<td>Conveying height</td>
<td>800x50mm</td>
</tr>
</tbody>
</table>

* Customized is available
Wave solder unloader conveyor

**MWN 1300**

### Descriptions

*This conveyor is used to unload PCB's or pallets from a wave soldering machine with adjustable angle. Decline section presents PCB/pallet at standard height to downstream machine.*

### Standard features

- Aluminum conveying guide rail.
- 400mm belt
- Adjustable speed.
- Adjustable angle.
- Equipped with 2 groups of cooling fan.

### Technical specifications

- Transport height: 1150±50mm
- Transfer direction: Left to right
- Fixed rail: Front of the machine
- Interface: None
- Conveyer concept: ESD belt
- Belt speed: 0-2m/min adjustable
- Power supply: 220 VAC/50 Hz/1 Ph
- Power consumption: 200VA max

### Options

- Mesh Belt instead of ESD Belt.

### Structure

#### Schematic

- [Diagram of Wave solder unloader conveyor]

### Machine Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>1300 x 485 x 1300</td>
</tr>
<tr>
<td>Weight</td>
<td>85kg</td>
</tr>
<tr>
<td>PCB Width</td>
<td>Max 400mm</td>
</tr>
</tbody>
</table>

* Customized is available

---

**Back to content**
1Clicksmt PCB Handling Machines
Insertion conveyor Series

MI 3000

Descriptions
This unit is used to transport PCB and pallet for electronical production assembly line.

Standard features
- Aluminum conveying guide rail
- Conveyor width adjustment using hand crank
- Conveying motor driven by inverter
- Equipped with LED light
- Equipped with 2 component trays
- Equipped with process card bracket
- 35B pin chain (5mm)

Technical specifications
- Transport height: 800±20mm or Specify
- Transfer direction: Left to right
- Operation side: Front of the machine
- Conveyor concept: Pin chain
- Belt speed: 0-5m/min adjustable
- Power supply*: 220 VAC/50 Hz/1 Ph
- Power consumption: 150VA max. or specify

Options
- Manual stop switch button.
- ESD ground socket.

Structure

Schematic

<table>
<thead>
<tr>
<th>MI-3000</th>
<th>Machine Dimension (L x W x H)</th>
<th>3000 x 650 x 1900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>85kg</td>
<td></td>
</tr>
<tr>
<td>PCB Width</td>
<td>Max 350mm</td>
<td></td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
ESD belt conveyor

BC 3000

Descriptions
This unit is used to transport PCB and pallet for electronical production assembly line.

Standard features
- Aluminum conveying guide rail
- 400mm width ESD belt
- Conveying motor driven by inverter
- Equipped with LED light
- Equipped with multifunction socket
- Equipped with process card bracket
- Equipped with tool storage plate

Technical specifications
- Transport height: 800mm ±20mm or Specify
- Transfer direction: Left to right
- Operation side: 2 sides of the machine
- Conveyer concept: ESD belt
- Belt speed: 0-5m/min adjustable
- Power supply*: 230 VAC/50 Hz/1 Ph
- Power consumption: 400VA max. or specify

Options
- Manual stop switch button.
- ESD ground socket.

Structure

Schematic

<table>
<thead>
<tr>
<th>Machine Dimension (L x W x H)</th>
<th>Weight</th>
<th>PCB Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 x 1285 x 1860</td>
<td>85kg</td>
<td>Max 400mm</td>
</tr>
</tbody>
</table>

* Customized is available
1Clicksmt PCB Handling Machines
Single Side PCB Cleaner Series
SPC 250M • SPC 330L • SPC390LL • SPC460XL

Descriptions
This unit can remove glass fiber, dust particles, etc. on top surface of PCB before solder paste printing, and improve production yield. Especially suitable for PCB which is mounted extremely small components.

Standard features
- Panasonic PLC Program control.
- On-line automatic clean.
- All types of dust can be removed.
- Adhesive clean roll removes all dust from rolls.
- Ionizer removes electric static on the PWB.
- Draw-out design for Easy changing of adhesive rolls.
- Preset number of PCB & pre-warning counter to purge adhesive rolls.
- User friendly touch screen control panel.
- SMEMA compatible.

Technical specifications
- Transport height: 910mm ±30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyor concept: ESD flat belt
- Belt speed: 0.5-20m/min adjustable
- PCB edge support: 3mm
- Power supply: 230 VAC/50 Hz/1 Ph
- Power consumption: 150VA max. or specify
- Air supply: 4-6 bar
- Air consumption: 2 ltr/min max.
- Cycle time: ±8 seconds

Options
- Double side PCB processing.
- Automatic conveyor width adjustment.
- Other options available on request.

<table>
<thead>
<tr>
<th>Option</th>
<th>SPC250M</th>
<th>SPC330L</th>
<th>SPC390LL</th>
<th>SPC460XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimension (L x W x H)</td>
<td>550 x 650 x 1350</td>
<td>550 x 680 x 1350</td>
<td>550 x 780 x 1350</td>
<td>550 x 850 x 1350</td>
</tr>
<tr>
<td>Weight</td>
<td>170kg</td>
<td>185kg</td>
<td>220kg</td>
<td>260kg</td>
</tr>
<tr>
<td>PCB length</td>
<td>50mm - 330mm</td>
<td>50mm - 450mm</td>
<td>50mm - 530mm</td>
<td>50mm - 530mm</td>
</tr>
<tr>
<td>PCB width</td>
<td>50mm - 250mm</td>
<td>50mm - 330mm</td>
<td>50mm - 390mm</td>
<td>50mm - 460mm</td>
</tr>
<tr>
<td>PCB Thickness</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
<td>0.6mm - 4.5mm</td>
</tr>
<tr>
<td>Fixed rail to front dimension(A)</td>
<td>190mm</td>
<td>190mm</td>
<td>190mm</td>
<td>190mm</td>
</tr>
</tbody>
</table>

* Customized is available
ESD Magazine Rack Series

**E802 SMT Magazine**
- Surface Resistance: $10^{-10}$ Q
- Overall Size: 355 x 315 x 580 mm
- Can accommodate 50 pieces of PCB.
- Specifications of PCBs to be accommodated: 350 x (80-250) mm
- Side guide slot: depth 3.5 mm, width 8 mm, pitch 10 mm
- The top and bottom board are made of plastic. Stationary type.
- Gear track allow easy operation.
- Adjustable through screws.

**E803 SMT Magazine**
- Surface Resistance: $10^{-10}$ Q
- Common type and heat-resistance type are available.
- Overall Size: 355 x 315 x 580 mm
- Can accommodate 50 pieces of PCB.
- Specifications of PCBs to be accommodated: 350 x (50-250) mm
- Side guide slot: depth 3.5 mm, width 8 mm, pitch 10 mm
- The top and bottom board are made of metal.
- Gear track allow easy operation.

**E804 SMT Magazine**
- Surface Resistance: $10^{-10}$ Q
- Overall Size: 355 x 315 x 580 mm
- Can accommodate 50 pieces of PCB.
- Specifications of PCBs to be accommodated: 460 x (50-330) mm
- Side guide slot: depth 3.5 mm, width 8 mm, pitch 10 mm
- The top and bottom board are made of plastic. Stationary type.
- Gear track allow easy operation.

**E805 SMT Magazine**
- Surface Resistance: $10^{-10}$ Q
- Common type and heat-resistance type are available.
- Overall Size: 355 x 315 x 580 mm
- Can accommodate 50 pieces of PCB.
- Specifications of PCBs to be accommodated: 460 x (50-330) mm
- Side guide slot: depth 3.5 mm, width 5 mm, pitch 10 mm
- The top and bottom board are made of metal. Stationary type.
- Gear track allow easy operation.
- Adjustable through screws. (Allowed to be put in ageing chamber)

**E806 SMT Magazine**
- Surface Resistance: $10^{-10}$ Q
- Common type and heat-resistance type are available.
- Overall Size: 460 x 400 x 563 mm
- Can accommodate 50 pieces of PCB.
- Specifications of PCBs to be accommodated: 460 x (50-330) mm
- Side guide slot: depth 3.5 mm, width 5 mm, pitch 10 mm
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**Specifications**

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<tr>
<th>Model</th>
<th>Base Material</th>
<th>Adjust</th>
<th>Heat Resistance</th>
<th>Outline Dimension (mm)</th>
<th>Ref Position (mm)</th>
<th>Adjustable Dimensions (mm)</th>
<th>Pitch (mm)</th>
<th>PCB Spacing (mm)</th>
<th>Weight (kg)</th>
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1 CLICK SMT TECHNOLOGY CO., LTD
Address: Building A, NO.2 Factory zone, Science & Technology Industry zone, Dalingshan Town, Dongguan City, Guangdong Province, China. Post code: 523825
Tel: (86) 0769 85303739
Skype: oneclickmachine
E-mail: sales@1clicksmt.com
Website: http://www.1clicksmt.com