

SOUTHERN MACHINERY



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OUR CLIENTS



INTRODUCTION

SHENZHEN SOUTHERN MACHINERY SALES AND SERVICE CO.,LTD

The Southern Machinery is a Shenzhen-based company, providing professional automatic insertion machines tailor-made for Electronic Manufacturing Factory. Our team works with recognized experts that have many years of working experience in the industry.

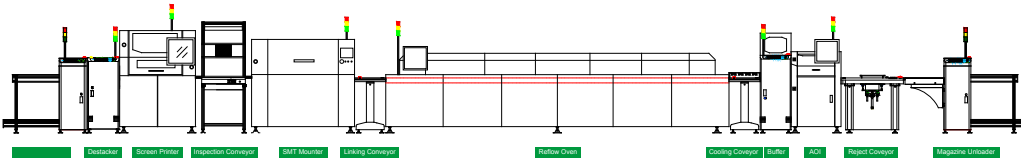
As an industry leader with over 20 years of experience in electronic manufacturing, we provide comprehensive guidance from the AI / PCB design (DFM), AI process (NPI) to equipment importing, installation, and auto insertion technology (THT) training, machine troubleshooting/ upgrading/ overhauling / relocating/ fittings. We also offer an affordable line-up of all brand spare parts.

By saving your time and money through getting your PCB Assembly automated, your long-term return on invest (ROI) will also increase with producing PCBs in-house. Working with a proven industry leader allows you to focus on your core business with PCB assembly handled by the proven specialists at Southern Machinery.

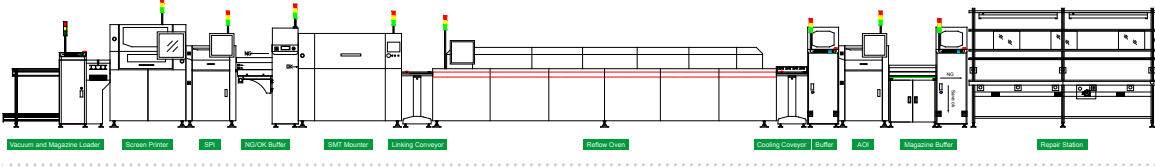
We are committed to conducting any level of EMS design work and providing electronic design services. These value-added design services can verify the accuracy and precision of electronic designs, leading to significant improvements for production output and resulting in superior products with higher quality that your target market will love.

SMT Production Lines

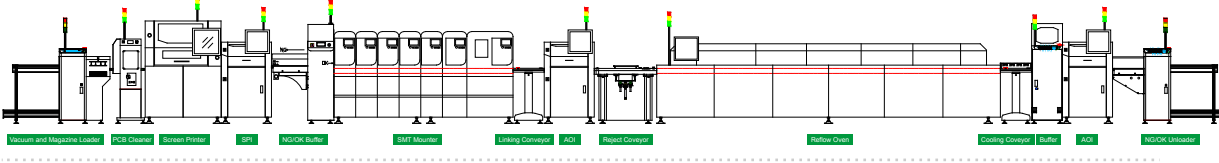
Economic SMT Production Line



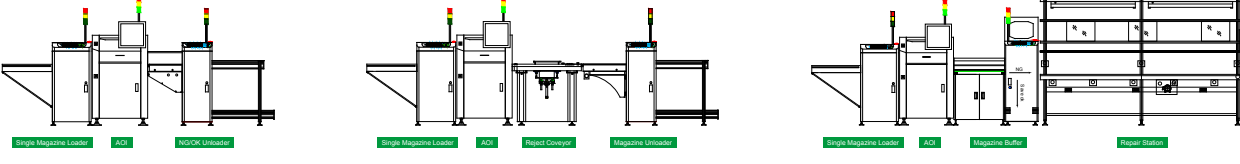
Medium-Volume SMT Production Line



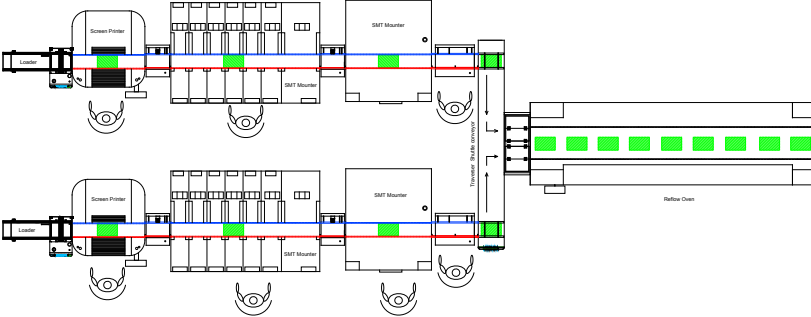
High-Volume Fully Automatic SMT Production Line



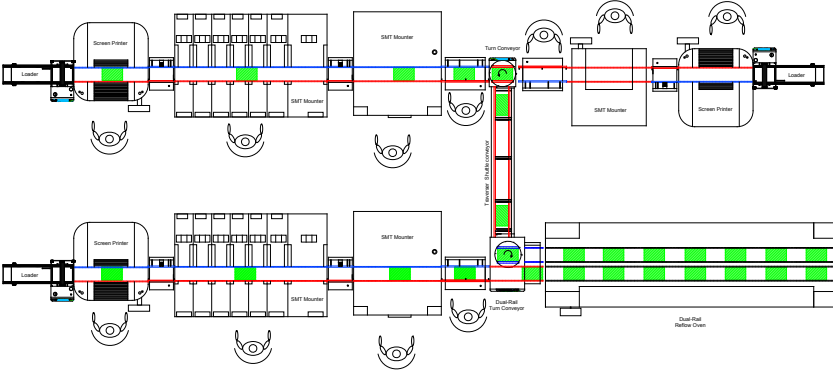
Automated Optical Inspection Line



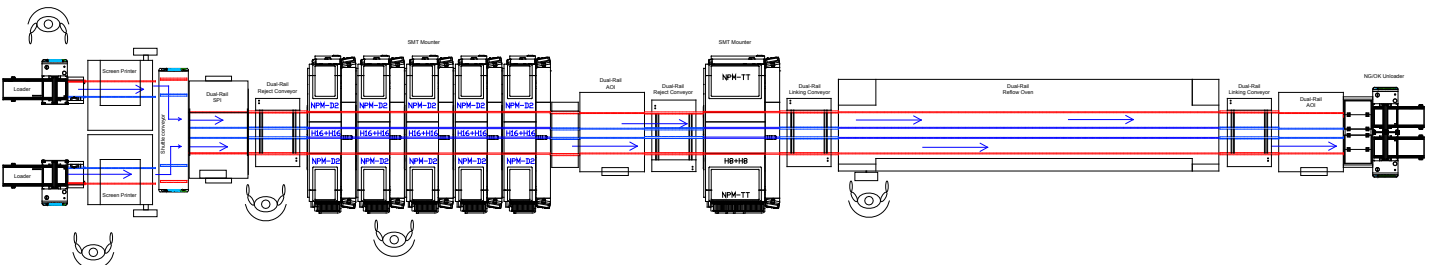
2 SMT Production Lines Share 1 Reflow Oven



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 prodction solution,pls sent your requirement to shaoyong@smthelp.com,and if you want specify smt production solution,we can offer you customized solution too.

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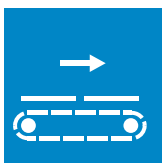
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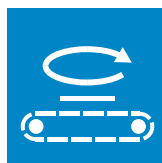
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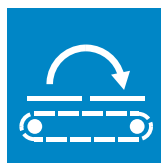
CONVEYOR



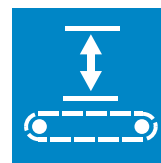
TURN



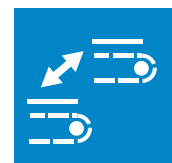
FLIP



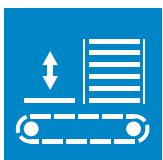
LIFT



SHUTTLE



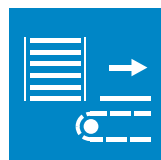
BUFFER



UNLOADER



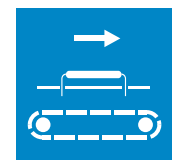
LOADER



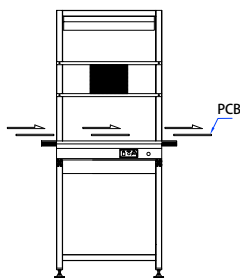
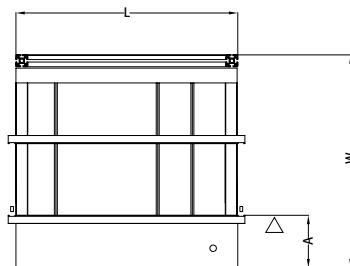
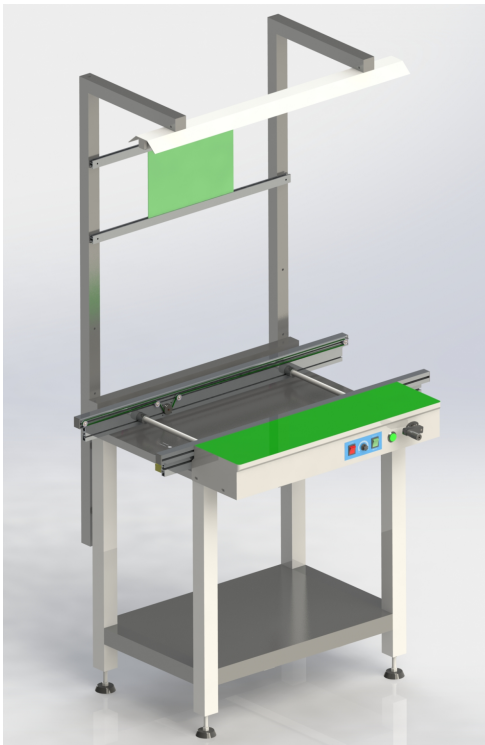
CLEANER



THRO-HOLE



PCB Handling Machines Inspection Conveyor Series



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 \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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.
- Eelectrical width adjustment.
- Dust cover.(customized length)
- Cooling system.(0.5m long 4 fans / 1m long 8 fans or specify)
- Other options available on request.

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
S-350L	500×676×900	50*50-445x350	55 KG
S-350XL	500×786×900	50*50-460x460	70KG
S-1000L	1000×676×900	50*50-448x350	80KG
S-1000XL	1000×786×900	50x50-530x460	90KG

* Customized is available

PCB Handling Machines

Linking Conveyor Series



Descriptions

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

Standard features

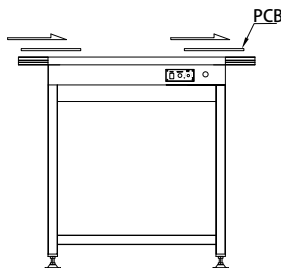
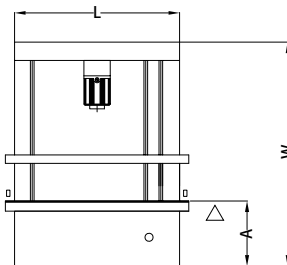
- Pannasonic PLC Program control.
- Start / Stop push button.
- Anti-static conveyor belt.
- Easy way of belt replacement.
- Heavy bottom design to prevent shifting.
- PCB precise stopping in position.
- Smooth and parallel width adjustment.(lead screw)
- SMEMA compatible.

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
- Conveyer 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.
- Eelectrical width adjustment.
- Dust cover.(customized length)
- Cooling system.(0.5m long 4 fans / 1m long 8 fans or specify)
- Other options available on request.



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
S-350C	500×676×900	50*50-445x350	55 KG
S-1000C	1000×786×900	50*50-460x460	70KG
S-350N	500×1046×900	50*50-330x250	80KG
S-1000N	1000×1046×900	50x50-330x250	95KG

* Customized is available

PCB Handling Machines High Version Conveyor Series



Descriptions

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

Standard features

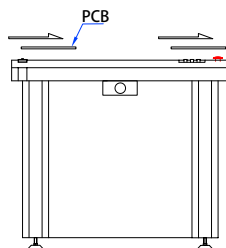
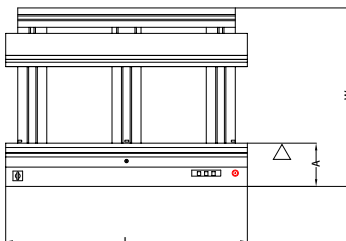
- Pannasonic PLC Program control.
- Start / Stop push button.
- Anti-static conveyor belt.
- Centre PCB stop position.
- Easy way of belt replacement.
- Inspect and by-pass mode selectable.
- Sturdy structure offers reliable operation in demanding production.
- PCB precise stopping in position.
- Smooth 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
- Conveyer 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.



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
S-H50	500×745×900	50*50-445x350	65 KG
S-H100	1000×745×900	50*50-460x460	80KG

* Customized is available

PCB Handling Machines Reject Conveyor Series



Descriptions

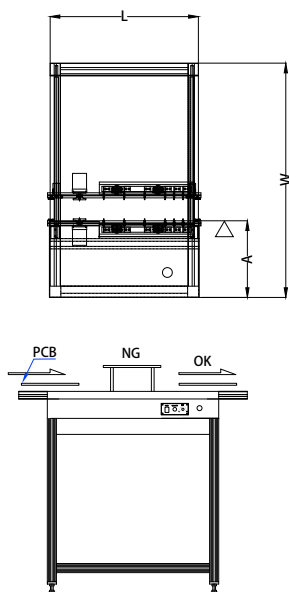
The unit installed after AOI for separated NG board for visual inspect and good board will pass through without stopping.

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
- Conveyer 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

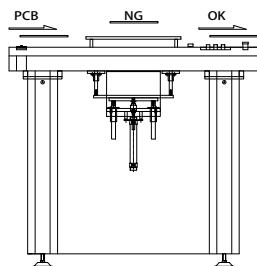
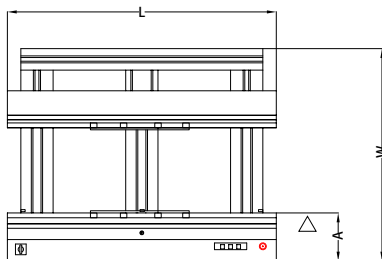
- Automatic width adjustment (set in touchscreen)
- Light fixture with tower light
- Additional lift positions for extra buffer capacity
- Other options available on request.

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
S-T50	500×765×900	50*50-445x330	65 KG
S-T100	1000×795×900	50*50-460x460	80KG

* Customized is available

PCB Handling Machines

High Version Reject Conveyor Series



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 \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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.

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
S-HT50	500×765×900	50*50-445x330	75 KG
S-HT100	1000×795×900	50*50-460x460	80KG

* Customized is available

PCB Handling Machines

Telescopic Conveyor Series



Descriptions

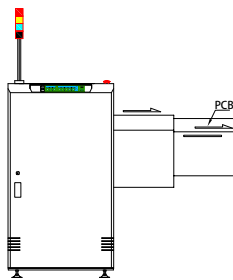
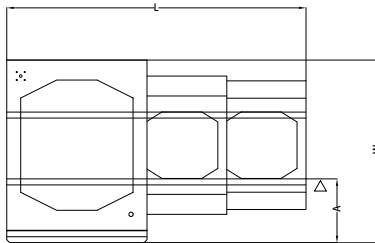
The unit provides a 'normal open' passage in a PCB assembly line. An integrated conveyor segment slides across the opening to deliver PCB to downstream machine.

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 passage way)
- Other options available on request.

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SAC330	1500*850*1300	50*50-445x330	240 KG
SAC330	2000*850*1300	50*50-460x460	260 KG

* Customized is available

PCB Handling Machines

Lowering Gate Conveyor Series



Descriptions

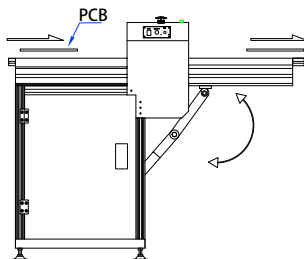
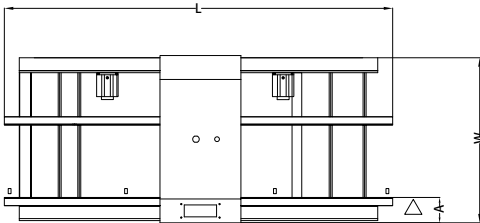
This unit is used when a passage way is required in a production line.

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)
- MEMA 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.

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)	Remark
SLC400W-N	1300*570*1050	50*50-445*400	180KG	

Handling Machines

Manual Lift Gate Conveyor Series



Descriptions

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

Standard features

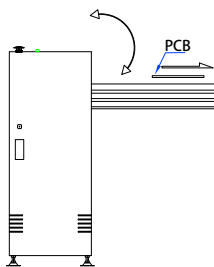
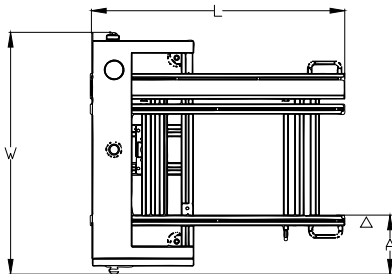
- Pannasonic PLC Program control.
- Locking cylinder to avoid opening during PCB transfer.
- Ergonomic air pressure supported opening and closing.
- Smooth and parallel width adjustment.(lead screw)
- SMEMA compatible.

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
- Conveyer 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.



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)	Remark
SGC330	1000*730*1050	50*50-445*400	180KG	
SGC460	1000*860*1050	50*50-530*460	200KG	

* Customized is available

PCB Handling Machines

Single Magazine Loader Series



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

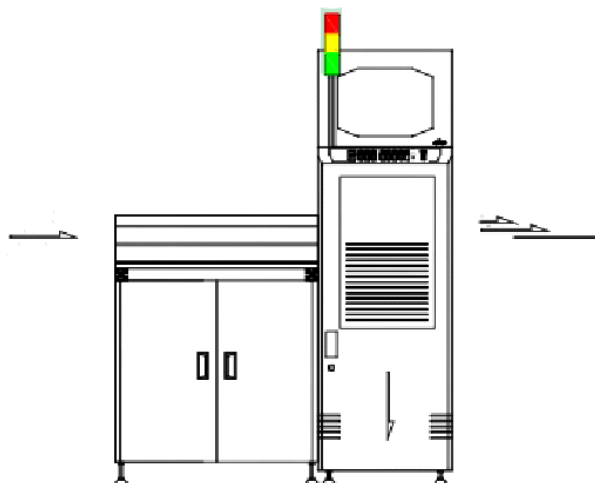
- Pannasonic PLC Program control.
- Selectable pitch settings.
- Flexible platform to suit standard magazines.
- Exchange magazine from the rear of the machine.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- User friendly "soft touch" LED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

Technical specifications

- Transport height: 910mm \pm 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: \geq 6 bar
- Air consumption: 10 ltr/min max.
- PCB loading time: \pm 6 seconds
- Pitch distance: 10.20.30.40mm pitch or specify.
- Total number of magazines: * 1 mgazine on the lifter platform.
* or specify

Options

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



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)	Rack size(L*W*H.MM)
SBM250	1150*1150*1205	50*50-330*250	160KG	355*320*563
SBM330	1350*1350*1205	50*50-445*330	220KG	460*400*563
SBM390	1550*1550*1205	50*50-530*390	280KG	535*460*563
SBM460	1750x1750x1205	50x50-530x460	340KG	535*530*563

PCB Handling Machines Multi Magazine Loader Series



Descriptions

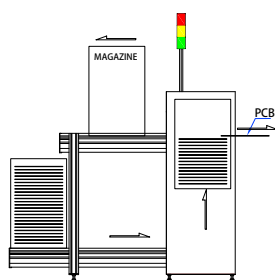
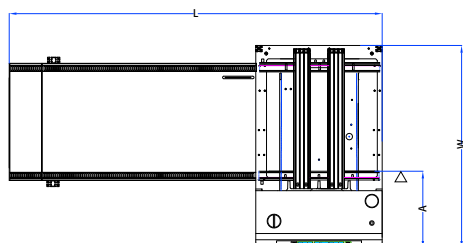
The unit loads your production line automatically by pushing PCB's out of the magazine onto the conveyor of the downstream machines. Full magazines are inserted at an ergonomic low level.

Standard features

- Pannasonic 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 mgazine on the lifter platform.
 - * 1 empty magazine on the upper magazine conveyor
 - * 2 full magazines on the lower magazine conveyor
 - * or specify



Options

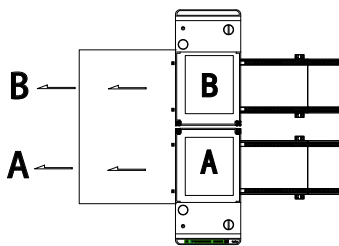
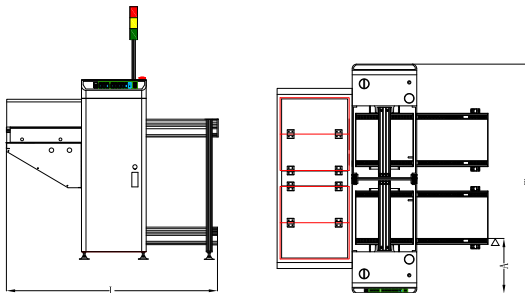
- Width adjustable magazine conveyor(s).
- Additional magazine capacity.
- Touchscreen instead of button panel.
- Enclosed construction improve level of safety
- Other options available on request.

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SLD250	1330*765*1250	50*50-330*250	140KG	355*320*563
SLD330	1650*845*1250	50*50-445*330	200KG	460*400*563
SLD390	1800*909*1250	50*50-530*390	240KG	535*460*563
SLD460	1800*970*1250	50x50-530x460	300KG	535*530*563

* Customized is available



(right to left direction)



Descriptions

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

Standard features

- 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

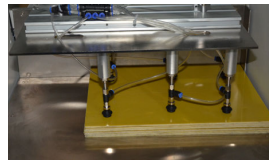
Options

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

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SBH250	1510*1530*1250	50*50-350x250	320KG	355*320*563
SBH330	1910*1630*1250	50*50-460x330	350KG	460*400*563
SBH390	2160*1760*1250	50*50-535x390	380KG	535*460*563
SBH460	2160*1900*1250	50x50-535x460	460KG	535*530*563

* Customized is available

PCB Handling Machines Vaccum board Loader Series



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

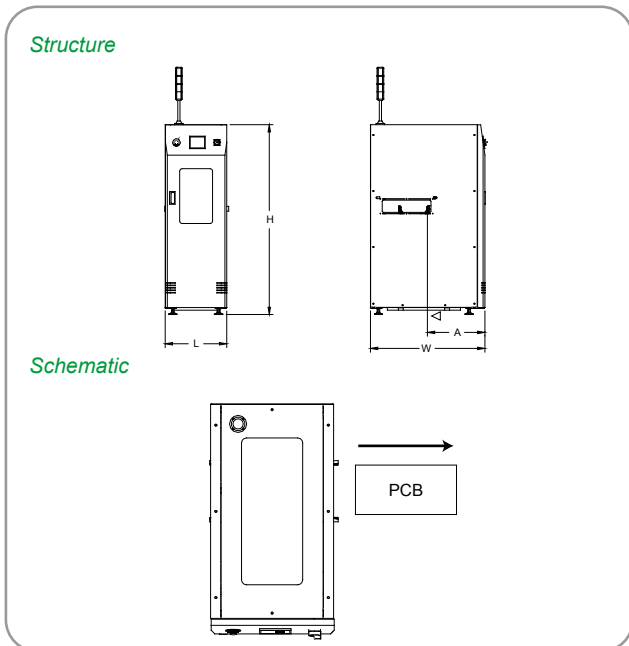
- Pannasonic PLC Program control.
- Large stock capacity.
- Empty stack sensor.
- Flexible suction cup positioning.
- Convenient front door stack loading.
- Towerlight display for machine status.
- Smooth and parallel width adjustment.(lead screw)
- By-pass mode selectable without removing PCB stack.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



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SVD250	550*940*2080	50*50-330*4000	200KG

* Customized is available

PCB Handling Machines Vaccum and magazine combo loader



Descriptions

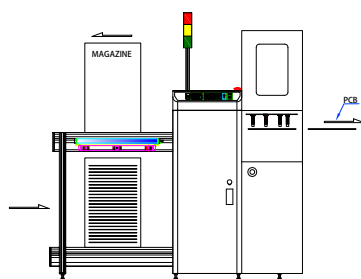
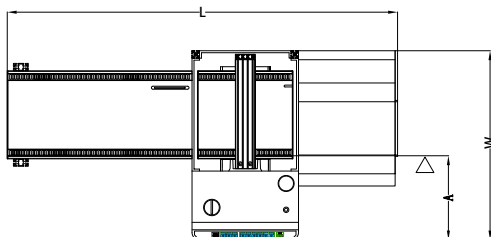
The unit loads your production line automatically and It is equipped with two PCB loading modes and especially suitable for single-line mode which processes double-sided pcbs.

Standard features

- Pannasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Binding function of vaccum loader and magazine loader.
- Vaccum 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: 10.20.30.40mm pitch or specify.
- Diameter sictpm pads: 15mm or specify
- PCB thickness capability: 0.6-4.5mm
- PCB stock capability: 125mm or specify
- Total number of magazines:
 - * 1 mgazine on the lifter platform.
 - * 1 empty magazine on the upper magazine conveyor
 - * 1 full magazines on the lower magazine conveyor
 - * or specify



Options

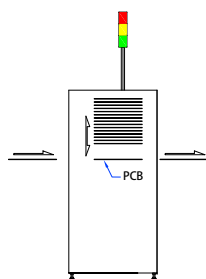
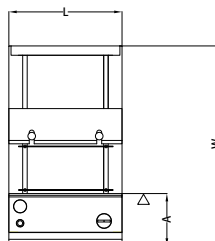
- Alternative suction cup size.
- Additional magazine capacity.
- Touchscreen instead of button panel.
- Enclosed construction improve level of safety
- Other options available on request.

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SLC250	1450*765*1520	50*50-330*250	210KG	355*320*563
SLC330	1850*845*1520	50*50-445*330	260KG	460*400*563
SLC390	2060*925*1520	50*50-530*390	310KG	535*460*563
SLC460	2060*970*1250	50x50-530x460	370KG	535*530*563

* Customized is available

PCB Handling Machines

Destacker Series



Descriptions

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.

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

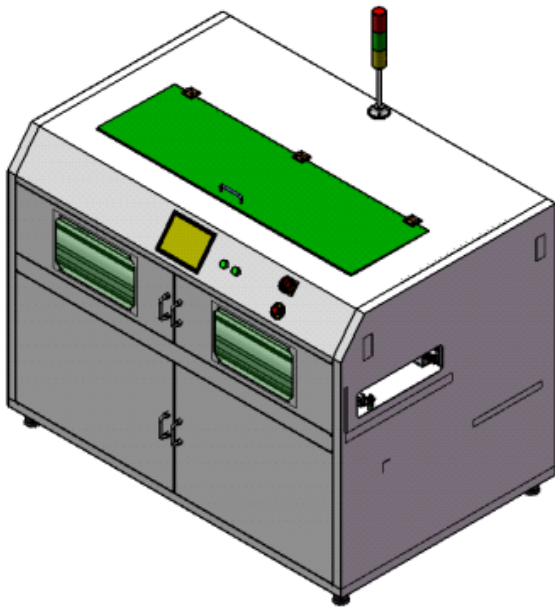
Options

- 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.

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	PCB storage
SLE330W	550*650*1200	50*50-330*250	150KG	200PCS/0.4mm
SLE460W	550*890*1200	50*50-460*460	200KG	200PCS/0.4mm

* Customized is available

PCB Handling Machines 1.5m LED Vacuum Loader & Unloader



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 stack and lowered onto belt segment. Also it can be used as a bare board unloader.

Standard features

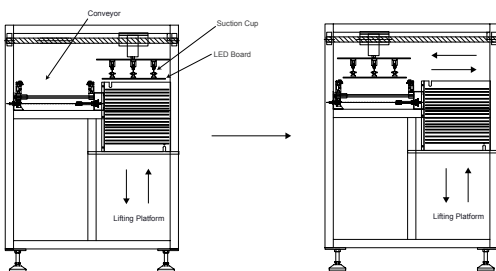
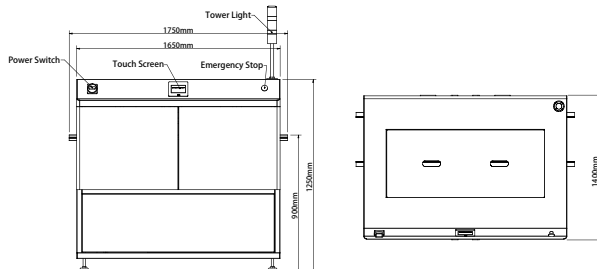
- Pannasonic PLC Program control.
- Large stock capacity.
- Empty stack sensor.
- Flexible suction cup positioning.
- Convenient front door stack loading.
- Towerlight display for machine status.
- Automatic width adjustment.
- Auto-correct feature to ensure board lowering onto belt smoothly.
- By-pass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

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
- Conveyer 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 sictpm pads: 60mm or specify
- PCB thickness capability: 0.6-4.0mm
- PCB stock capability: 200mm or specify

Customized function

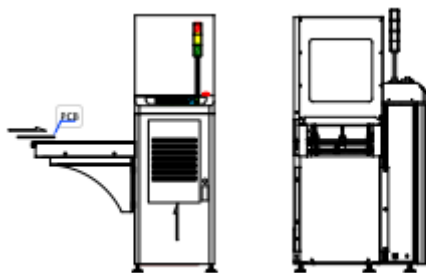
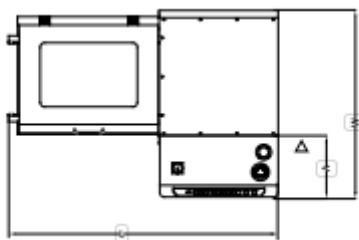
- 10mm PCB edge support.
- Safty relay to meet CE requirement.
- Load / unload mode can be switched on touchscreen .
- Conveyig speed & timeout can set on touchscreen.
- Data exchange and communication with other our machines.



Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	PCB storage
SVL330	1700*1200*1280	50*50-1300*330	130KG	200mm or specify

PCB Handling Machines

Magazine Unloader Series



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.
- SMEA compatible.

Technical specifications

- Transport height: 900mm \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEA
- Conveyer 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: \geq 6 bar
- Air consumption: 10 ltr/min max.
- PCB unloading time: \pm 6 seconds
- Pitch distance: 10.20.30.40mm pitch or specify.
- Total number of magazines: * 1 mgazine on the lifter platform.
* or specify

Options

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

Model	Dimension (L*W*H.MM)	Effecton PCB size	Weight(KG)	Rack size(L*W*H.MM)
SUD250	1140*770*1630	50*50-330*250	160KG	355*320*563
SUD330	1220*850*1630	50*50-445*330	220KG	460*400*563
SUD390	1280*910*1630	50*50-530*390	280KG	535*460*563
SUD460	1350x980x1630	50x50-530x460	340KG	535*530*563

PCB Handling Machines

Multi Magazine Unloader Series



Descriptions

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 off loaded at an ergonomic low level.

Standard features

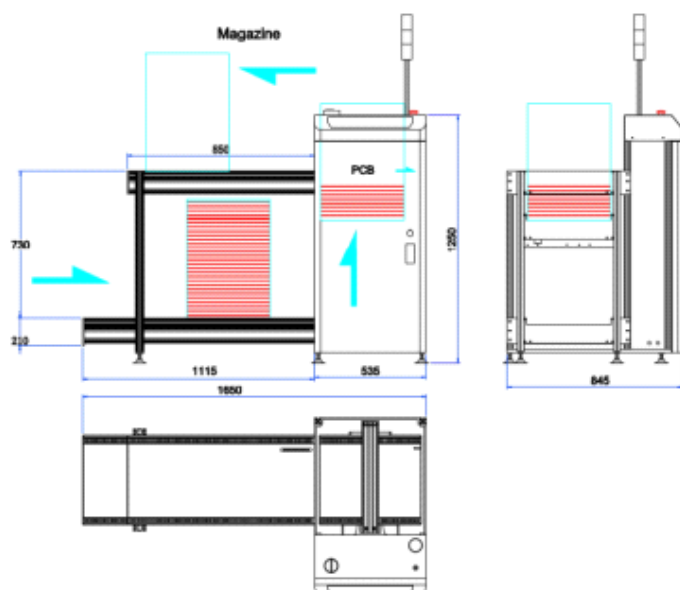
- Pannasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Automatic magazine change-over
- Flexible platform to suit standard magazines.
- Conveyor width adjustment using hand crank.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable 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
- Conveyor 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: 10.20.30.40mm pitch or specify.
- Magazine change-over time: ± 30 seconds
- Total number of magazines: * 1 mgazine 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.



Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SUL250	1730*765*1250	50*50-330*250	160KG	355*320*563
SUL330	2065*845*1250	50*50-445*330	220KG	460*400*563
SUL390	2660*909*1250	50*50-530*390	280KG	535*460*563
SUL460	2660*970*1250	50x50-530x460	320KG	535*530*563

* Customized is available

PCB Handling Machines

NG OK Magazine Unloader



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

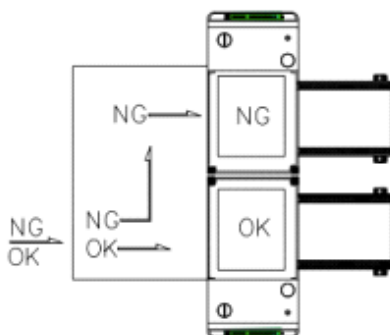
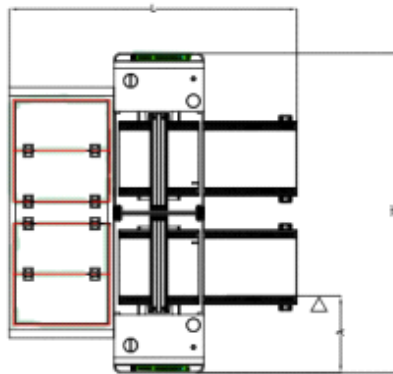
- Pannasonic PLC Program control.
- Selectable pitch settings
- Good or bad board separation.
- Unique guide rail driven positioning of shuttle conveyor.
- Towerlight display for machine status.
- Additional magazines buffing capacity available upon request.
- Conveyor width adjustment using hand wheel.
- 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 \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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: \pm 10 seconds
- Magazine change-over time: \pm 30 seconds
- Pitch distance: 10.20.30.40mm pitch or specify.
- Max. total magazine weight: 50 kg each
* or specify

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



Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SNK250	1510*1530*1250	50*50-350x250	320KG	355*320*563
SNK330	1910*1630*1250	50*50-460x330	350KG	460*400*563
SNK390	2160*1760*1250	50*50-535x390	380KG	535*460*563
SNK460	2160*1900*1250	50x50-535x460	460KG	535*530*563

PCB Handling Machines

1.5m LED Board Unloader With Trolley



Descriptions

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

Standard features

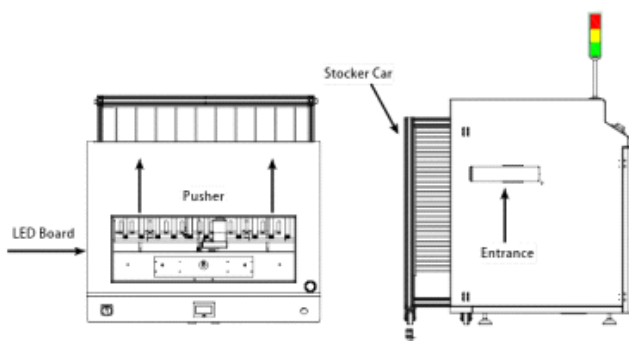
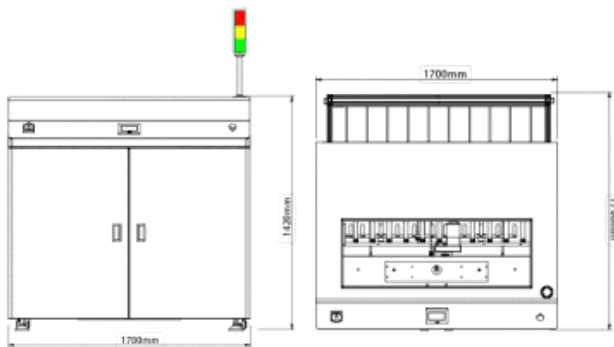
- Pannasonic PLC Program control.
- Selectable pitch settings.
- Towerlight display for machine status.
- Flexible stocker car easy to transport.
- Lifting platform drive by servo motor.
- Exchange stocker car from the rear of the machine.
- User friendly "touch screen" control panel.
- The PCB's are 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
- Conveyor concept: Stainless Roller
- Conveyor 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 / Trolley

Customized function

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



Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	PCB Thinckness
SLED330	1700 x 1700 x 1420	500*150~1500*500	220KG	0.6mm ~ 4.0mm

PCB Handling Machines Multi Function Buffer Stocker Series



Descriptions

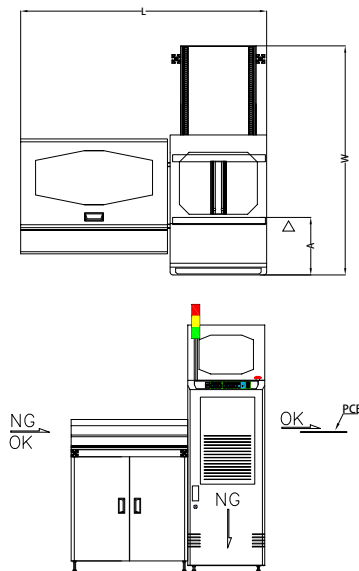
The single magazine buffer can be used as a mid-line loader or unloader, as a LIFO buffer or as a reject buffer.

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 mgazines buffing 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 \pm 20mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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: \pm 6 seconds
- Pitch distance: 10.20.30.40mm pitch or specify.
- Max. total magazine weight: 50 kg each
* or specify



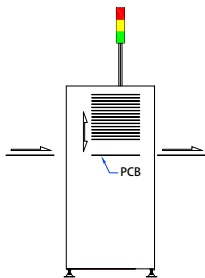
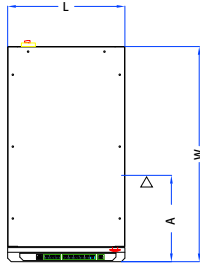
Options

- 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.

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
STM250	1150*1150*1205	50*50-330*250	160KG
STM330	1350*1350*1205	50*50-445*330	220KG

PCB Handling Machines

LIFO Vertical Buffer Series



Descriptions

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 membane control panel.
- Towerlight display for machine status.
- SMEMA compatible.

Technical specifications

- Transport height: 910mm \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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: \pm 15 seconds
- Pitch distance: 20mm or specify
- Buffer capacity: 25 PCBs or specify

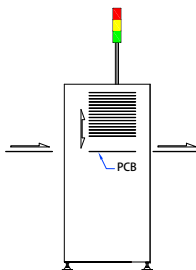
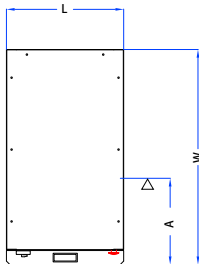
Options

- 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.

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)
SHL250	500*980*1700	50*50-445*330	150KG
SHL330	650*980*1200	50*50-530*460	190KG

* Customized is available

PCB Handling Machines Multi Function Buffer Series



Descriptions

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

- Pannasonic 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 membane control panel.
- Towerlight display for machine status.
- SMEMA compatible.

Technical specifications

- Transport height: 910mm \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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: \pm 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.

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)
SHM250	485*950*1680	50*50-380*330	160KG
SHM330	650*1150*1680	50*50-530*4600	210KG

PCB Handling Machines

NG OK Vertical Buffer



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

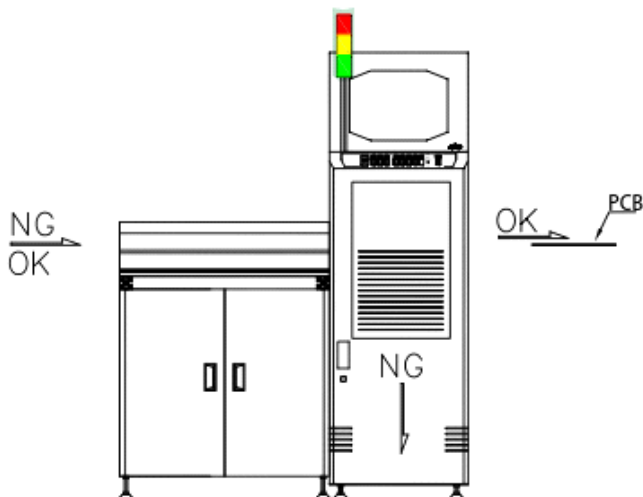
- Pannasonic PLC Program control.
- Selectable FIFO, LIFO and by-pass mode.
- Selectable pitch settings
- Conveyor width adjustment using hand wheel.
- Threshold signal to protect PCB's in upstream oven.
- NG/OK table provides easy access to the NG PCBs
- Towerlight display for machine status.
- Good 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
- Conveyer 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 conveyor width adjustment.
- Cantilevered output conveyor. (length 500 mm)
- Other options available on request.



Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)
SBN250	1000*910*1600	50*50-330*250	160KG
SBN330	1200*990*1600	50*50-460*330	300KG

* Customized is available

Handling Machines

Inverter Series



Descriptions

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

Standard features

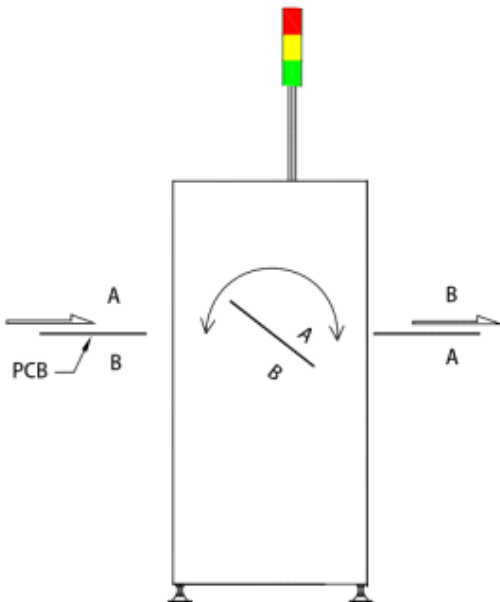
- Pannasonci PLC Program control.
- By-pass mode selectable.
- Pneumatic stopper to keep PCB in position during inverting.
- Smooth and parallel width adjustment.(lead screw)
- SMEMA compatible.

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



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SBI330	500*786*1200	50*50-445*330	120KG
SBI460	600*856*1200	50*50-530*460	160KG

* Customized is available

PCB Handling Machines

Traverser / Shuttle Conveyor Series



Descriptions

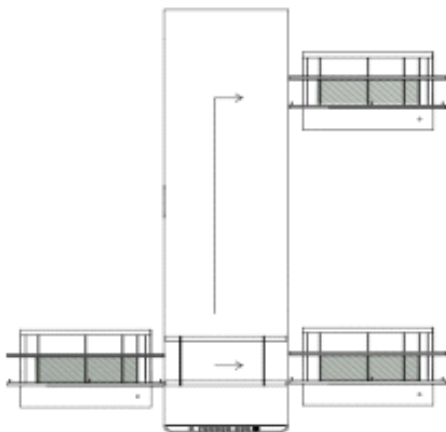
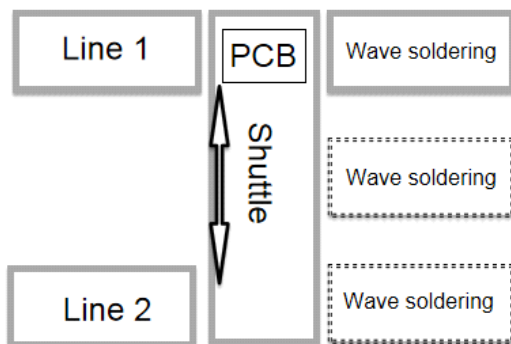
The shuttle conveyor is used for transporting boards from one line into two lines or vice versa. The orientation of the board is not changed during traversing.

Standard features

- Pannasonic 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
- Conveyer 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: Sigle 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.

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SIH250	500*W*1050	50*50-330*250	140KG
SIH330	600*W*1050	50*50-460*330	200KG

* Customized is available

PCB Handling Machines

Turn Conveyor Series



Descriptions

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

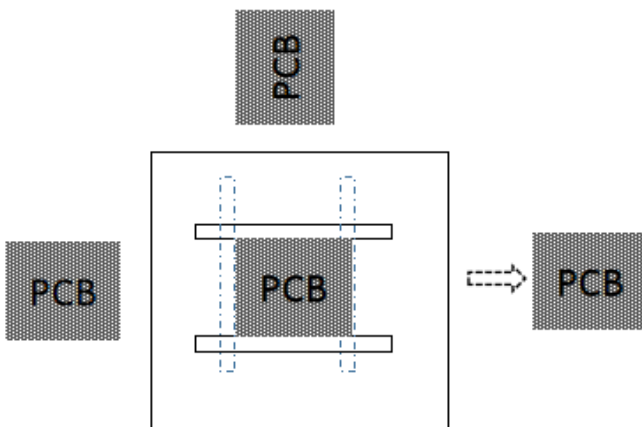
- Pannasonci PLC Program control.
- By-pass mode selectable.
- PCB direction flows can be customized.
- Towerlight display for machine status.
- Enclosed design with built-in torque limiter ensures highest level of safety
- Conveyor width adjustment using hand crank.
- SMEMA compatible.

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
- 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
- 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.



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SBI330	500*563*1200	50*50-330*250	150KG
SCN330	580*643*1200	50*50-400*330	170KG

* Customized is available

PCB Handling Machines Bi-Level Tilt Conveyor



Descriptions

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

Standard features

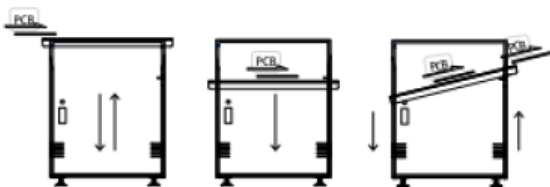
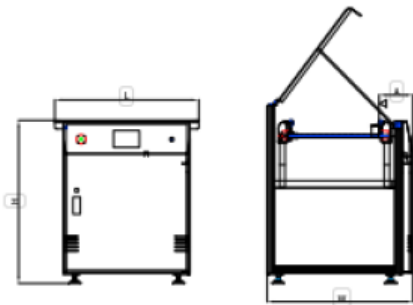
- Pannasonci PLC Program control.
- User friendly "touch screen" control panel.
- Anti-static conveyor belt.
- Easy way of belt replacement.
- Cylinder stopper at entrance and exit.
- Lifting up/down distance can be set in touch screen
- Step motor for conveyor, speed set in touch screen
- Angle can be set in touchscreen. Angle range 3--7degree.
- Heavy bottom design to prevent shifting.
- PCB 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
- Conveyer 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: 3-7degree 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.



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SNC330	800*980*1440	50*50-500*460	150KG

* Customized is available

PCB Handling Machines Wave Solder Inloading Conveyor



Descriptions

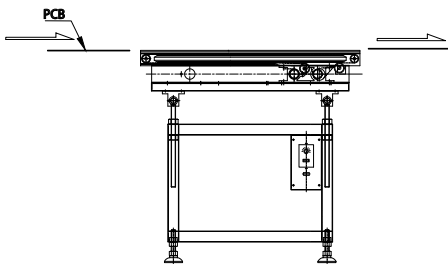
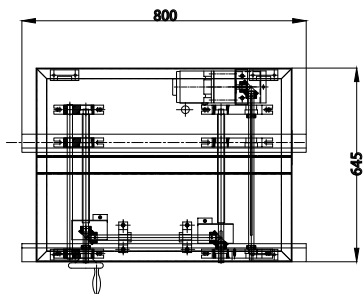
This conveyor is used to feed PCB's or pallets into wave soldering machine.

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 \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SBF330	1000*600*1100	50*50-445*330	35KG
SBF460	1000*730*1100	50*50-530*460	45KG

* Customized is available

PCB Handling Machines Wave solder unloader conveyo



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

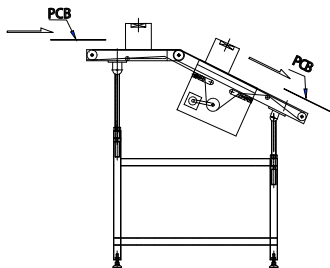
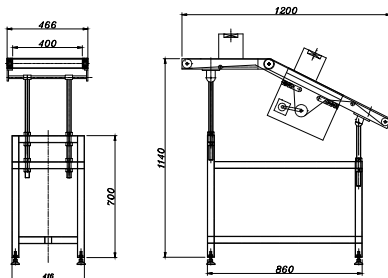
- Aluminum conveying guide rail.
- 400mm belt
- Adjustable speed.
- Adjustable angle.
- Equipped with 2 groups of cooling fan.

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.



Model	Dimension (L*W*H.MM)	Effecton PCB size	Weight(KG)
SUB330	1200*600*1100	50*50-445*330	35KG
SUB460	1200*730*1100	50*50-530*460	45KG

* Customized is available

PCB Handling Machines Insertion conveyor Series



Descriptions

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

Standard features

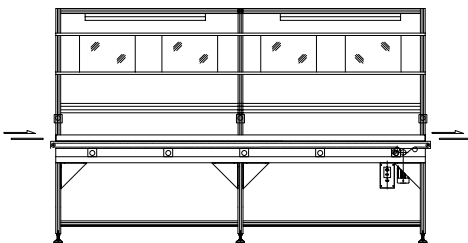
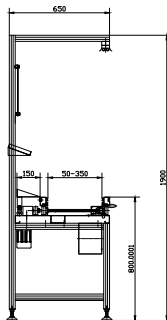
- Aluminum conveying guide rail
- Conveyor width adjustment using hand crank
- Conveying motor driven by inverter
- Equipped with LED light
- Equipped with 2 component trays
- Equipped with process card bracket
- 35B pin chain(5mm)

Technical specifications

- Transport height: 800±20mm or Specify
- Transfer direction: Left to right
- Operation side: Front of the machine
- Conveyer 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.

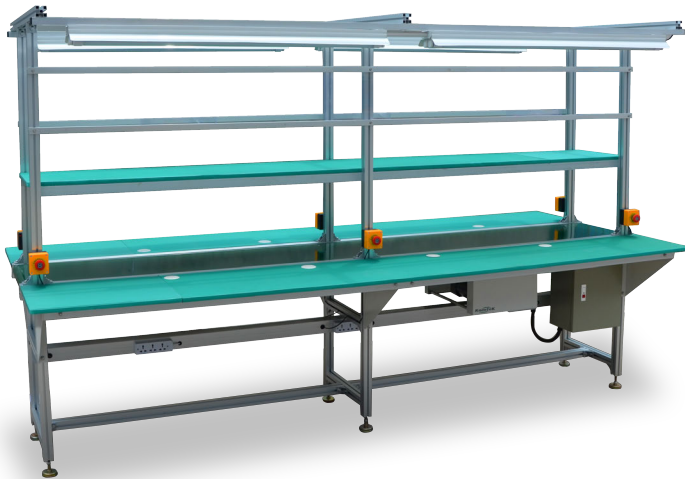


Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)
SUM330	3000*650*1900	50*350	86KG

* Customized is available

PCB Handling Machines

ESD belt conveyor



Descriptions

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

Standard features

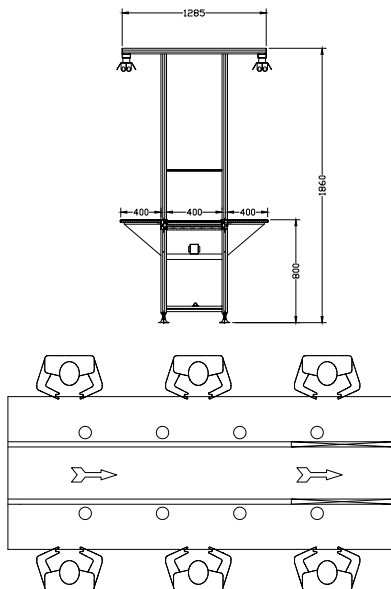
- Aluminum conveying guide rail
- 400mm width ESD belt
- Conveying motor driven by inverter
- Equipped with LED light
- Equipped with multifunction socket
- Equipped with process card bracket
- Equipped with tool storage plate

Technical specifications

- Transport height: 800mm \pm 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.



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SUH330	3000*1285*1860	400	86KG

* Customized is available

PCB Handling Machines

Single Side PCB Cleaner



Descriptions

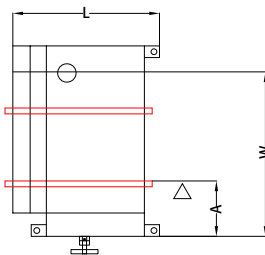
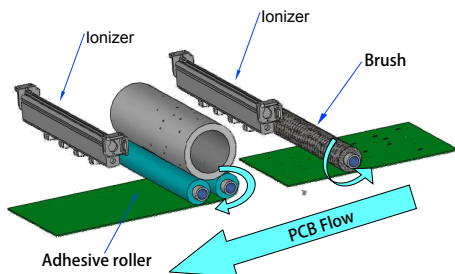
This unit can remove glass fiber, dust particles, etc. on top surface of PCB before solder paste printing, and improve production yield. Especially suitable for PCB which is mounted extremely small components

Standard features

- Pannasonic 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 \pm 30mm
- Transfer direction: Left to right
- Operation side: Front of the machine
- Fixed rail: Front of the machine
- Interface: SMEMA
- Conveyer 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: \pm 8 seconds



Options

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

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SQC330	550*680*1200	50*50-445*330	120KG
SQC460	550*850*1200	50*50-530*460	160KG

* Customized is available

PCB Handling Machines ESD Magazine Rack Series



G-6000T SMT Magazine

Surface Resistance: $10^4-10^6 \Omega$
 Overall Size: 355*315*580, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 350*(80-250)mm.
 Side guide slot: depth 3.5mm, width 8mm, pitch 10mm
 The top and bottom board are made of plastic. Stationary type.
 Adjustable through screws.



G-6001 SMT Magazine

Surface Resistance: $10^4-10^6 \Omega$
 Common type and heat-resistance type are available.
 Overall Size: 355*320*563, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 350*(50-250)mm.
 Side guide slot: depth 3.5mm, width 5mm, pitch 10mm
 The top and bottom board are made of metal.
 Gear track allow easy operation.



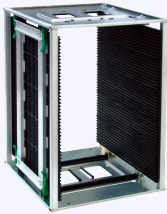
G-6000 SMT Magazine

Surface Resistance: $10^4-10^6 \Omega$
 Overall Size: 355*315*580, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 350*(80-250)mm.
 Side guide slot: depth 3.5mm, width 8mm, pitch 10mm
 The top and bottom board are made of plastic. Stationary type.
 Adjustable through screws.



G-6000E SMT Magazine

Surface Resistance: $10^4-10^6 \Omega$
 Common type and heat-resistance type are available.
 Overall Size: 355*320*563, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 350*(50-250)mm.
 Side guide slot: depth 3.5mm, width 5mm, pitch 10mm
 The top and bottom board are made of Plastic.
 Gear track allow easy operation.



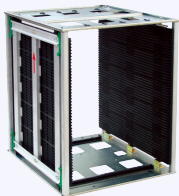
G-6002 SMT Magazine

Surface Resistance: $10^4-10^6 \Omega$
 Common type and heat-resistance type are available.
 Overall Size: 460*400*563, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 460*(50-330)mm.
 Side guide slot: depth 3.5mm, width 5mm, pitch 10mm
 The top and bottom board are made of metal.
 Gear track allow easy operation.



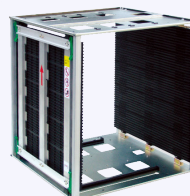
G-6002T SMT Magazine

Surface Resistance: $10^4-10^6 \Omega$
 Common type and heat-resistance type are available.
 Overall Size: 460*400*563, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 460*(50-330)mm.
 Side guide slot: depth 3.5mm, width 5mm, pitch 10mm
 The top and bottom board are made of metal. Stationary type.
 Adjustable through screws.(Allowed to be put in ageing chamber)



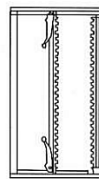
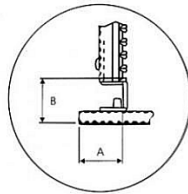
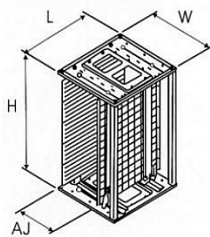
G-6003 SMT Magazine

Surface Resistance: $10^4-10^6 \Omega$
 Common type and heat-resistance type are available.
 Overall Size: 535*460*570, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 535*(50-390)mm.
 Side guide slot: depth 3.5mm, width 5mm, pitch 10mm
 The top and bottom board are made of Plastic.
 Gear track allow easy operation.

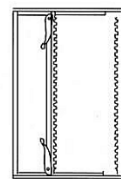


G-6004 SMT Magazine

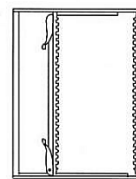
Surface Resistance: $10^4-10^6 \Omega$
 Common type and heat-resistance type are available.
 Overall Size: 535*530*570, Can accommodate 50 pieces of PCB.
 Specifications of PCBs to be accommodated: 535*(120-460)mm.
 Side guide slot: depth 3.5mm, width 5mm, pitch 10mm
 The top and bottom board are made of metal.
 Gear track allow easy operation.



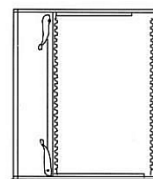
(50-250MM)



(50-330MM)



(50-390MM)



(120-460MM)

Model	Base	Adjust	Heat-resistan Temp(°C)	Outline Dimension(mm)			Ref.Position(mm)		Adjustable Width(mm)	Pitch	PCB Slots	PCB Size(mm)	Weight (kg)
	Material			Depth	Width	Height	A	B					
G-6000T	Metal	Screw Bolt	105	355	315	580	34	34	80-250	10	50pcs	350 x (50-250)	5.1
G-6001	Metal	Rack & Pinion	85/125	355	320	563	34	34	50-250	10	50pcs	350 x (50-250)	5.6
G-6000	Metal	Screw Bolt	85/125/200	355	320	563	34	34	50-250	10	50pcs	350 x (50-250)	5.7
G-6000E	Plastic	Rack & Pinion	85/125	355	320	563	34	34	50-250	10	50pcs	350 x (50-250)	4.1
G-60002	Metal	Rack & Pinion	85/125	460	400	563	34	34	50-330	10	50pcs	460 x (50-330)	7.6
G-6002T	Metal	Screw Bolt	85/125/200	460	400	563	34	34	50-330	10	50pcs	460 x (50-330)	7.7
G-6003	Metal	Rack & Pinion	85/125	535	460	570	34	41	50-390	10	50pcs	535 x (50-390)	10.5
G-6004	Metal	Rack & Pinion	85/125	535	530	570	34	41	50-460	10	50pcs	535 x (50-460)	12.7



**SHENZHEN
SOUTHERN MACHINERY
SALES AND SERVICE CO.,LTD**

Address: Block 3, Jinyun COFCO, Qianjin 2nd
Road ,Baoan District Post code: 518101

Tel : (86)13602562576 (M)
(86 755) 83203237 (O)

WhatsApp: 86 13602562576

Email: jasonwu@smthelp.com

Website:[www. smthelp.com](http://www.smthelp.com)

Skype: jasonwuic