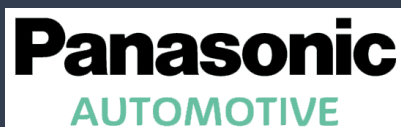




***INSERCIÓN SMT Y  
SUMINISTROS***

# ➤ ***OUR CLIENTS:***



## About us?

The ISS team has over 20 years of experience in insertion equipment and SMT. We maintain the philosophy of providing spare parts and services for automatic insertion machines, SMT, Solder Paste, wave soldering machines, panelizing equipment, energy-free stencil washers and offer the highest quality of customer service.

## Mission

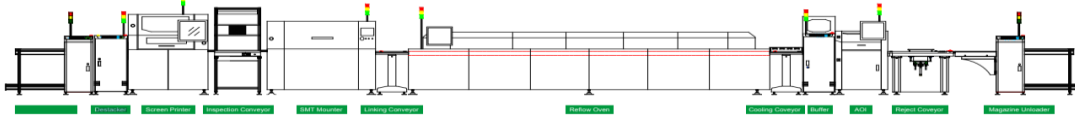
SMT y Servicios has the mission of serving its clients by providing advanced, accurate and effective engineering solutions that improve their clients' businesses, with competitive, safe and sustainable Technology and Costs.

## Vision

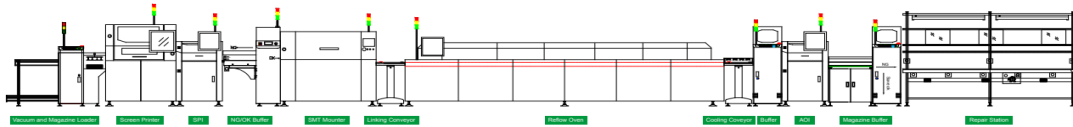
SMT y Servicios aspires to be a leading international Engineering group, with a priority presence in the areas of electronic assembly, Service, SMT Processes, automatic insertion and automation. Providing solutions to SMT Equipment, Insertion and peripheral equipment.

# SMT Production Lines

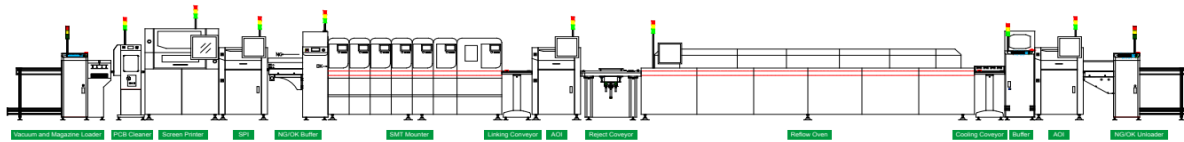
## Economic SMT Production Line



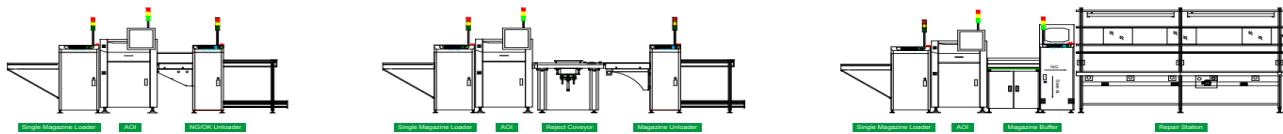
## Medium-Volume SMT Production Line



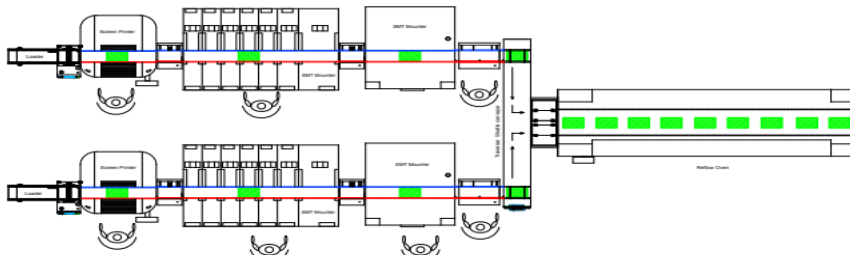
## High-Volume Fully Automatic SMT Production Line



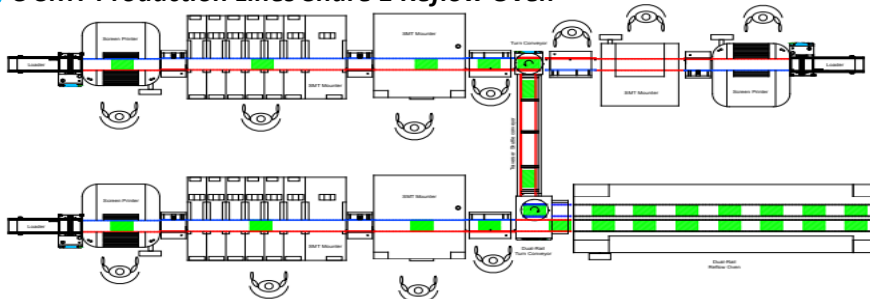
## Automated Optical Inspection Line



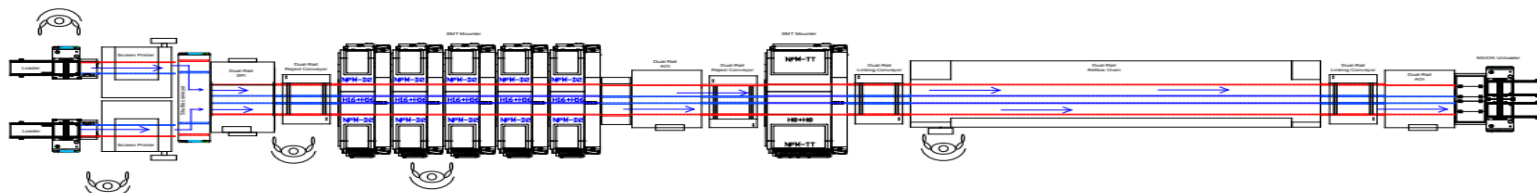
## 2 SMT Production Lines Share 1 Reflow Oven



## 3 SMT Production Lines Share 1 Reflow Oven



## Dual Rail SMT Production Line



ISS

*If you want detailed information like production dimension , specification and description about our smt prodcution solution,pls sent your requirement to [ventas@iyss.com.mx](mailto:ventas@iyss.com.mx),and if you want specify smt production solution,we can offer you customized solution too.*

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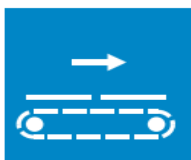
## Thru-hole Series ➤ 29

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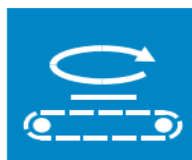
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CONVEYOR



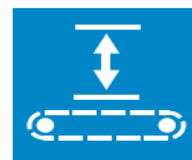
TURN



FLIP



LIFT



SHUTTLE



BUFFER



UNLOADER



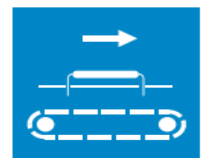
LOADER



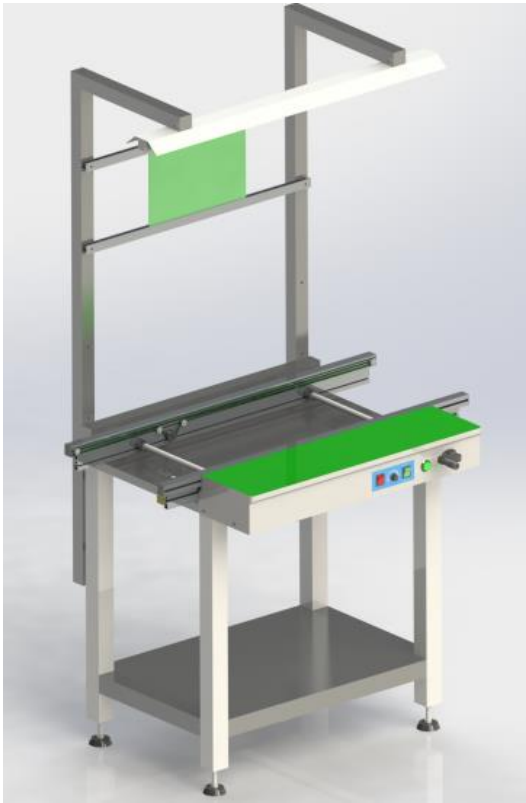
CLEANER



THRU-HOLE



# PCB Handling Machines Inspection Conveyor Series

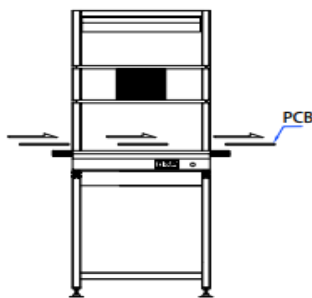
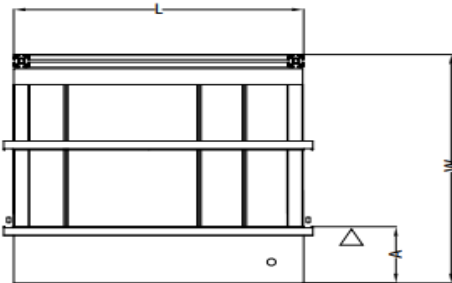


## Descriptions

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

## Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)
ISUS-350L	500 X 676 X 900	50*50-445x350	55 KG
ISUS-350XL	500 X 786 X 900	50*50-460x460	70 KG
ISUS-1000L	1000 X 676 X 900	50*50-448x350	80 KG
ISUS-1000XL	1000 X 786 X 900	50*50-430x460	90 KG



# PCB Handling Machines Linking Conveyor Series

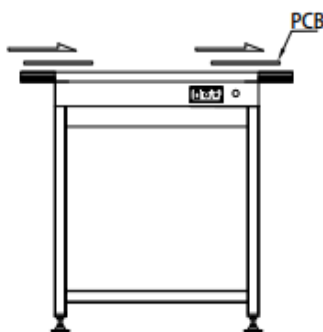
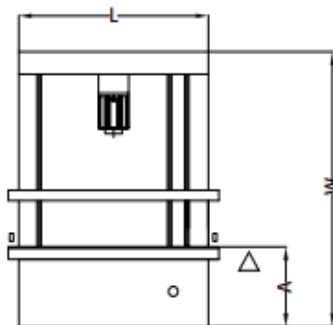


## Descriptions

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

## Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)
ISUS-350C	500 X 676 X 900	50*50-445x350	55 KG
ISUS-1000C	1000 X 786 X 900	50*50-460x460	70 KG
ISUS-350N	500 X 1046 X 900	50*50-330x250	80 KG
ISUS-1000N	1000 X 1046 X 900	50*50-330x250	95 KG

# PCB Handling Machines High Version Conveyor Series

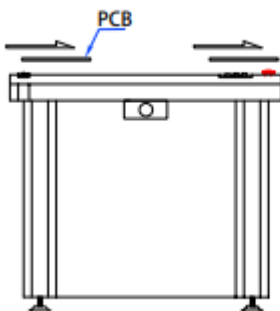
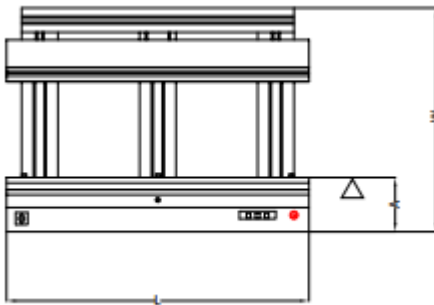


## Descriptions

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

## Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)
ISUS-H50	500 X 745 X 900	50*50-445x350	65 KG
ISUS-H100	1000 X 745 X 900	50*50-460x460	80 KG

# PCB Handling Machines

## Reject Conveyor Series



### Descriptions

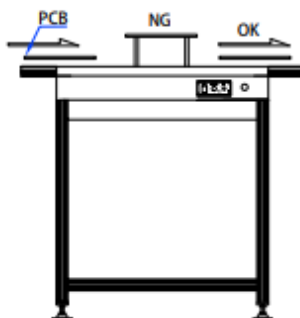
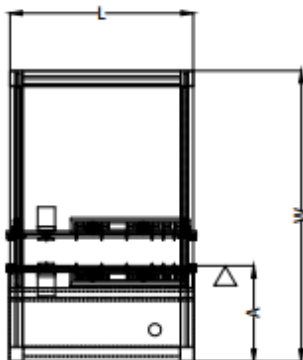
*The unit installed after AOI for separated NG board for visual inspect and good board will pass through without stopping.*

### Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)
ISUS-T50	500 X 765 X 900	50*50-445x330	65 KG
ISUS-T100	1000 X 795 X 900	50*50-460x460	80 KG



# PCB Handling Machines High Version Reject Conveyor Series



## Descriptions

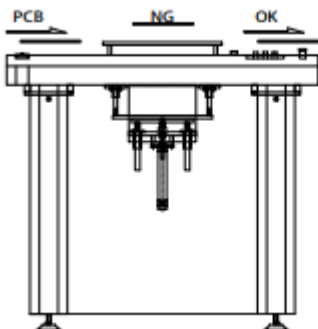
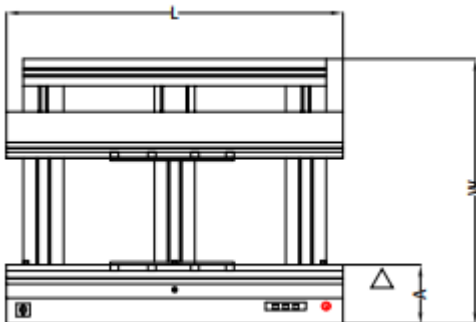
*The unit installed after AOI for separated NG board for visual inspect and good board will pass through without stopping.*

### Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)
ISUS-HT50	500 X 765 X 900	50*50-445x330	75 KG
ISUS-HT100	1000 X 795 X 900	50*50-460x460	80 KG

# PCB Handling Machines Telescopic Conveyor Series



## Descriptions

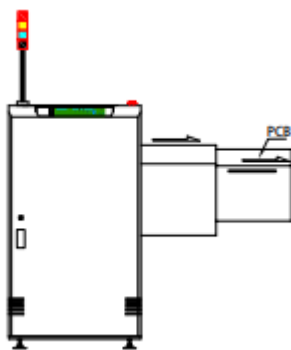
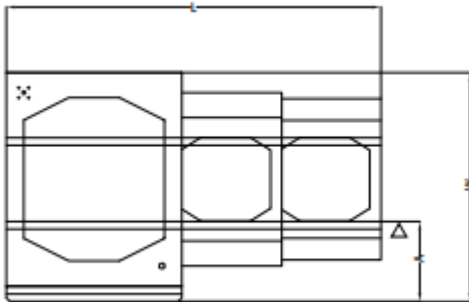
The unit provides a 'normal open' passage in a PCB assembly line. An integrated conveyor segment slides across the opening to deliver PCB to downstream machine.

## Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)
ISUSAC330	1500 X 850 X 1300	50*50-445x330	240 KG
ISUSAC330	2000 X 850 X 1300	50*50-460x460	260 KG



# PCB Handling Machines Lowering Gate 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

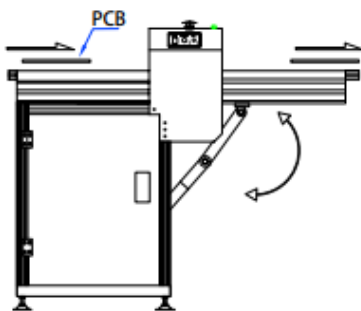
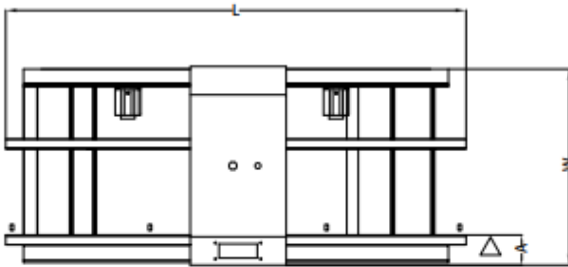
- Panasonic PLC Program control.
- Fully enclosed design.
- Normal Opened.
- Electrically driven for smooth extension and retraction.
- Smooth and parallel width adjustment.(lead screw)
- SMEMA compatible.

## 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: 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.



MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	Remark
ISUSLC400W-N	1300 X 570 X 1050	50*50-445x400	180 KG	

# Handling Machines Manual Lift Gate Conveyor Series



## Descriptions

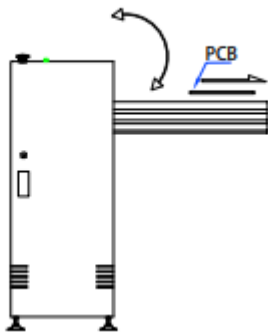
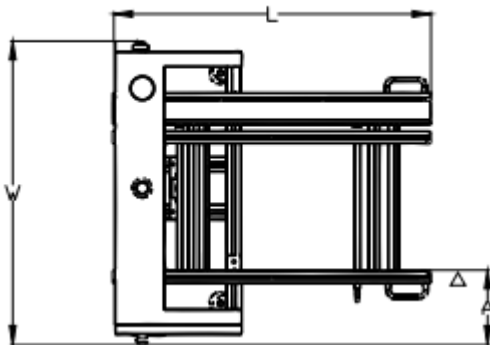
*By manual lifting the conveyor section, access is gained to the rear of the line.*

## Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	Remark
ISUSGC330	1000 X 730 X 1050	50*50-445x400	180 KG	
ISUSGC460	1000 X 860 X 1050	50*50-530x460	200 KG	

# 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

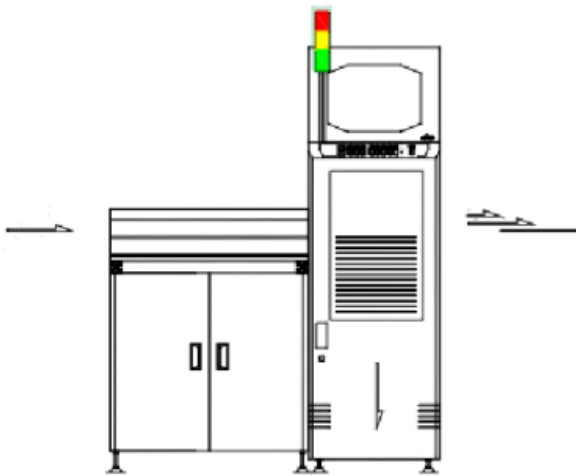
- Panasonic PLC Program control.
- Selectable pitch settings.
- Flexible platform to suit standard magazines
- Exchange magazine from the rear of the machine.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- User friendly "soft touch" LED membrane 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.



MODELO	DIMENSION (L*W*H.MM)	Effecton PCB size	Weight (KG)	Rack size (L*W*H.MM)
ISUSBM250	1150 X 1150 X 1205	50*50-330x250	160 KG	355*320*563
ISUSBM330	1350 X 1350 X 1205	50*50-445x330	220 KG	460*400*563
ISUSBM390	1550 X 1550 X 1205	50*50-530x390	280 KG	535*460*563
ISUSBM460	1750 X 1750 X 1205	50*50-530x460	340 KG	535*530*563

# PCB Handling Machines Multi Magazine Loader Series

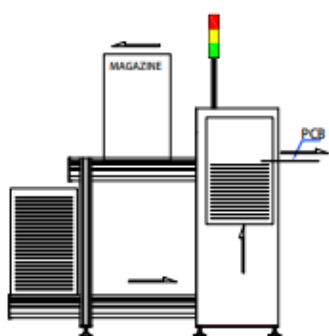
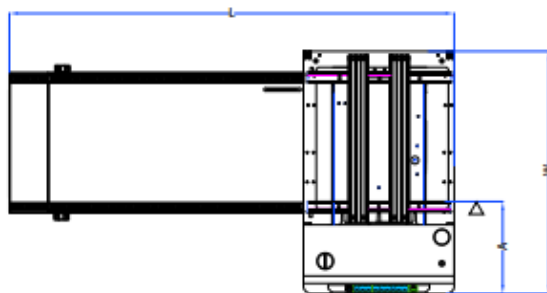


## Descriptions

*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

- 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 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	Rack size (L*W*H.MM)
ISUSLD250	1330 X 765 X 1250	50*50-330x250	140 KG	355*320*563
ISUSLD330	1650 X 845 X 1250	50*50-445x330	200 KG	460*400*563
ISUSLD390	1800 X 909 X 1250	50*50-530x390	240 KG	535*460*563
ISUSLD460	1800 X 970 X 1250	50*50-530x460	300 KG	535*530*563

# PCB Handling Machines Magazine Line Loader Series



## Descriptions

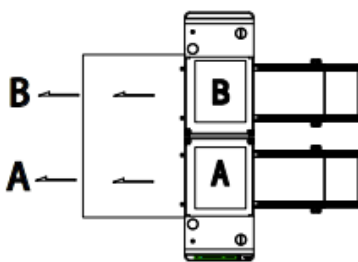
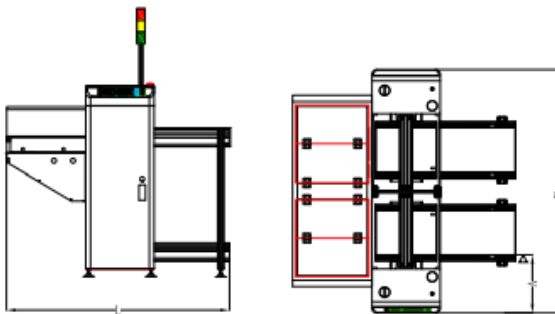
*The unit loads your dual-track production line automatically by pushing PCB's out of a magazine onto the conveyor of the downstream machine.*

## Standard features

- Panasonic 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.

MODELO	DIMENSION (L*W*H.MM)	Effectation PCB size	Weight (KG)	Rack size (L*W*H.MM)
ISUSBH250	1510 X 1530 X 1250	50*50-350x250	320 KG	355*320*563
ISUSBH330	1910 X 1630 X 1250	50*50-460x330	350 KG	460*400*563
ISUSBH390	2160 X 1760 X 1250	50*50-535x390	380 KG	535*460*563
ISUSBH460	2160 X 1900 X 1250	50*50-530x460	460 KG	535*530*563

ISS

# PCB Handling Machines Vaccum board Loader Series



## Descriptions

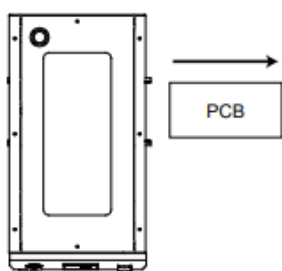
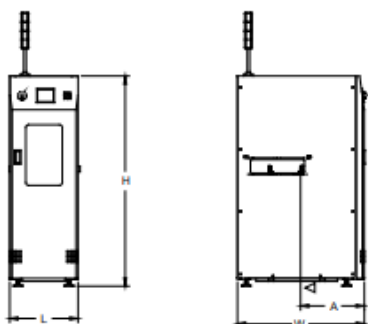
The unit is designed for automatic loading of unpopulated PCB's onto the line using suction cups. The top PCB is lifted from stack and lowered onto belt segment.

### Standard features

- 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 sictopm 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)
ISUSVD250	550 X 940 X 2080	50*50-330x 4000	200 KG



# PCB Handling Machines Vaccum and magazine combo loader



## Descriptions

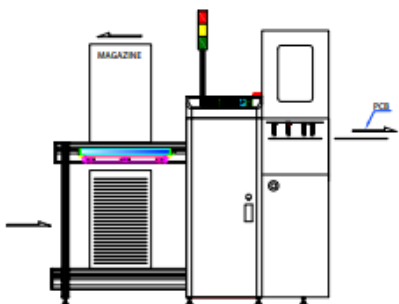
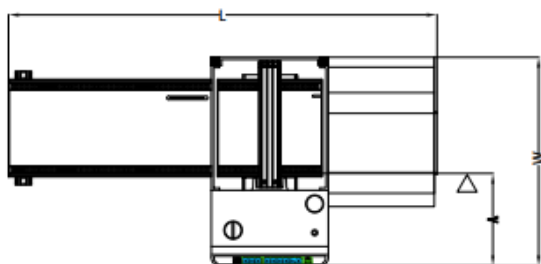
*The unit loads your production line automatically and It is equipped with two PCB loading modes and especially suitable for single-line mode which processes double-sided pcs.*

## Standard features

- Panasonic 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 sictopm 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	Rack size (L*W*H.MM)
ISUSLC250	1450 X 765 X 1520	50*50-330x250	310 KG	355*320*563
ISUSLC330	1850 X 845 X 1520	50*50-445x330	260 KG	460*400*563
ISUSLC390	2060 X 925 X 1520	50*50-530x390	310 KG	535*460*563
ISUSLC460	2060 X 970 X 1250	50*50-530x460	370 KG	535*530*563

# PCB Handling Machines Destacker Series



## Descriptions

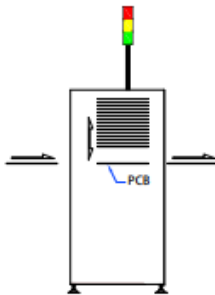
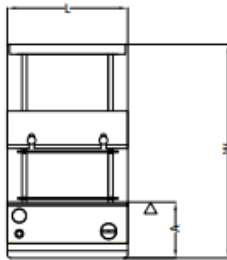
*A large stack of unpopulated PCB's is placed above the ESD belt conveyor. Unique separation cams take one PCB from the bottom of the stack and lowers it onto the ESD belt conveyor.*

## Standard features

- Panasonic 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

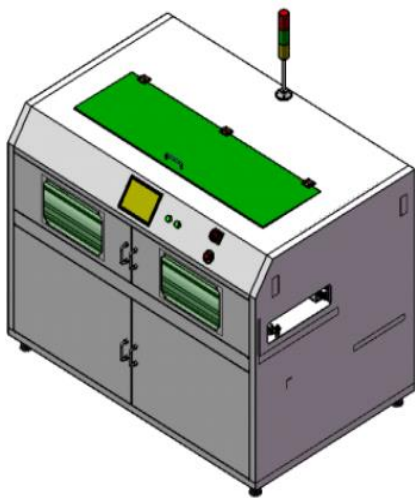


## Options

- 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.

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	PCB storage
ISUSLE330W	550 X 650 X 1200	50*50-330x250	150 KG	200PCS/0.4mm
ISUSLE460W	550 X 890 X 1200	50*50-460x460	200 KG	200PCS/0.4mm

# 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

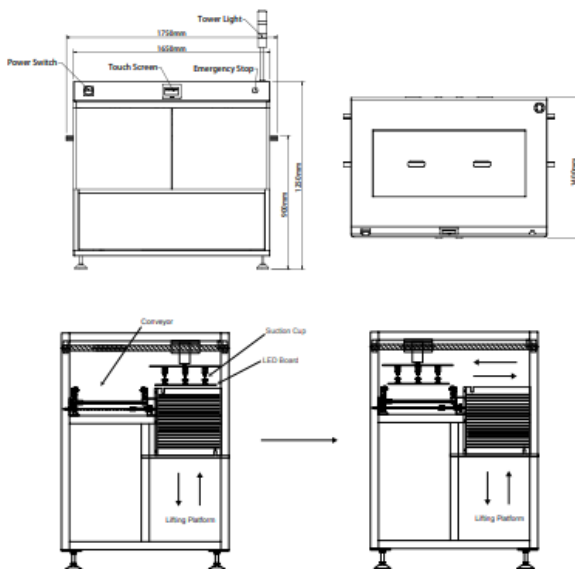
- Panasonic PLC Program control.
- Large stock capacity.
- Empty stack sensor.
- Flexible suction cup positioning.
- Convenient front door stack loading.
- Towerlight display for machine status.
- Automatic width adjustment.
- Auto-correct feature to ensure board lowering onto belt smoothly
- By-pass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

## 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 sictopm 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..



MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	PCB storage
ISUSVL330	1700 X 1200 X 1280	50*50-1300x330	150 KG	200mm or specify

# PCB Handling Machines Magazine Unloader Series



## Descriptions

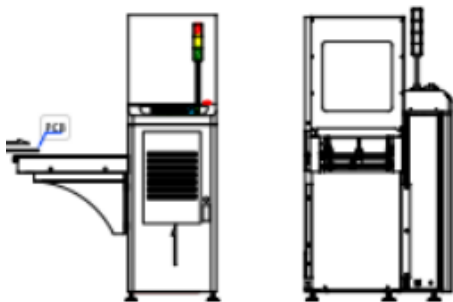
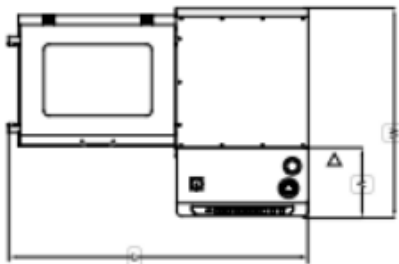
The PCB's are collected from upstream machine using attached conveyor and pushed into the magazine.

## Standard features

- Panasonic 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
- 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: ≥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 mgazine on the lifter platform.  
\* or specify



## Customized function

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

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	Rack size (L*W*H.MM)
ISUSUD250	1140 X 770 X 1630	50*50-330x250	160 KG	355*320*563
ISUSUD330	1220 X 850 X 1630	50*50-445x330	220 KG	460*400*563
ISUSUD390	1890 X 910 X 1630	50*50-530x390	280 KG	535*460*563
ISUSUD460	1350 X 980 X 1630	50*50-530x460	340 KG	535*530*563

# PCB Handling Machines Multi Magazine Unloader Series



## Descriptions

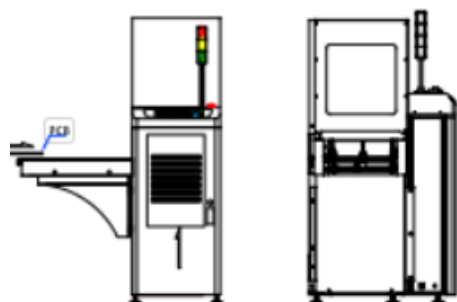
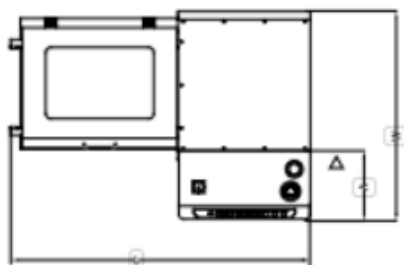
*The unit provides automatic magazine change-over for continuous line unloading. PCB's are collected from an upstream pusher*

## Standard features

- Panasonic 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
- 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: ≥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 mgazine on the lifter platform.  
\* or specify



## Customized function

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

MODELO	DIMENSION (L*W*H.MM)	Effection PCB size	Weight (KG)	Rack size (L*W*H.MM)
ISUSUD250	1140 X 770 X 1630	50*50-330x250	160 KG	355*320*563
ISUSUD330	1220 X 850 X 1630	50*50-445x330	220 KG	460*400*563
ISUSUD390	1890 X 910 X 1630	50*50-530x390	280 KG	535*460*563
ISUSUD460	1350 X 980 X 1630	50*50-530x460	340 KG	535*530*563

# PCB Handling Machines

## NG OK Magazine Unloader

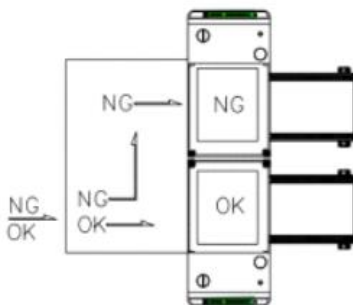
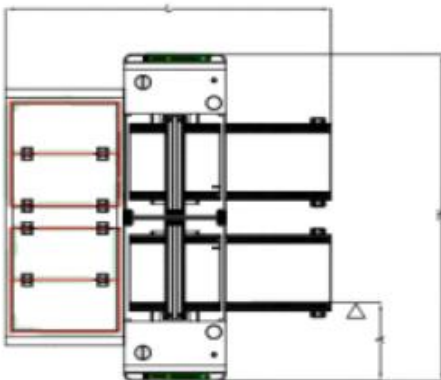


### Descriptions

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

- Panasonic 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 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: --

### 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

MODELO	DIMENSIO (L*W*H.MM)	PCB size (MM)	Weight (KG)	Rack size (L*W*H.MM)
ISUK25				20*563



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