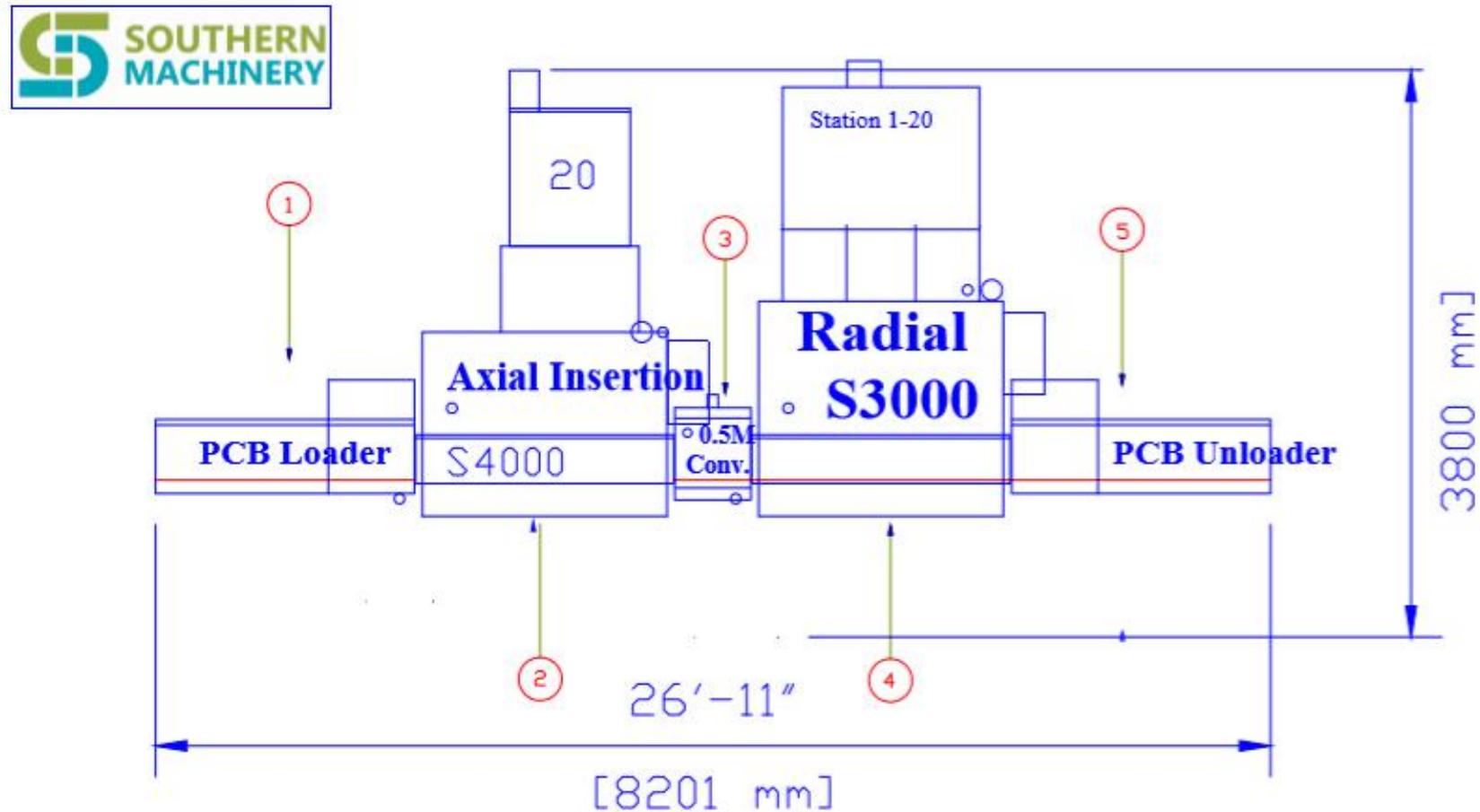


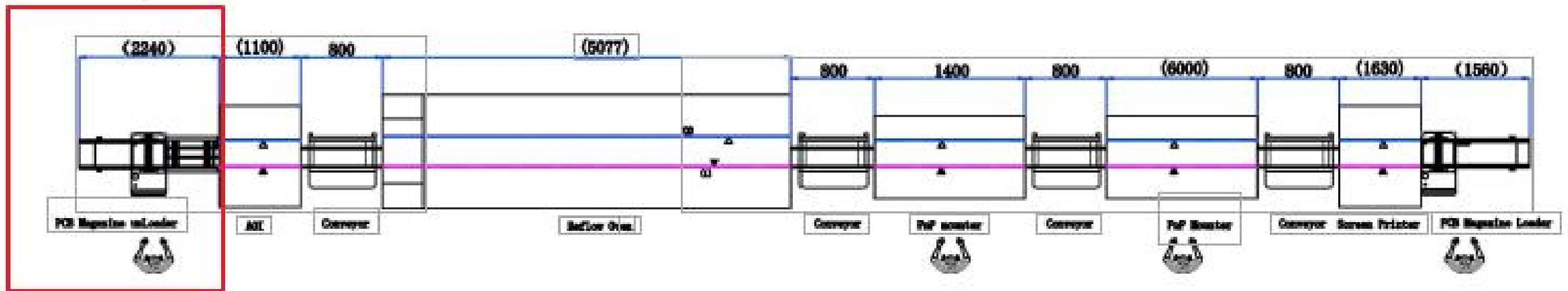
THT production line: Automatic PCB loading with Axial and Radial Insertion machine



BHS: PCB loader

The unit loads your production line automatically by pushing PCB's out of a magazine onto the conveyor of the down-stream machine

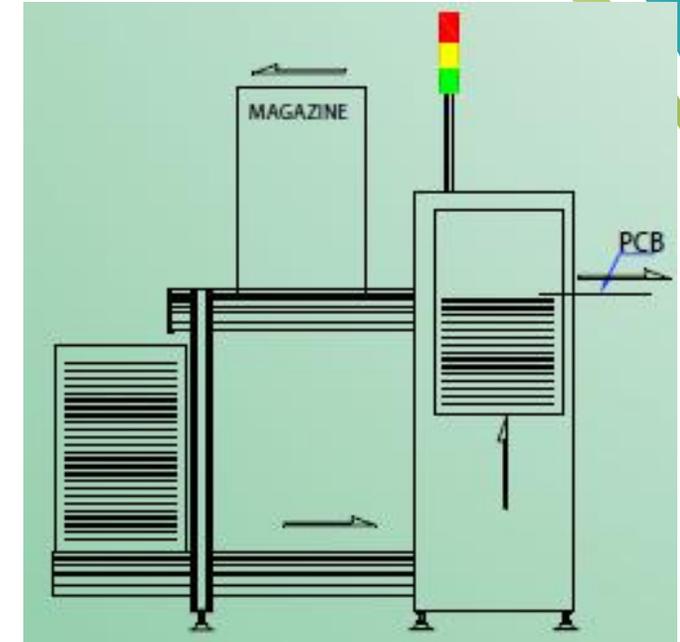
- Magazine Loader
- Bare board loader
- Vacuum loader
- Combo loader



Introduces boards into or removes boards from a production line when magazines are the method of transport. Allows magazines to be placed at the beginning of the same line or another line for further processing.

Standard Features:

- Handles a variety of manufacturers' magazines
- Unloader (input) has a board pusher built into the upline magazine transport
- Six magazine capacity
- Built-in user interface
- PLC control system
- Loader (output) requires a board pusher on preceding conveyor
- Built-in SMEMA compatibility (up-line/down-line modules must be SMEMA active)



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)	Rack size(L*W*H.MM)
SLD250L	1500×870×1200	50*50-350x250	250 KG	355*320*563
SLD330L	1860×950×1200	50*50-460x330	300KG	460*400*563
SLD390L	2100×1000×1200	50*50-535x390	340KG	535*460*563
SLD460L	2100×1080×1200	50x50-535x460	360KG	535*530*563

Description

This unit is used for loading of PCBs from the production line.

Features

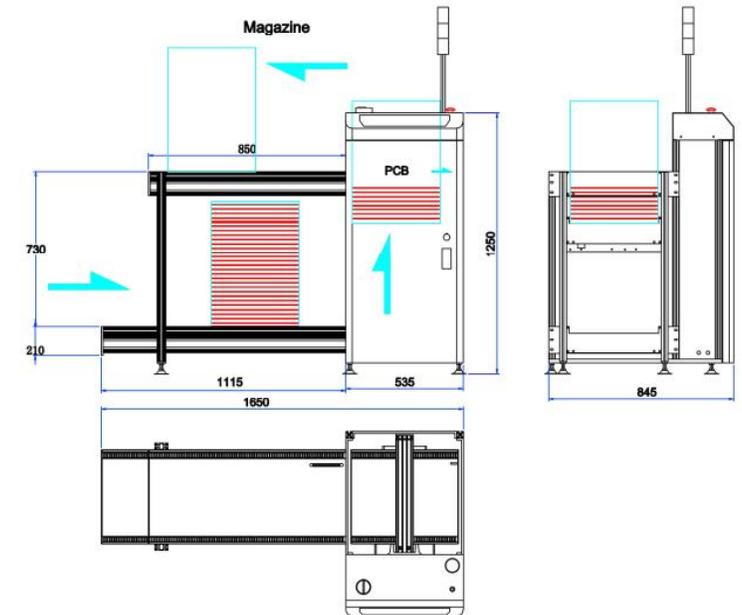
- Sturdy and stable design
- User friendly 'soft touch' LED membrane control panel
- Pneumatic clamps provided for magazine alignment
- Pneumatic pusher's pressure regulated
- High throughput with short magazine change-over time
- SMEMA compatible

Specifications

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



Schematic



Dual magazine line loader

Board handing system loader serial

Description

This unit is used to load your dual-track production line automatically by pushing PCB's out of a magazine onto the conveyor of the downstream machine.

Features

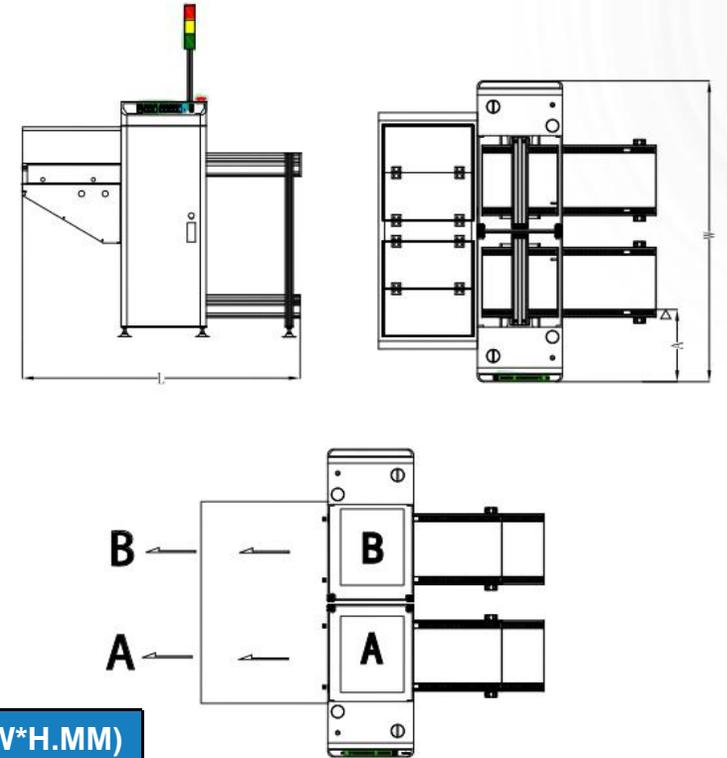
- User friendly "soft touch" LED membrane control panel.
- Flexible platform to suit standard magazines.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- PLC Program control.
- Ball screw driven positioning of shuttle conveyor.
- Automatic magazine alignment by upper and lower pneumatic clamps.
- SMEMA compatible.

Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SLD250L	1450*1550*1250	50*50-350x250	220KG	355*320*563
SLD330L	1650*1780*1250	50*50-460x330	320KG	460*400*563
SLD390L	1980*1900*1250	50*50-535x390	380KG	535*460*563
SLD460L	1980*2150*1250	50x50-535x460	460KG	535*530*563



Schematic



Magazine&destacker combo loader

Board handing system loader serial

Description

This unit is used to load PCBs onto the production line from either magazines or stacks, simplifying double-sided board assembly. Ideal for double-sided assembly. Load bare boards from stacks or partial assemblies from magazines

Features

Selectable pitch 10mm up to 40mm

Diameter 3mm edge round belt

Component clearance: top 80mm bottom 20mm

Conveyor speed: vacuum loading 15s/pc,magazine loading 7s/pc

Stack Height: 200mm

Adjustable transfer height

Interface mounting brackets

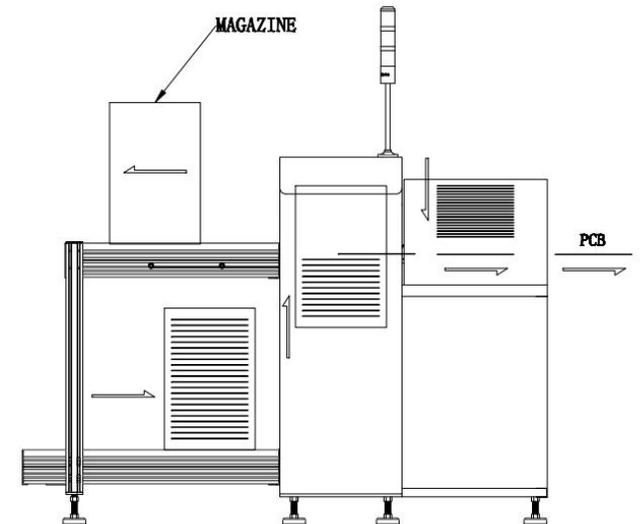
SMEMA compatible

Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SLD250-D	1850×855×1250	50*50-350x250	250 KG	355*320*563
SLD390-D	2320×995×1250	50*50-460x390	340KG	535*460*563



Schematic



Magazine&vacuum combo loader

Board handing system loader serial

Description

This unit used to 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.

Features

PLC Program control.

Vaccum loading, Magazine loading and alternated mode selectable.

Binding function of vaccum loader and magazine loader.

Diameter sictpm pads:5mm or specify

PCB thickness capability: 0.6-4.5mm

PCB stock capability:125mm or specify

Air supply&consumption: 4-6 bar, 10 ltr/min Max

Power supply&consumption:110V /220V, 50 Hz/ 1 Ph, 500V max

Belt speed: 0.5-20m/min adjustable

Transfer direction:L to R

PCB edge support:10mm

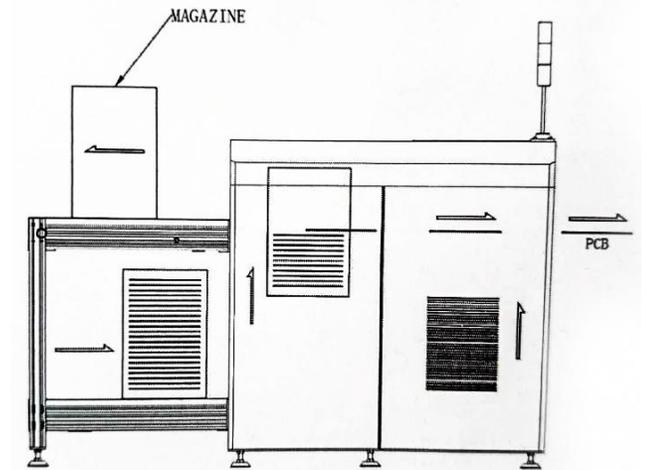
SMEMA compatible

Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SLD250-V	1640×865×1250	50*50-350x250	250 KG	355*320*563
SLD330-V	1950×945×1250	50*50-445x330	300KG	460*400*563
SLD390-V	2270×1110×1250	50*50-535x390	340KG	535*460*563



Schematic



L type magazine loader

Board handing system loader serial

Description

This unit is used for loading or of PCBs.

Features

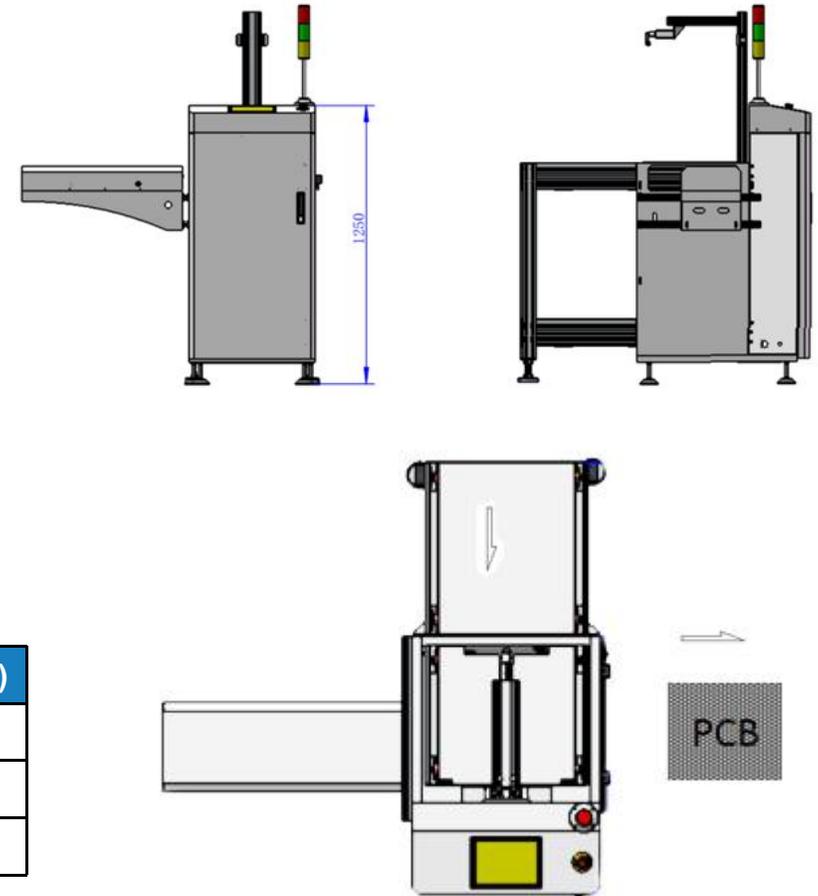
- Specially use in limited workshop
- Sturdy and stable design
- User friendly 'soft touch' LED membrane control panel
- Pneumatic clamps provided for magazine alignment
- Pneumatic pusher's pressure regulated
- High throughput with short magazine change-over time
- SMEMA compatible

Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SLF250	1150*1150*1250	50*50-330*250	160KG	355*320*563
SLF330	1350*1350*1250	50*50-445*330	220KG	460*400*563
SLF390	1550*1550*1250	50*50-530*390	280KG	535*460*563



Schematic&Structure



Description

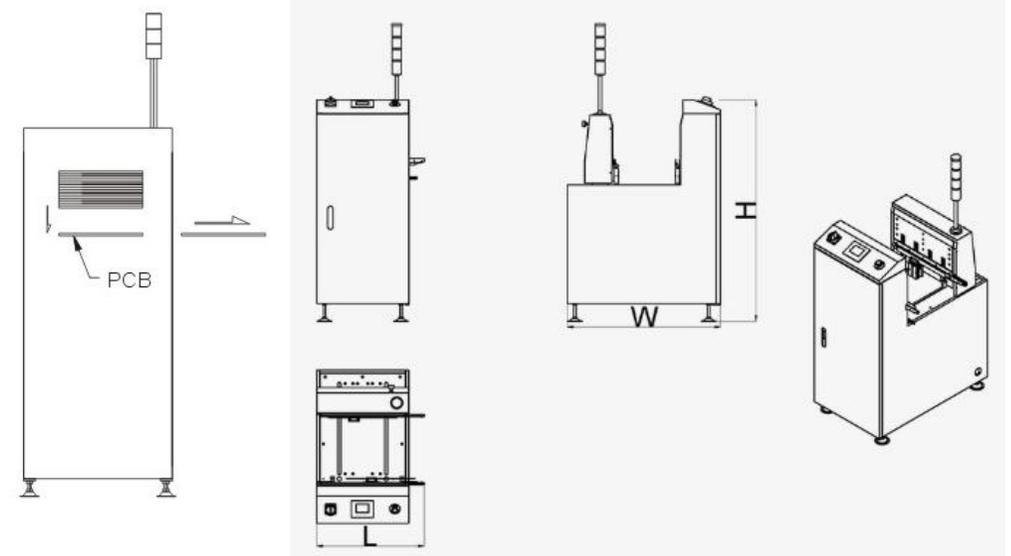
This unit is used for loading of bare PCBs to the production line.

Features

- 200 board stack capability with 0.4 mm board thickness
- Variable speed in/speed out and PLC control System
- Board unload or pass-through mode
- Variable thickness adjust dial and Slide-width adjust
- SMC Cylinder and Fixed front rail
- Adjustable transfer height
- Interface mounting brackets
- SMEMA compatible



Schematic&Structure



Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	PCB storage
SLC330W-B	550*650*1200	50*50-330*250	150KG	200PCS/0.4mm
SLC460W-B	550*890*1200	50*50-460*460	200KG	200PCS/0.4mm

Description

This unit is used for loading the bare PCBs automatically by vacuum in SMT&DIP production line.

Features

Applies to the PLC + touch screen control, easy to operate

Enclosed design ensures highest level of safety

Adjust the position of the suction nozzle to ensure the clamping of PCB

Smooth and parallel width adjustment (leadscrew)

Smooth and accurate translation (stepping motor)

Minimize the transmission gap between conveyors

SMEMA compatible

Transfer direction:L to R. PCB edge support:10mm

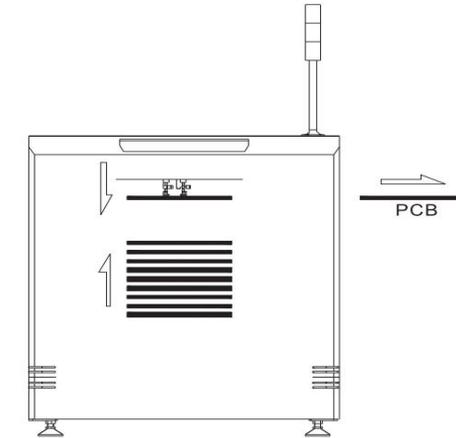
Belt speed: 0.5-20m/min adjustable

Air supply& consumption: 4-6 bar, 30 ltr/min Max

Power supply:110V /220V, 50 Hz/ 1 Ph



Schematic



Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	PCB storage
SVL250	500*980*1200	50*50-445*330	130KG	100~300PCS
SVL330	550*980*1200	50*50-530*460	160KG	100~300PCS
SVL390	600*980*1200	50*50-500*390	180KG	100~300PCS
SVL460	800*980*1460	50x50-535x460	200KG	

Description

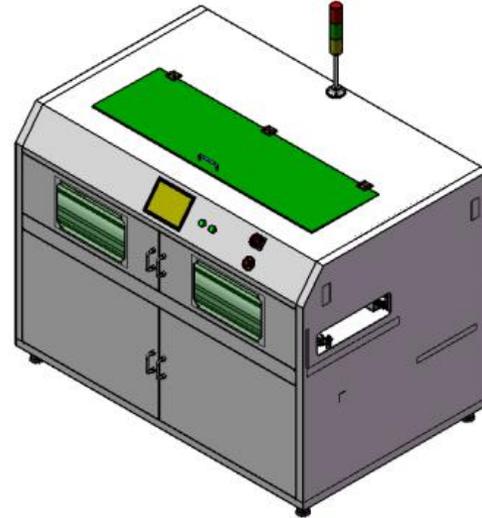
This unit is used for loading the bare LEDs automatically by vacuum to the production line.

Features

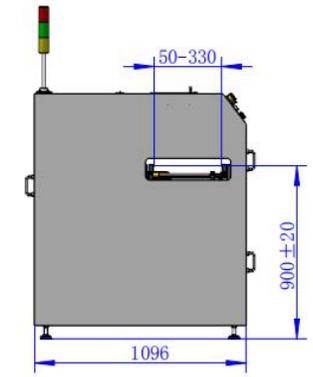
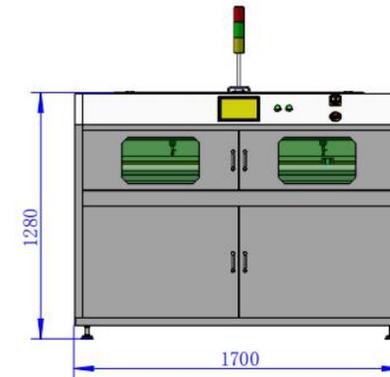
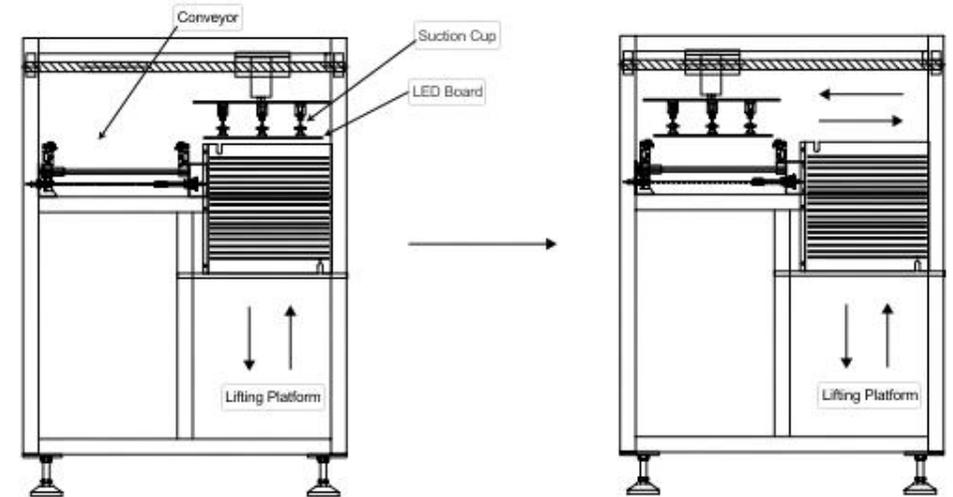
- Applies to the PLC + touch screen control, easy to operate
- Enclosed design ensures highest level of safety
- Smooth and parallel width adjustment (leadscrew)
- Smooth and accurate translation (stepping motor)
- Minimize the transmission gap between conveyors
- Adjust the position of the suction nozzle to ensure the clamping of LED board
- SMEMA compatible
- Transfer direction: L to R. PCB edge support: 10mm
- Belt speed: 0.5-20m/min adjustable
- Air supply & consumption: 4-6 bar, 30 ltr/min Max
- Power supply: 110V / 220V, 50 Hz / 1 Ph

Specifications

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



Schematic&Structure

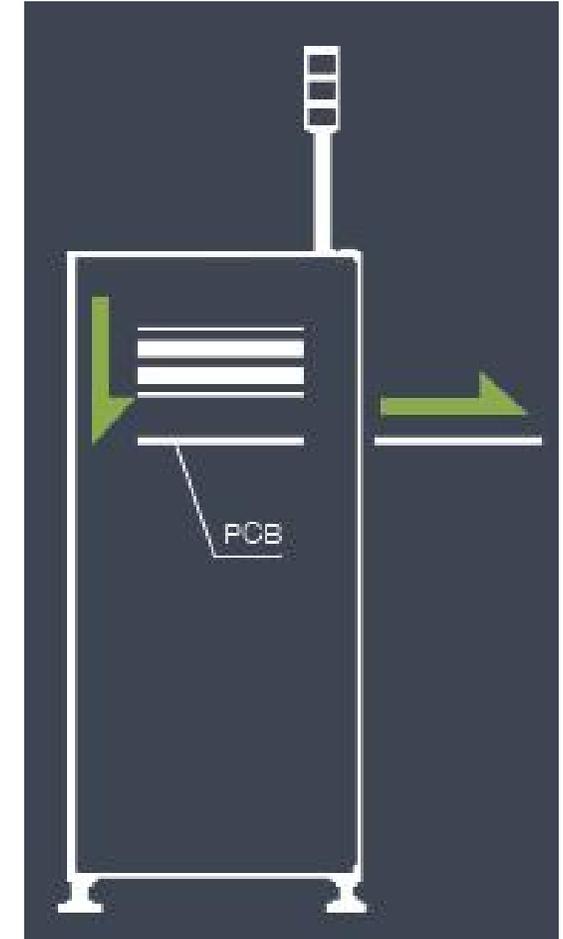




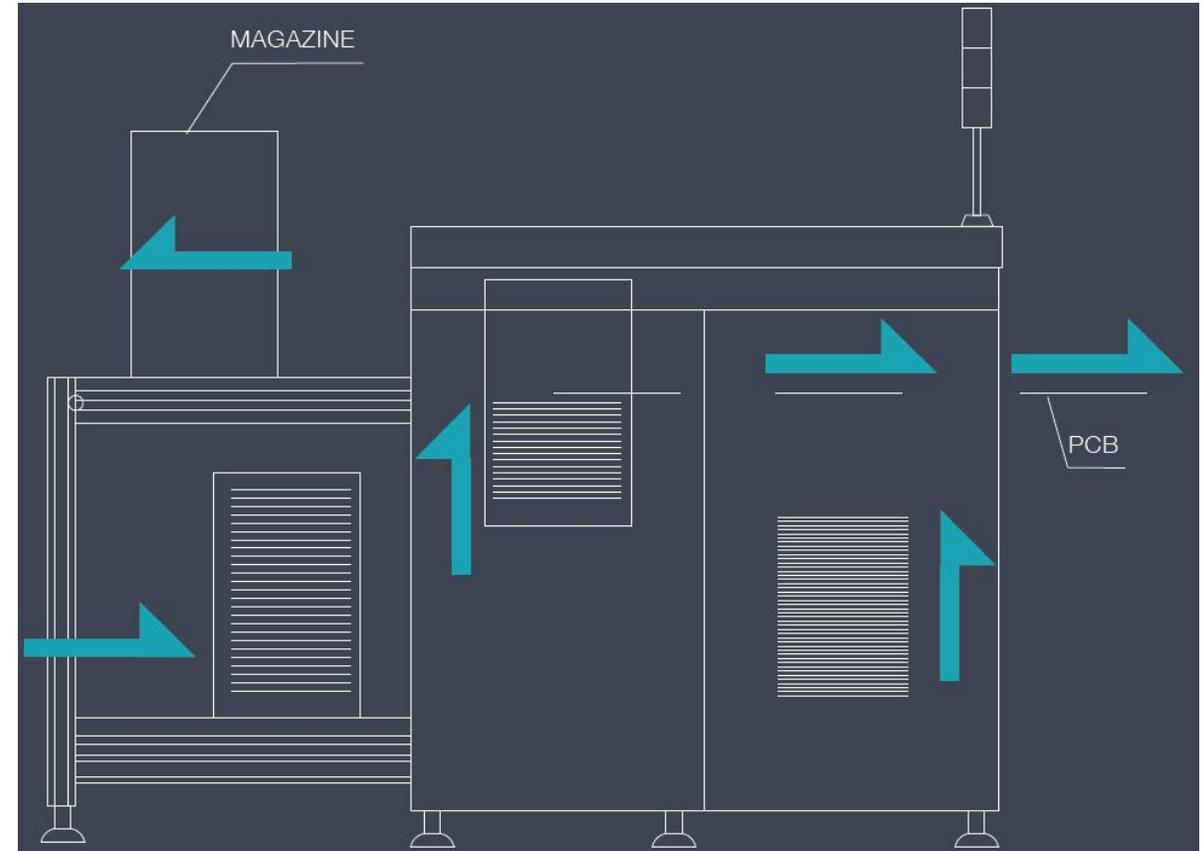
A fast, economical way to dispense bare printed circuit boards into a production line. In a double-pass line, a destack conveyor can load bare boards and a magazine unloader can introduce the second pass populated boards..

Standard Features:

- **200 board stack capability with 0.6 mm board thickness**
- **Variable speed in/speed out**
- **PLC control System**
- **Board unload or pass-through mode**
- **Variable thickness adjust dial**
- **Slide-width adjust**
- **SMC Cylinder**
- **Fixed front rail**
- **Adjustable transfer height**
- **Interface mounting brackets**
- **Built-in SMEMA compatibility**

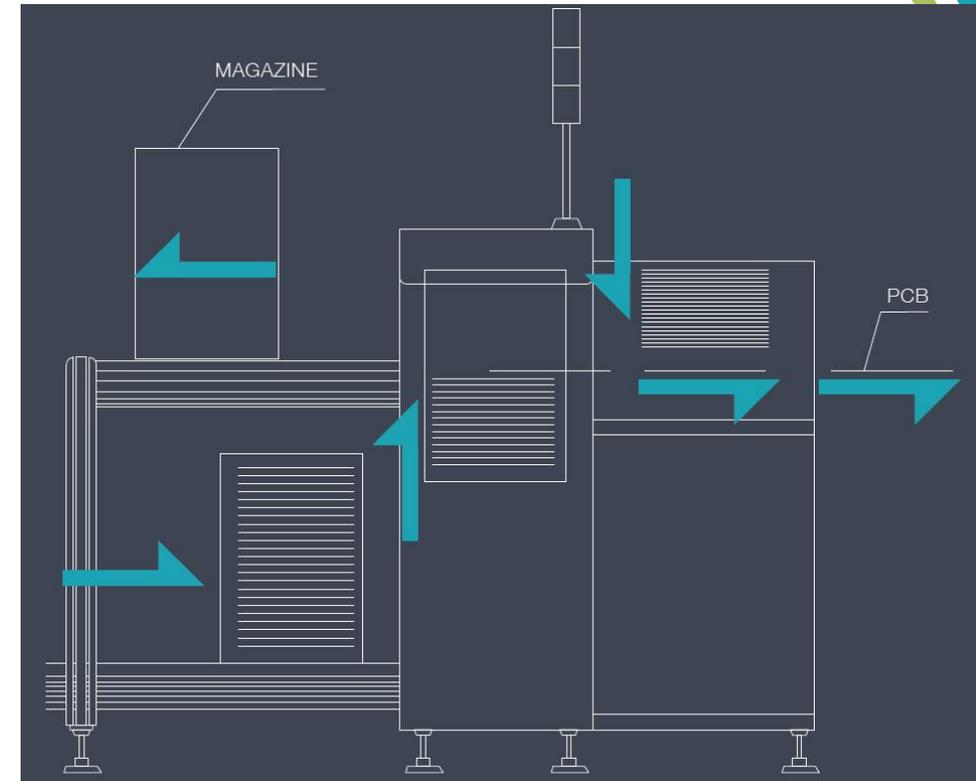


This unit is a combo 2 in 1 by Magazine loader and Vacuum loader





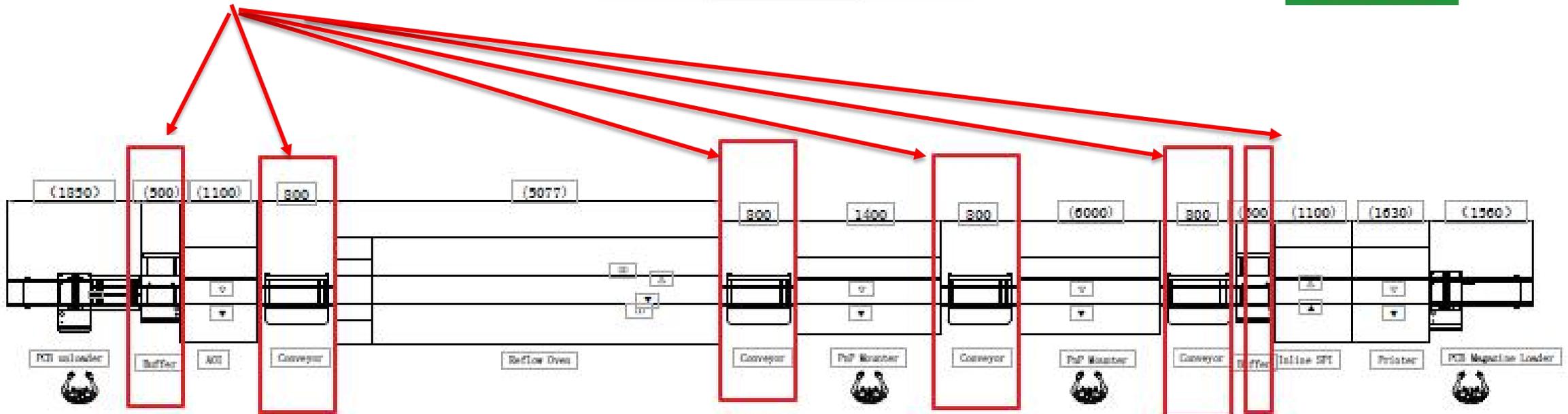
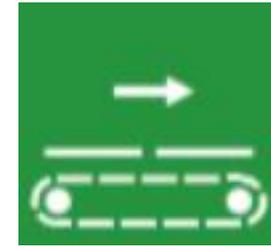
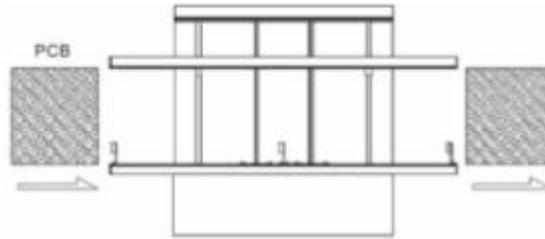
- **Selectable pitch 10mm up to 40mm**
- **Diameter 3mm edge round belt**
- **Component clearance: top 80mm bottom 20mm**
- **Power: AC220V/110V, 50/60 HZ, 1 phase**
- **Air Pressure: 5kgf/cm²**
- **PCB Convey Direction: L-R (Or R-L)**
- **Front rail fixed (or rear rail fixed)**
- **Conveyor height:900+50/-20mm**
- **Stack Height: 200mm**
- **Conveyor speed: vacuum loading 15s/pc, loading 7s/pc**



BHS: PCB Conveyor

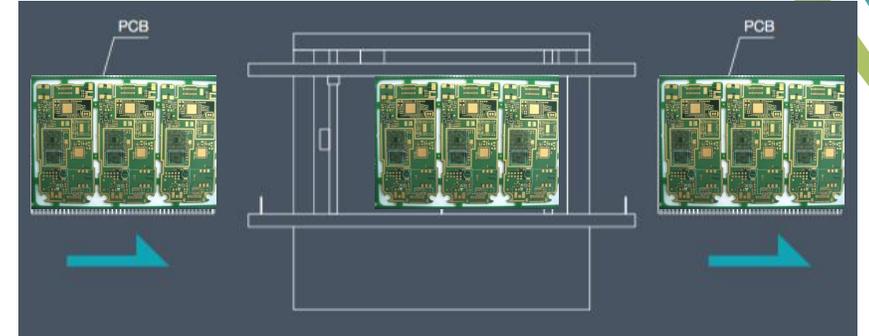
The unit loads your production line automatically by pushing PCB's out of a magazine onto the conveyor of the down-stream machine

- Magazine Loader
- Bare board loader
- Vacuum loader
- Combo loader





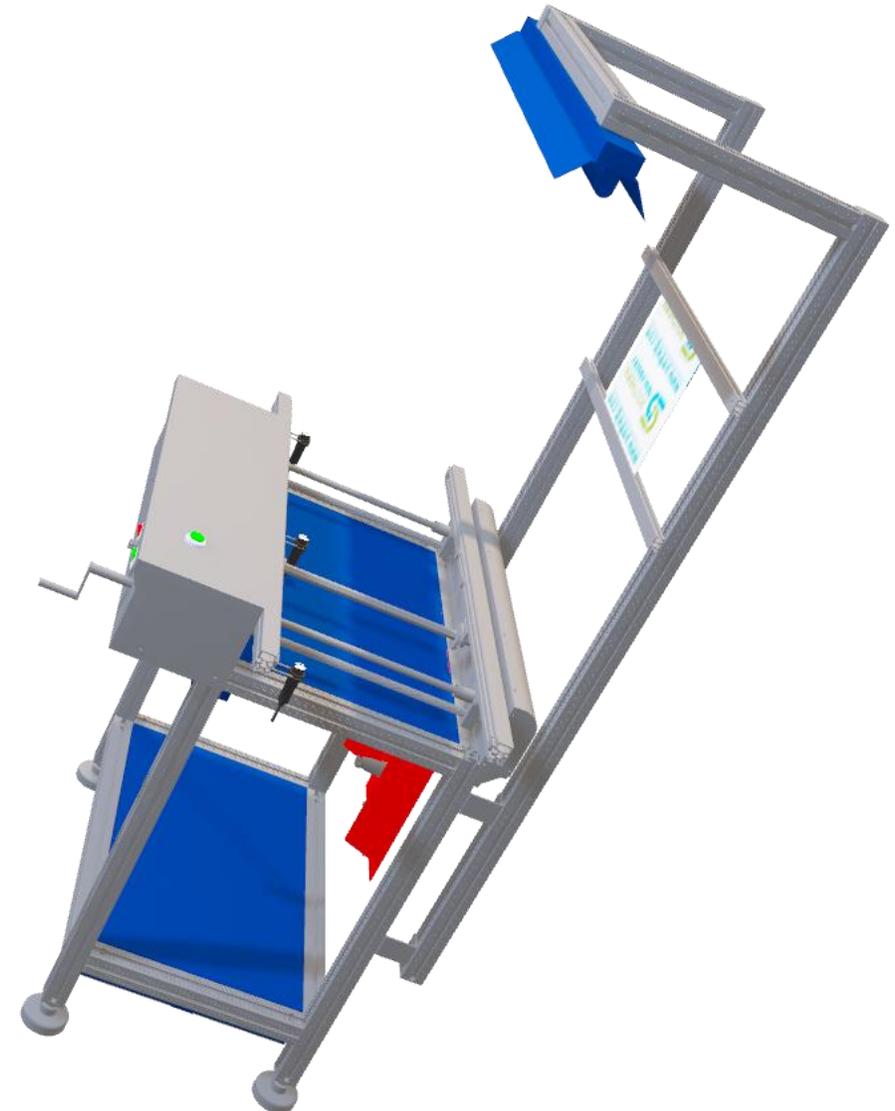
Link between two units and inspect a PCB manually



Item	Model	Length(mm)	Max PCB Width(mm)	Remark
1	S-350C	500	350	No Lighting
2	S-460C	500	460	No Lighting
3	S-350C-L	500	350	With Lighting
4	S-460C-L	500	460	With Lighting
5	S-350D	1000	350	No Lighting
6	S-460D	1000	460	No Lighting
7	S-350D-L	1000	350	With Lighting
8	S-460D-L	1000	460	With Lighting
9	S-350E	1500	350	No Lighting
10	S-460E	1500	460	No Lighting
11	S-350E-L	1500	350	With Lighting
12	S-460E-L	1500	460	With Lighting

**China Best Quality
Conveyor**

1. How length conveyor do you need?
2. What is the maximum width of you PCB?
3. Do you need inspection with lighting
4. Do you need dual rail?
5. Do you need cover with cooling fan?
6. Do you need buffer bad boards?
7. Do you need working table both side?

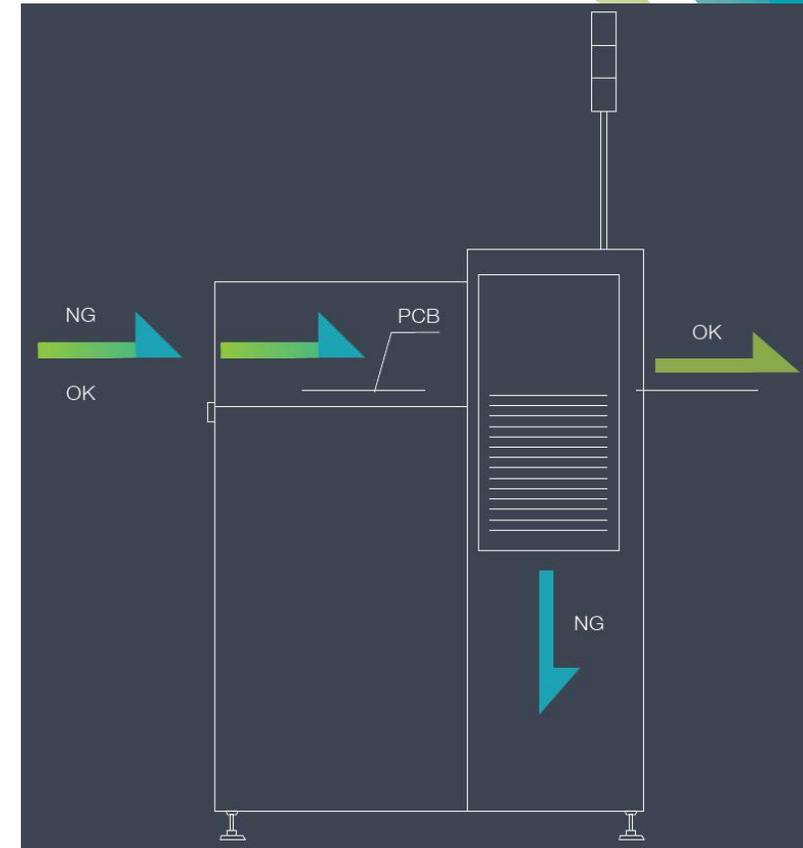


Magazine Buffer



PCB Magazine Type Buffer Technical Parameters

- **Description:** This Device Used For Receiving NG Board Or Memory Board
- **No.Of Magazine:** Upper Conveyor: 1 Magazine; Lower Conveyor:2 Magazine
- **Indexing Pitch:** 10.20.30.40mm Or Specify
- **Power Source:** AC 110 Volts Or 220 Volts; Single Phase
- **Power Consumption:** Max 250VA
- **Air Pressure & Air Consumption:** 4-6bar, 15ltr/Min
- **Transport Height:** 900±20MM
- **Transport Direction:** From Left To Right Or Right To Left

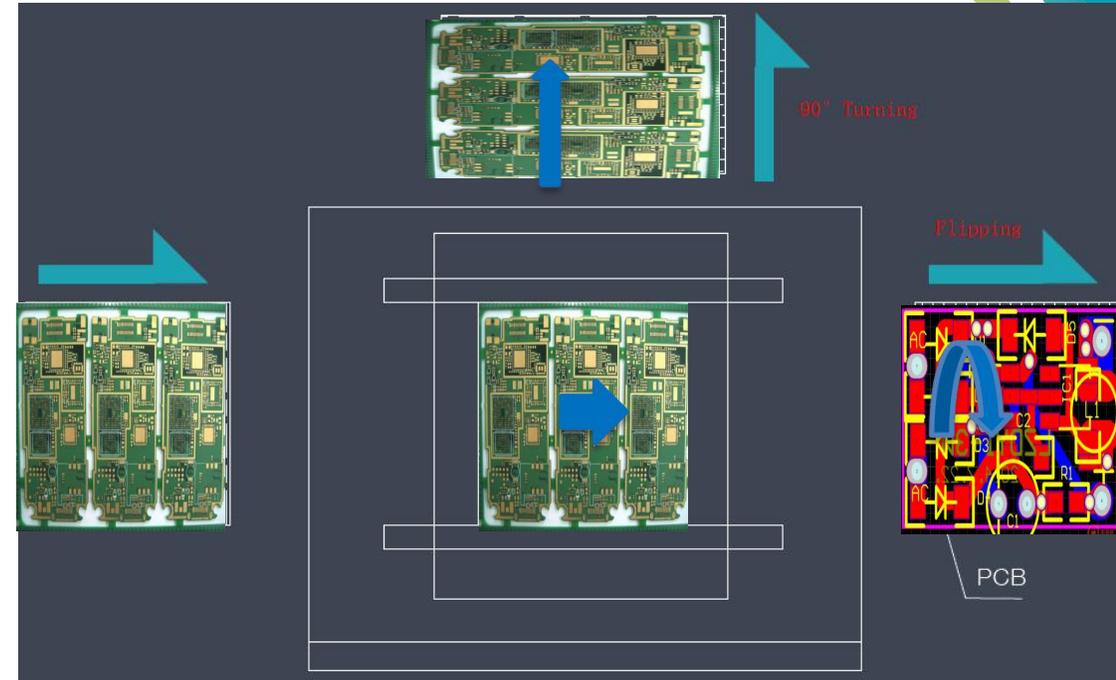


Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)	Rack size(L*W*H.MM)
SBM250	1150*1150*1205	50*50-330*250	160KG	355*320*563
SBM330	1350*1350*1205	50*50-445*330	220KG	460*400*563
SBM390	1550*1550*1205	50*50-530*390	280KG	535*460*563
SBM460	1750x1750x1205	50x50-530x460	340KG	535*530*563

PCB Conveyor: Flipping / Turnover

used for changing the direction of flow of a PCB assembly line.

- **Pneumatic stopper to keep PCB in position during inverting.**
- **Conveyor width adjustment using hand crank.**
- **Controlled by Omron PLC.**
- **By-pass mode selectable.**
- **Used to invert PCBs(180) for double sided process**
- **Cycle Time: Approx. 5 seconds**
- **Power Source: 230VAC 1ph 150VA max.(Option:100VAC)**
- **PCB Thickness: 0.6mm min**



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
S-K250	550*650*1350	50*50--250*330	170KG
S-K330	550*680*1200	50*50--330*450	185KG
S-K390	550*780*1200	50*50--390*530	220KG
S-K460	550*850*1200	50*50--460*53	260KG

Description

This unit is used as a visual inspection station for operators between SMT machines or board hand unit to link the machines.

Features

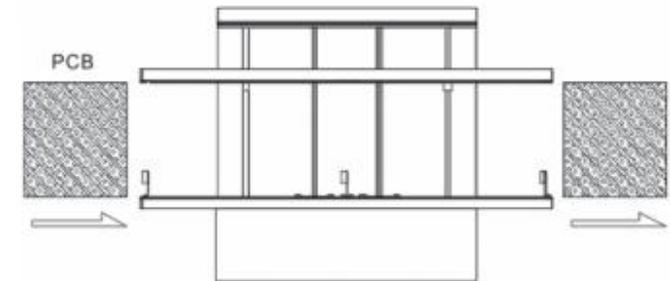
- Modular design, PLC controlled
- Stability enhanced by heavy design
- Worktable included by default
- Smooth and parallel width adjustment (stainless steel screws)
- Different lengths available upon request
- Multi- segment concept available upon request
- Automatic/Manual modes
- Variable speed control
- Inspection button
- SMEMA compatible
- Conveyor height 900±20mm



Options

- Anti-dust Covers
- Touch screen
- High-Clearance on request
- Cooling fans on top/bottom for after-reflow
- Light system for better inspection
- Support for Monitor
- Shelf with ESD component boxes
- Motorized/Automatic width adjustment
- Choice of different belt width and chain transport system
- Mechanical stopper
- Foot pedal pass control
- Narrow footprint
- With bottom cabinet

Schematic



Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Remark
S-350C/S-350C-L	500*676*900	50*50-445*350	50KG/55KG	no Lighting/with Lighting
S-460C/S-460C-L	500*786*900	50*50-460*460	65KG/70KG	no Lighting/with Lighting
S-350D/S-350D-L	1000*676*900	50*50-445*350	75KG/80KG	no Lighting/with Lighting
S-460D/S-460D-L	1000*786*900	50*50-460*460	90KG/95KG	no Lighting/with Lighting



Description

This unit is used to link between production machine or board handing units.

Features

- Increase the use of special thick aluminum
- Accurate and durable stainless steellaser cutting edge oriented
- Smooth parallel to the width of the screw adjustment nethld
- Strengthening the structural design to improve the stability of the equipment
- Anti-static flat belt use 3mm
- SMEMA compatible

Specifications

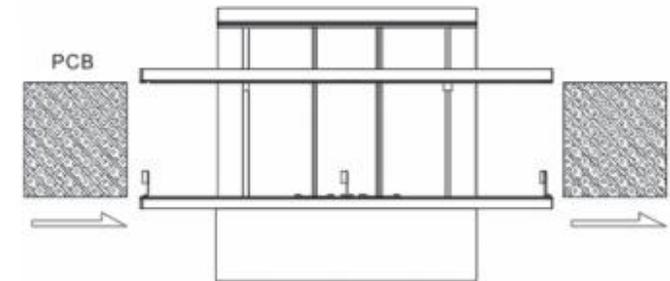
Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Remark
SH-407C	500*676*900	50*50-445*407	45KG	no Lighting
SH-460C	500*786*900	50*50-460*460	50KG	no Lighting
SH-407D	1000*676*900	50*50-445*407	75KG	no Lighting
SH-460D	1000*786*900	50*50-460*460	85KG	no Lighting



Options

- Anti-dust Covers
- Touch screen
- High-Clearance on request
- Cooling fans on top/bottom for after-reflow
- Light system for better inspection
- Support for Monitor
- Shelf with ESD component boxes
- Motorized/Automatic width adjustment
- Choice of different belt width and chain transport system
- Mechanical stopper
- Foot pedal pass control
- Narrow footprint
- With bottom cabinet

Schematic



Basic dual rail linking conveyor

Board handling system conveyor serial

Description

This unit is used to link between SMD machines or board handling units in dual rail PCB assembly lines.

Features

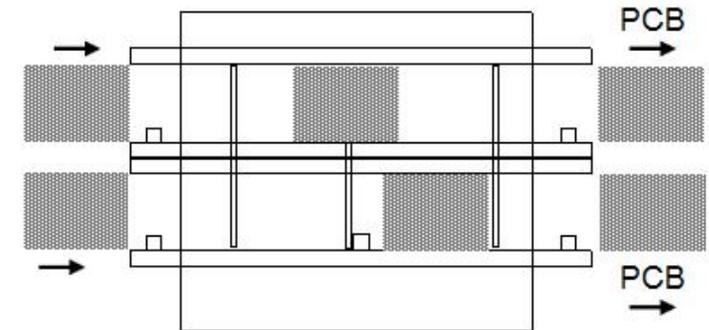
- Modular design
- Stability enhanced by 'robust design'
- Ergonomically designed arm rest
- Smooth and parallel width adjustment
- Width adjustment for individual track can be independently controlled (optional)
- Inspection Mode (optional)
- Two independently controlled belt segment
- Multi-zone concept available upon request
- Different lengths available upon request
- SMEMA compatible

Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Remark
SD-350C	500*1046*900	50*50-330*250	80KG	no Lighting
SD-350C	520*1046*900	50*50-330*250	90KG	with Lighting
SD-350D	1000*1046*900	50*50-330*250	95KG	no Lighting



Schematic





Description

This unit is used for storage the NG board and flow to the up lever for inspection after the tester(AOI/SPI)

Features

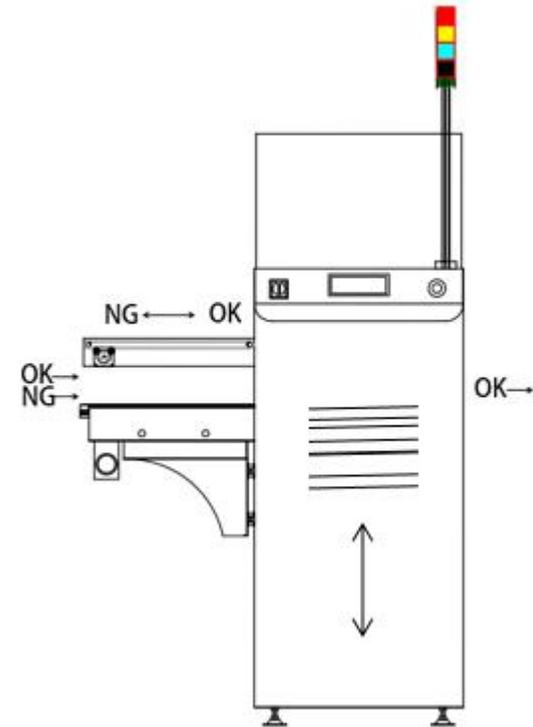
- User friendly 'soft touch' LED membrane control panel
- Multiple operating modes:First In First Out (FIFO), Last In First Out (LIFO) and pass through
- Fast, smooth and precise indexing (frequency inverter controller)
- Parallel and smooth width adjustment (leadscrew)
- Enclosed design ensures highest level of safety
- Small machine footprint
- SMEMA compatible

Specifications

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



Schematic



Description

This unit is used for storage the NG board and flow to the up lever for inspection after the tester(AOI/SPI)

Features

PCB Magazine Type Buffer Technical Parameters

Description: This Device Used For Receiving NG Board Or Memory Board

No.Of Magazine: Upper Conveyor: 1 Magazine; Lower Conveyor:2 Magazine

Indexing Pitch: 10.20.30.40mm Or Specify

Power Source: AC 110 Volts Or 220 Volts; Single Phase

Power Consumption: Max 250VA

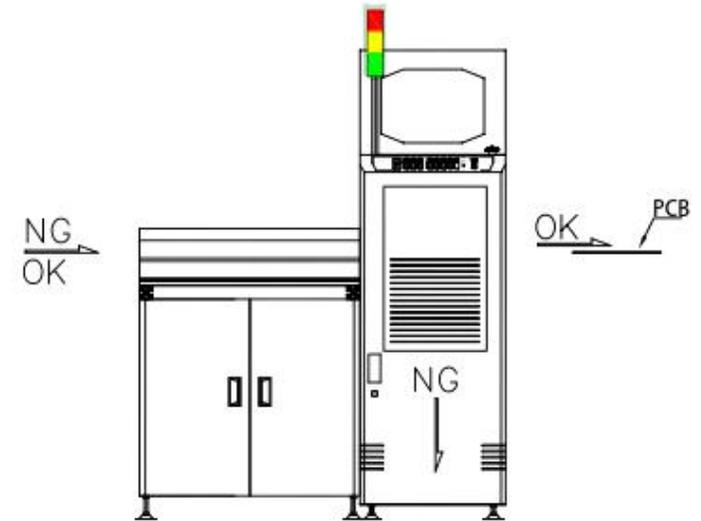
Air Pressure & Air Consumption: 4-6bar, 15ltr/Min

Transport Height: 900±20MM

Transport Direction: From Left To Right Or Right To Left



Schematic



Specifications

Model	Dimension (L*W*H.MM)	Effecton 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

Description

This unit is used to redirect PCBs in a production line, usually used for two combined one assembly line, L or U type SMT assembly line.

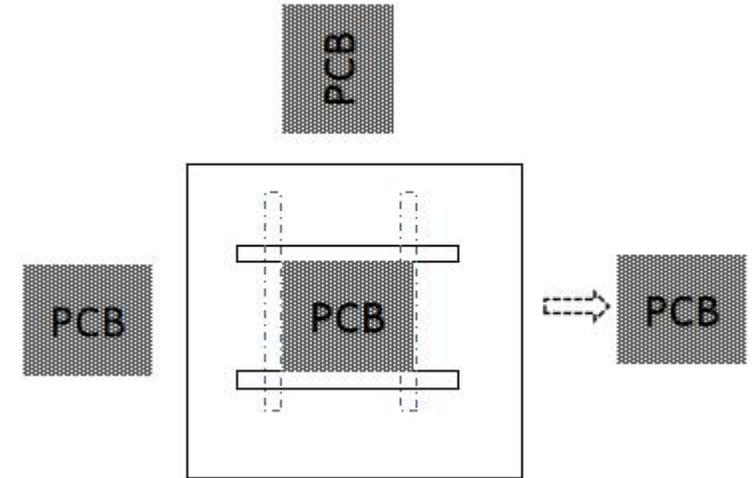
Features

- User friendly 'soft-touch' LED control membrane control panel
- Enclosed design with built-in torque limiter ensures highest level of safety
- Top cover can be opened for easy access to hardware during maintenance
- Parallel and smooth width adjustment (leadscrew)
- Steady and precise scaling (retractable motor)
- Minimize transmission clearance between conveyor
- Different sizes available upon request
- PCB traffic flows can be customised
- SMEMA compatible

Specifications

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

Schematic



Description

This unit is used when a passage way is required in a production line (fully automatic).

Features

The Telescopic Gate Conveyor from Electro Design is a fully automated pass through conveyor that allows people and vehicles to go through, rather than round a complete line. Since the retracted position of the telescopic conveyor is its idle position there is no need to press any buttons to pass through the line. Each side and section of the conveyor has its own motor drives and belts.

Working height (mm):900±20(std)

Transport Speed:1-15meters per minute or as your specified

Power supply:100V, 220v,230V (single-phase AC)

Power Maximum:100 W

Belt type: flat belt

Telescopic Length(mm) 850mm

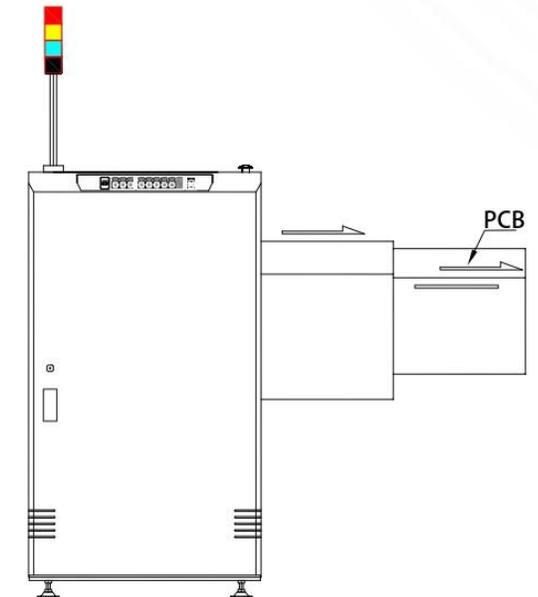
Stretch out / retract 6 sec

Specifications

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)	Remark
SAC330	1500*850*1300	50*50-445*330	200KG	



Schematic



Description

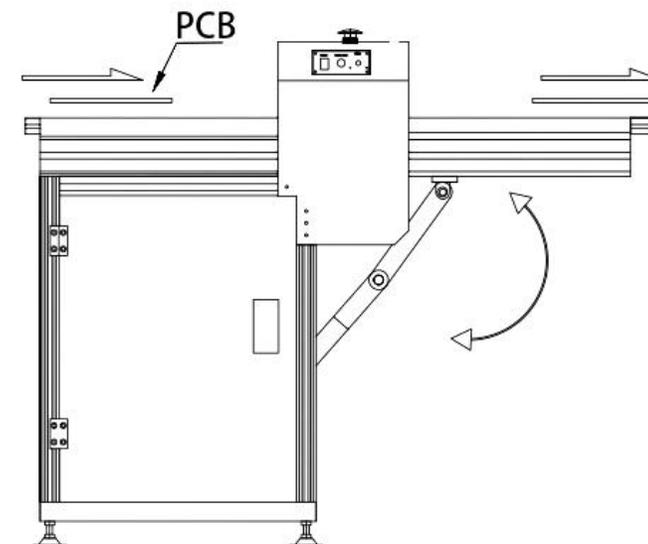
This unit is used when a passage way is required in a production line.

Features

- Lowering and lifting of gate conveyor.(Push buttons control)
- 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.
- Parallel and smooth width adjustment.(lead screw)
- SMEMA compatible.
- Transport height:910mm ±20mm
- Belt type: ESD flat belt
- Power supply: AC110 V , or 220V, single phase,Max 100V
- Air supply:4-6 bar, 48ltr/min max
- Load bearing:1.5kg/PCB



Schematic



Specifications

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

Description

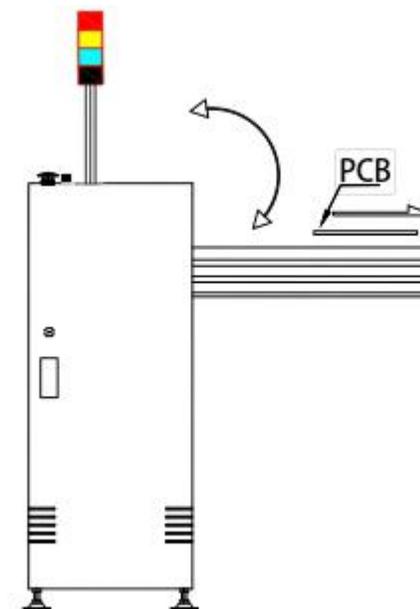
By manual lifting the conveyor section, access is gained to the rear of the line.

Features

- Lowering and lifting of gate conveyor.(Push buttons control)
- 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.
- Parallel and smooth width adjustment.(lead screw)
- SMEMA compatible.
- Transport height:910mm ±20mm
- Belt type: ESD flat belt
- Power supply: AC110 V , or 220V, single phase,Max 100V
- Air supply:4-6 bar, 48ltr/min max
- Load bearing:1.5kg/PCB



Schematic



Specifications

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	

Description

This unit is used to invert PCBs (180°) for “double-sided” process.

Features

Pneumatic stopper to keep PCB in position during inverting.

Conveyor width adjustment using hand crank.

Controlled by Omron PLC.

By-pass mode selectable.

Used to invert PCBs(180) for double sided process.

Fast,Smooth and precise inverting motion

Small machine footprint

Cycle Time: Approx. 5 seconds.

Power Source: 230VAC 1ph 150VA max.(Option:100VAC).

PCB Thickness: 0.6mm min

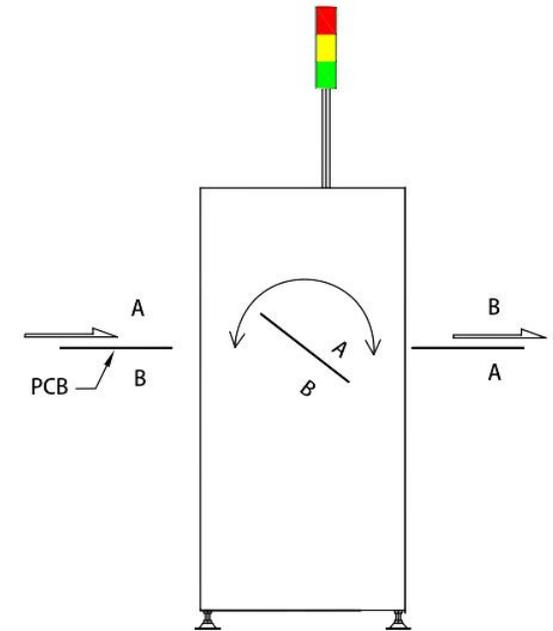
SMEMA compatible

Specifications

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



Schematic



Description

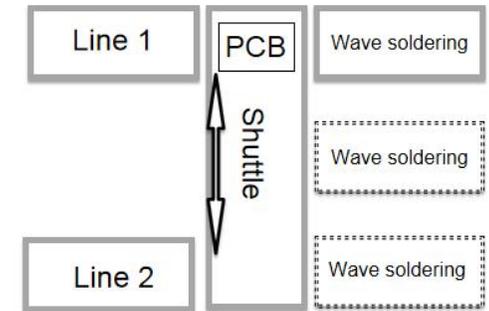
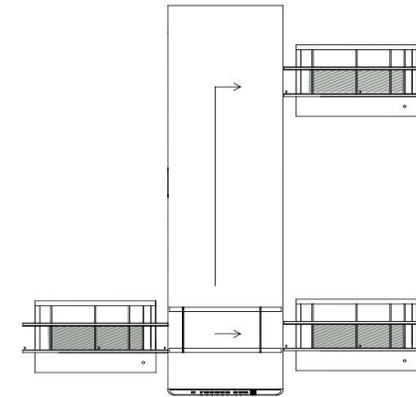
This unit is used to redirect flow of PCBs into different channels in a production line.

Features

- User friendly 'soft touch' LED membrane control panel
- Surrounded with covers to provide highest level of safety
- Minimize transmission clearance between conveyor
- Swift, smooth and precise operations (frequency inverter controller)
- PCB traffic flows can be customised
- Smooth and parallel width adjustment
- SMEMA compatible
- Optional two modes: 1 in 2 out, 2 in 1 out



Schematic



Specifications

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)	Remark
SPD330	500*W*1050	50*50-330*250	140KG	Machine width depends on traversing distance
SCN330	600*W*1050	50*50-460*330	200KG	

Description

This unit is used for faulty boards which can be lifted up for visual inspection without interrupting the PCBs flow.

Features

Modular design

User friendly 'soft touch' LED membrane control panel

Includes 3 modes: 'reject', 'inspect' and 'pass through' modes

Stability enhanced by 'robust design'

Ergonomically designed arm rest

Smooth and parallel width adjustment

Different lengths available upon request

Variable speed control

SMEMA compatible

Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Remark
SRC-350C	500*665*900	50*50-445*350	50KG	no Lighting
SRC-460C	500*795*900	50*50-460*460	70KG	no Lighting
SRC-350D	1000*665*900	50*50-445*350	80KG	no Lighting
SRC-460D	1000*795*900	50*50-460*460	90KG	no Lighting

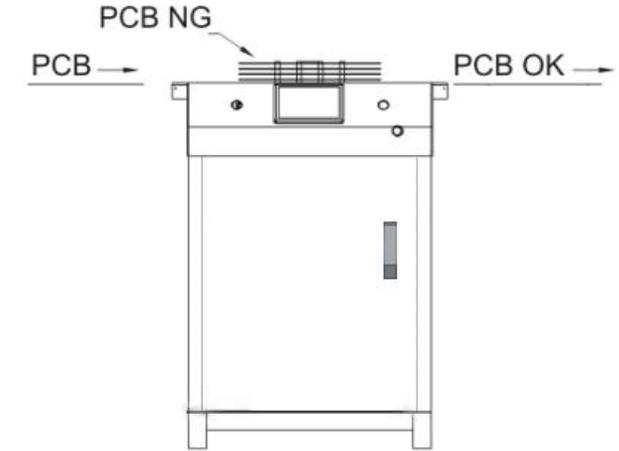


0.5 Mter



1 Mter

Schematic





Description

This unit is used for faulty boards which can be lifted up for visual inspection without interrupting the PCBs flow.

Features

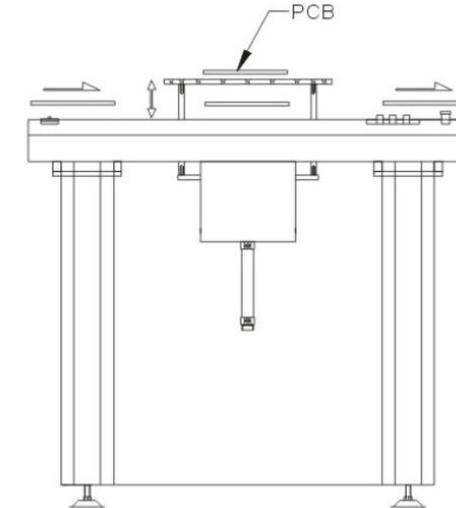
- Modular design
- User friendly 'soft touch' LED membrane control panel
- Includes 3 modes: 'reject', 'inspect' and 'pass through' modes
- Stability enhanced by 'robust design'
- Ergonomically designed arm rest
- Smooth and parallel width adjustment
- Different lengths available upon request
- Variable speed control
- SMEMA compatible

Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Remark
SRH-350C	500*665*900	50*50-445*350	50KG	no Lighting
SRH-460C	500*795*900	50*50-460*460	70KG	no Lighting
SRH-350D	1000*665*900	50*50-445*350	80KG	no Lighting
SRH-460D	1000*795*900	50*50-460*460	90KG	no Lighting



Schematic



PCB Surface cleaning Machine



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

Descriptions

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

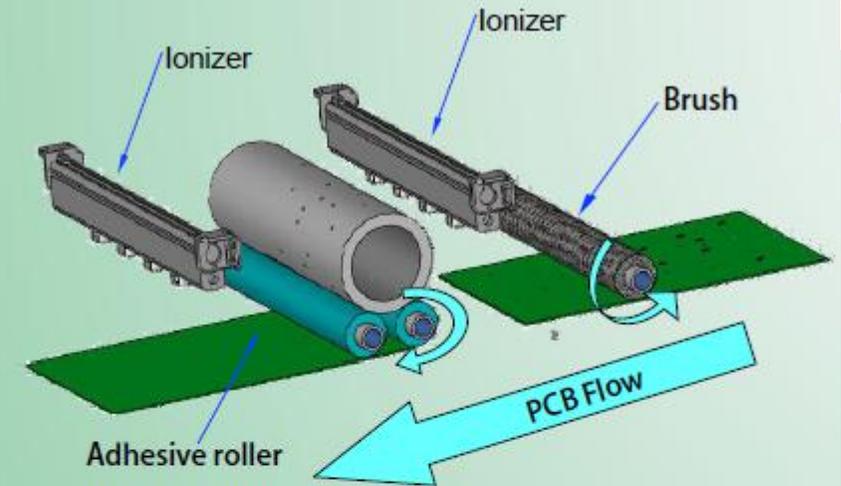
Draw-out design for Easy changing of adhesive rolls.

Preset number of PCB & pre-warning counter to purge adhesive rolls.

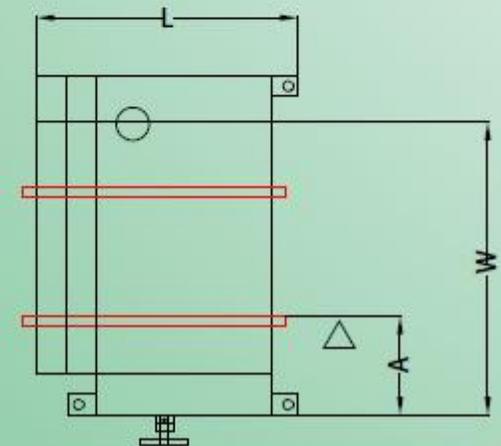
User friendly touch screen control panel.

SMEMA compatible.

Clean Process

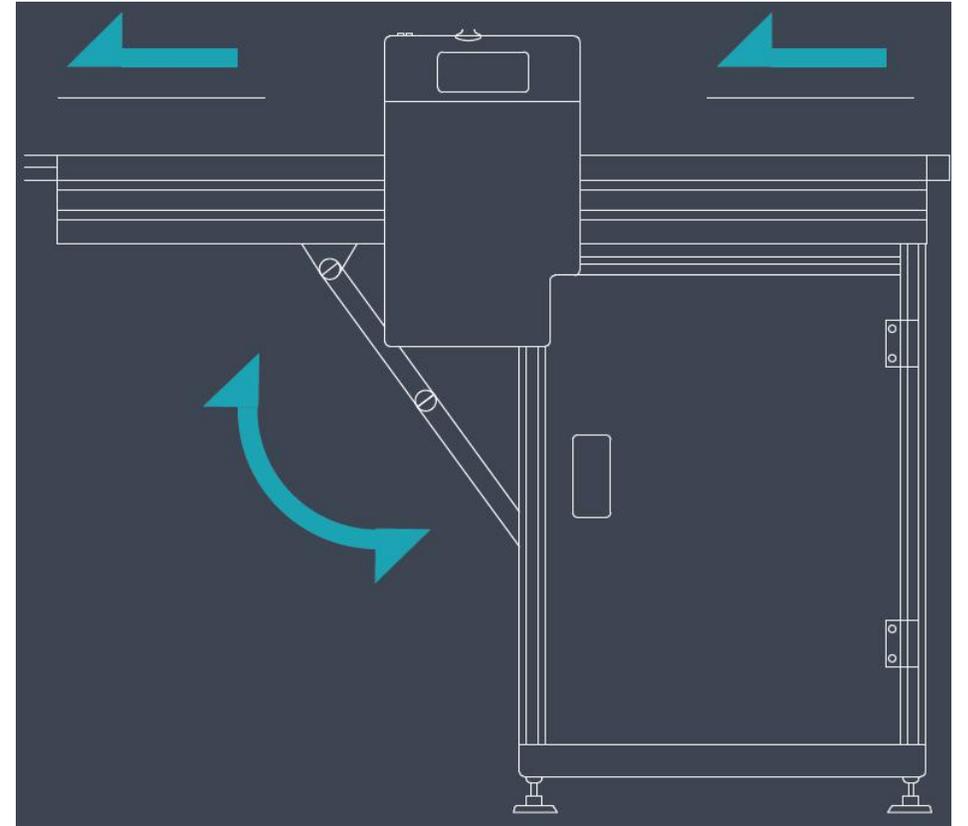


Schematic



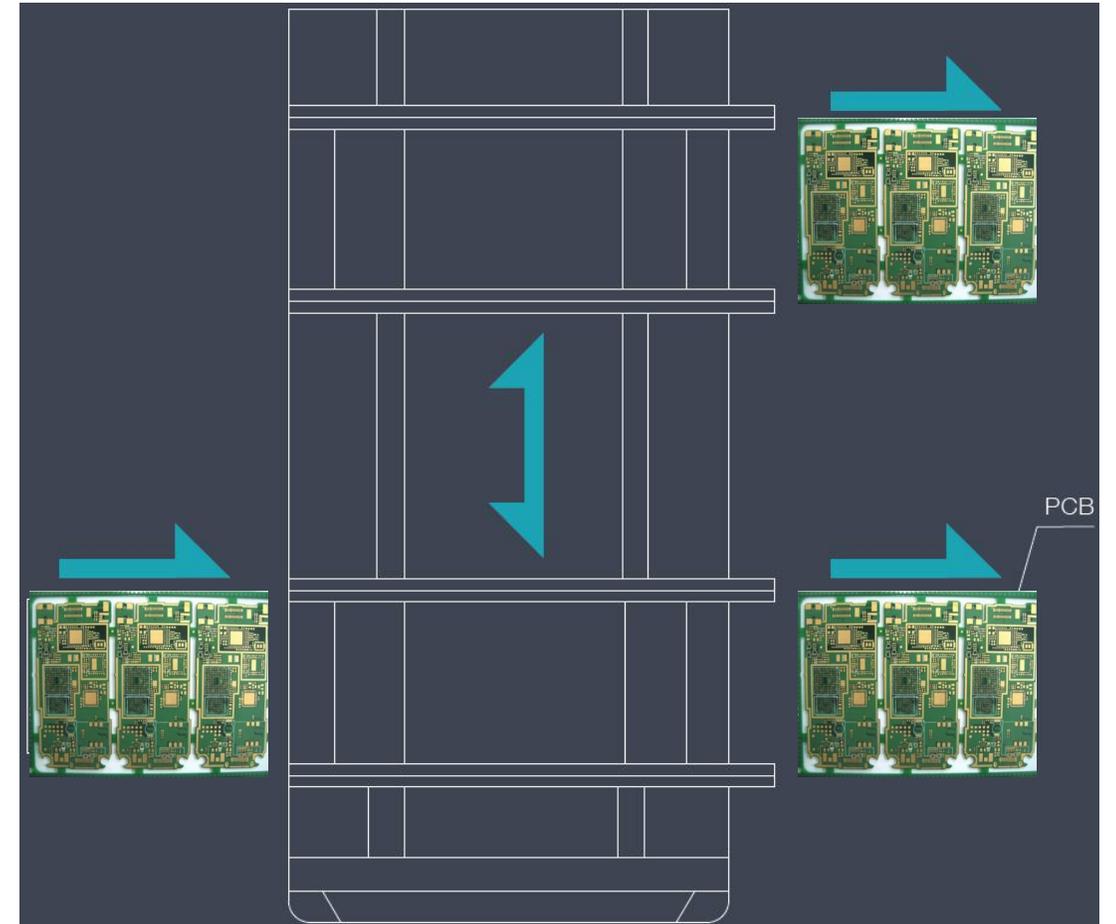
BHS: PCB Drop Door Conveyor

This equipment is used for intermediate aisle connection when the SMT production line is very long



BHS: PCB Shuttle Conveyor

This unit is used to redirect PCBs flow into different channels in a production line



Description

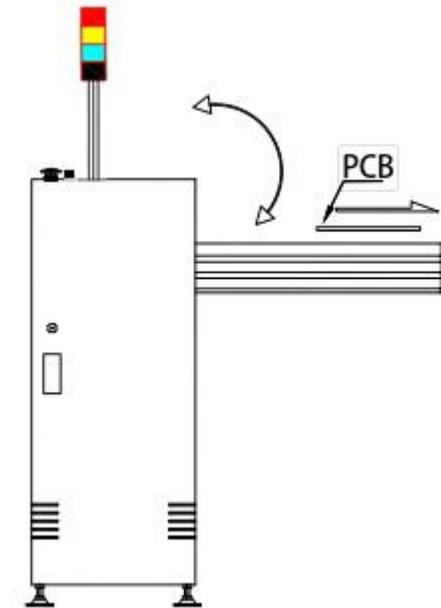
By manual lifting the conveyor section, access is gained to the rear of the line.

Features

- Lowering and lifting of gate conveyor.(Push buttons control)
- 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.
- Parallel and smooth width adjustment.(lead screw)
- SMEMA compatible.
- Transport height:910mm ±20mm
- Belt type: ESD flat belt
- Power supply: AC110 V , or 220V, single phase,Max 100V
- Air supply:4-6 bar, 48ltr/min max
- Load bearing:1.5kg/PCB



Schematic



Specifications

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

Description

This unit is used to invert PCBs (180°) for “double-sided” process.

Features

Pneumatic stopper to keep PCB in position during inverting.

Conveyor width adjustment using hand crank.

Controlled by Omron PLC.

By-pass mode selectable.

Used to invert PCBs(180) for double sided process.

Fast,Smooth and precise inverting motion

Small machine footprint

Cycle Time: Approx. 5 seconds.

Power Source: 230VAC 1ph 150VA max.(Option:100VAC).

PCB Thickness: 0.6mm min

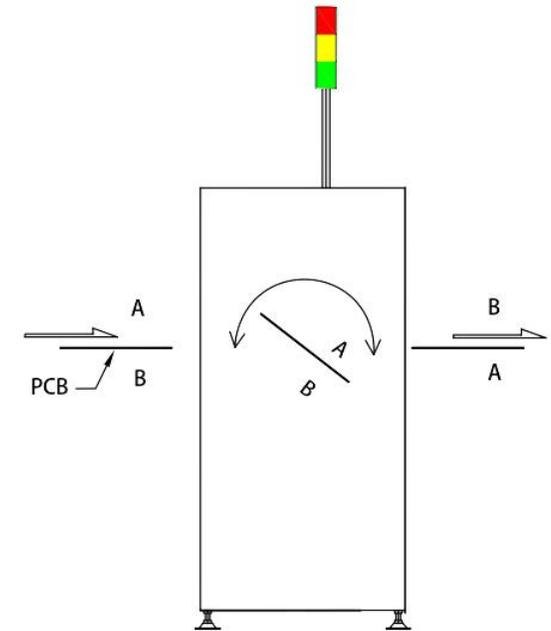
SMEMA compatible

Specifications

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



Schematic



Description

This unit is used for transferring of PCBs/pallets into the soldering inlet.

Features

Structure stability

Adjustable inclined angle

Variable speed control to synchronise with wave soldering machine

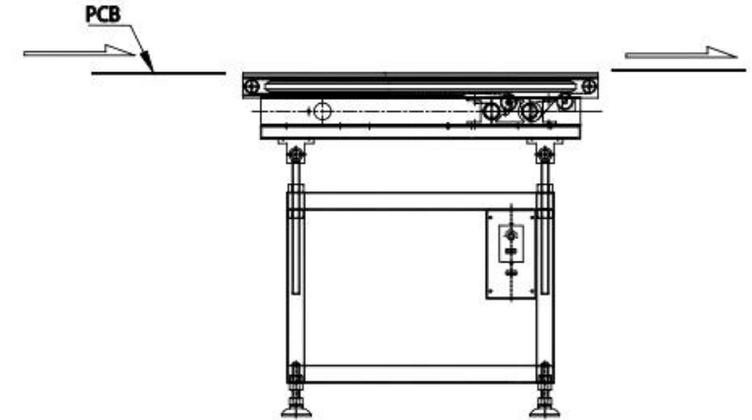
Parallel and Smooth width adjustment.(lead screw)

SMEMA compatible

PLC controlled (optional)



Schematic



Specifications

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

Description

This unit is used for transferring of PCBs/pallets into the soldering outfeed.

Features

Structure stability

Adjustable inclined angle

Variable speed control to synchronise with wave soldering machine

Parallel and Smooth width adjustment.(lead screw)

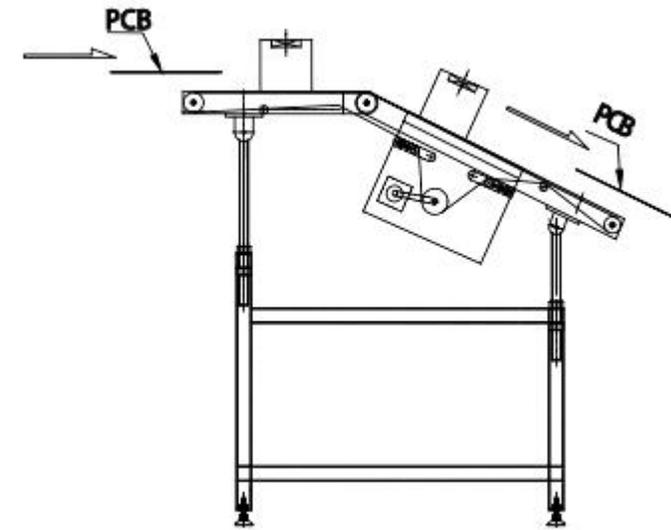
SMEMA compatible

PLC controlled (optional)

Cooling fans (optional)



Schematic



Specifications

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



Description

This unit is used for removing dust, particles, glass fiber & etc on bare PCBs surface.

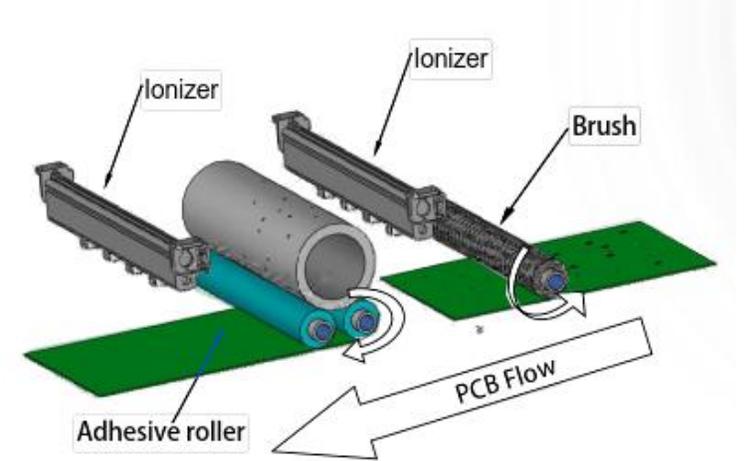
Features

- User friendly touch screen panel
- Preset PCB counter and warning alarm will sound as reminder to change adhesive rolls
- Easy access to adhesive rolls
- Drawer design,easily to do maintenance
- Multiple dust removal design, efficiency can reach 90%
- Smooth and parallel width adjustment (lead screw)
- SMEMA compatible
- Double side cleaning (optional)
- Automatic conveyor width adjustment(optional)
- PCB thickness:0.6~5mm

Specifications

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

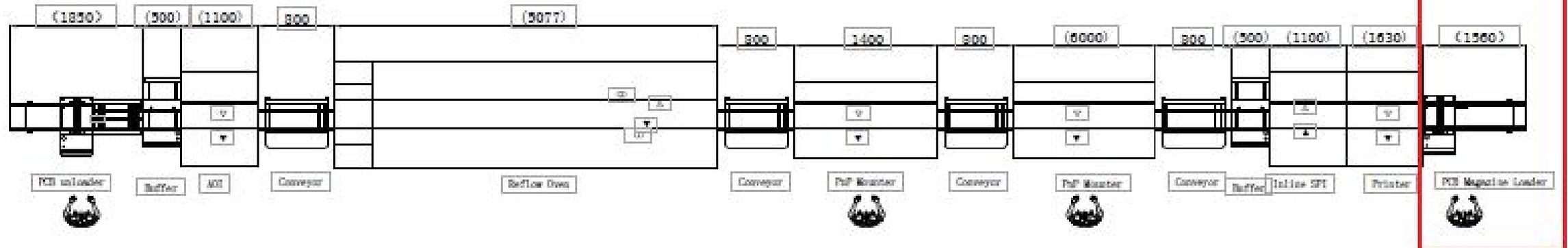
Schematic



BHS: PCB unloader

The unit loads your production line automatically by pushing PCB's out of a magazine onto the conveyor of the down-stream machine

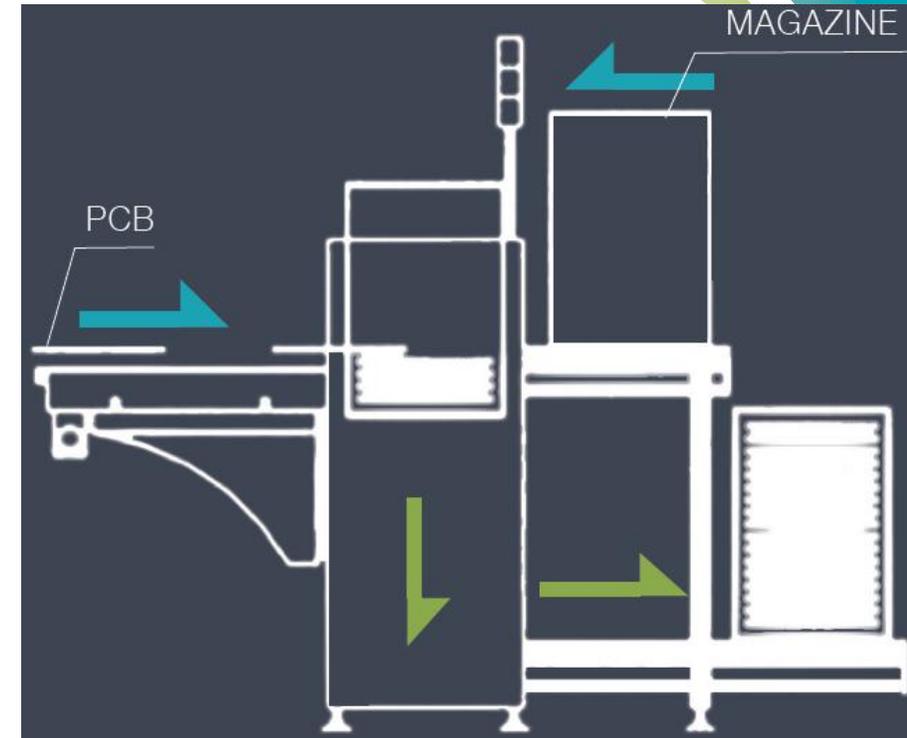
- Magazine unLoader
- Destacker unloader



BHS: PCB unloader



- **This unit is used for unloading of PCBs**
- **Magazine quantity: upper 1pc, bottom 2pc.**
- **Tank Replacement time: about 30 seconds or specify**
- **Indexing pitch: 10,20,30,40 mm or specify**
- **Power supply: 110V or 220V, single phase**
- **Air pressure 4-6 bar, up to 10/min**
- **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 controlpanel.**



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)	Rack size(L*W*H.MM)
SULD250	1330*765*1250	50*50-330*250	140KG	355*320*563
SULD330	1650*845*1250	50*50-445*330	200KG	460*400*563
SULD390	1800*909*1250	50*50-530*390	240KG	535*460*563
SULD460	1800*970*1250	50x50-530x460	300KG	535*530*563

BHS: PCB Magazine Loader -3D



Description

This unit is used for unloading of PCBs from the production line.

Features

Sturdy and stable design

Magazine quantity: upper 1pc, bottom 1pc.

Tank Replacement time: about 30 seconds or specify

Step select: 10,20,30,40 mm or specify

Spec. 110V or 220V, single phase max 250VA.

Barometric pressure from 4-6 bar, up to 10/min

Flexible platform to suit standard magazines.

Regulated pressure on attached pneumatic pusher.

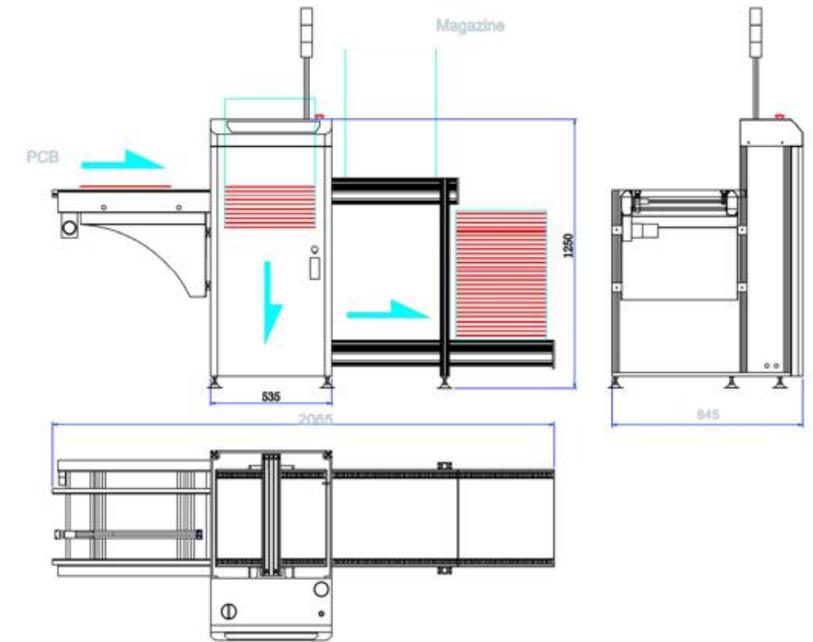
Pusher position adjustable to centre of the magazine.

User friendly "soft touch" LED membrane controlpanel.

SMEMA compatible



Schematic



Specifications

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

Description

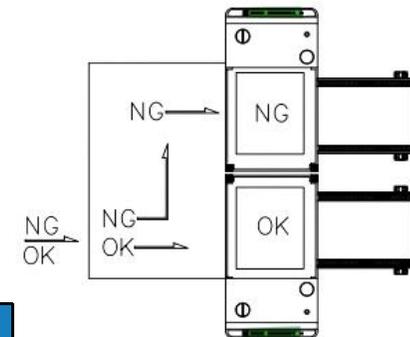
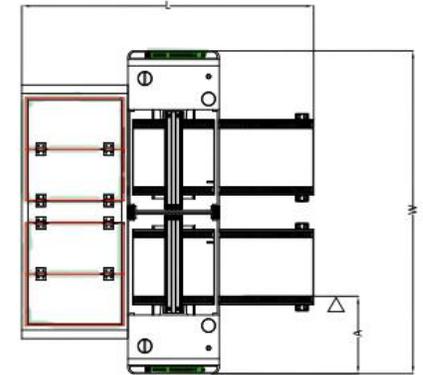
This unit is used to load your dual-track production line automatically by pushing PCB's out of a magazine onto the conveyor of the downstream machine.

Features

- User friendly "soft touch" LED membrane control panel.
- Flexible platform to suit standard magazines.
- Regulated pressure on attached pneumatic pusher.
- Pusher position adjustable to centre of the magazine.
- PLC Program control.
- Ball screw driven positioning of shuttle conveyor.
- Automatic magazine alignment by upper and lower pneumatic clamping.
- SMEMA compatible.



Schematic



Specifications

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



Description

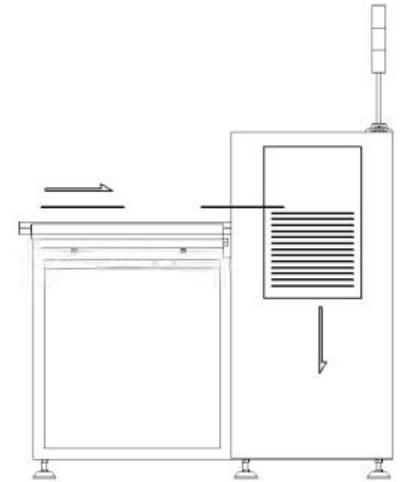
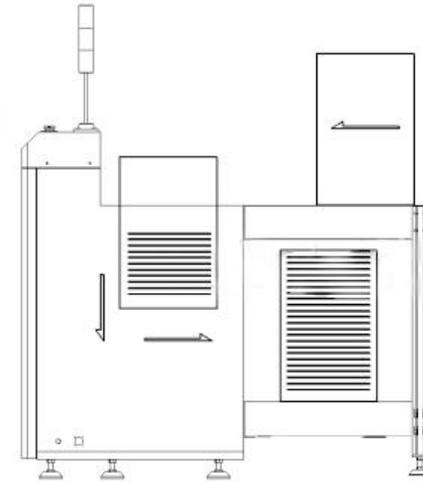
This unit is used for loading or of PCBs.

Features

- Specially use in limited workshop
- Sturdy and stable design
- User friendly 'soft touch' LED membrane control panel
- Pneumatic clamps provided for magazine alignment
- Pneumatic pusher's pressure regulated
- High throughput with short magazine change-over time
- SMEMA compatible
- Transfer direction:L to R OR R to L
- Time feed: 6 seconds Aprox. Or specify
- Air supply& consumption: ≥6 bar,10 ltr/min max.
- Power supply:110V /220V, 50 Hz/ 1 Ph, max 300VA
- Indexing pitch: 10.20.30.40mm Or specify.



Schematic&Structure



Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	Rack size(L*W*H.MM)
SULF250	1150*1150*1250	50*50-330*250	160KG	355*320*563
SULF330	1350*1350*1250	50*50-445*330	220KG	460*400*563
SULF390	1550*1550*1250	50*50-530*390	280KG	535*460*563

Description

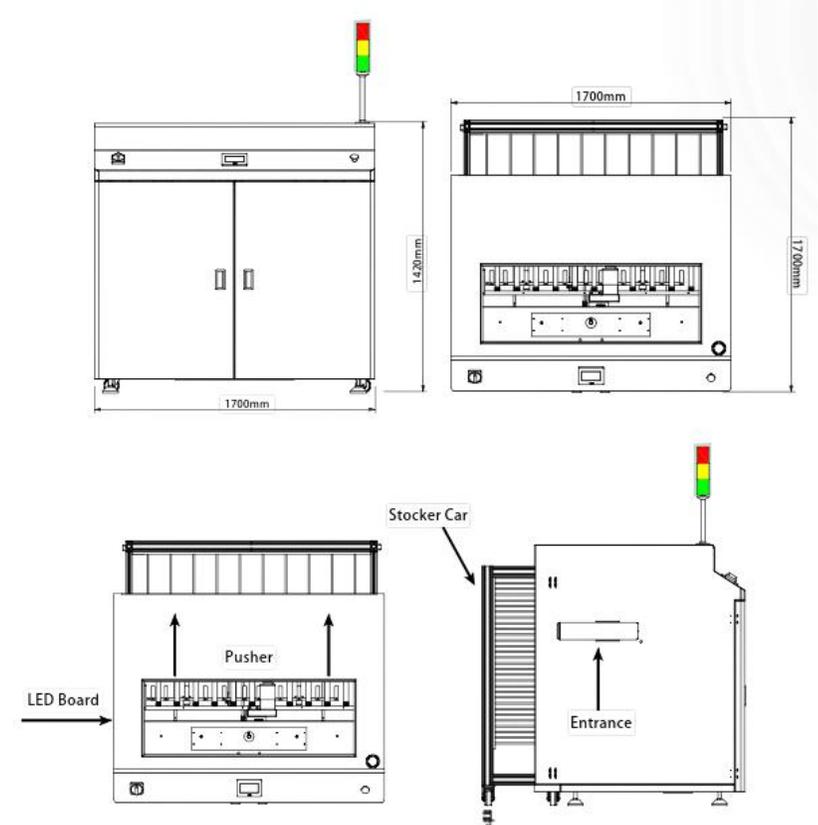
The LED boards are collected from upstream machine using attached roller conveyor and board are pushed into the trolley. Operator can take out the full trolley from the rear of machine.

Features

- User friendly "touch screen" control panel.
- PLC Program control; Selectable pitch settings.
- Flexible stocker car easy to transport.
- Lifting platform drive by servo motor.
- Exchange stocker car from the rear of the machine.
- The PCB's are transferred by durable rollers.
- Stocker car is manually placed and clamped in position.
- SMEMA compatible.
- Transfer direction: L to R.
- Conveyer type and speed :Stainless Roller ; 0.5-20m/min adjustable
- Air supply& consumption: ≥6 bar, 10 ltr/min max.
- Power supply: 110V /220V, 50 Hz/ 1 Ph



Schematic&Structure



Specifications

Model	Dimension (L*W*H.MM)	PCB size(MM)	Weight(KG)	PCB Thickness
SVUL330	1700 x 1700 x 1420	500*150~1500*500	220KG	0.6mm ~ 4.0mm

BHS: Dual Magazine Unloader



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

PLC Program control.

Selectable pitch settings.

Towerlight display for machine status.

Ball screw driven positioning of shuttle conveyor.

Flexible platform to suit standard magazines.

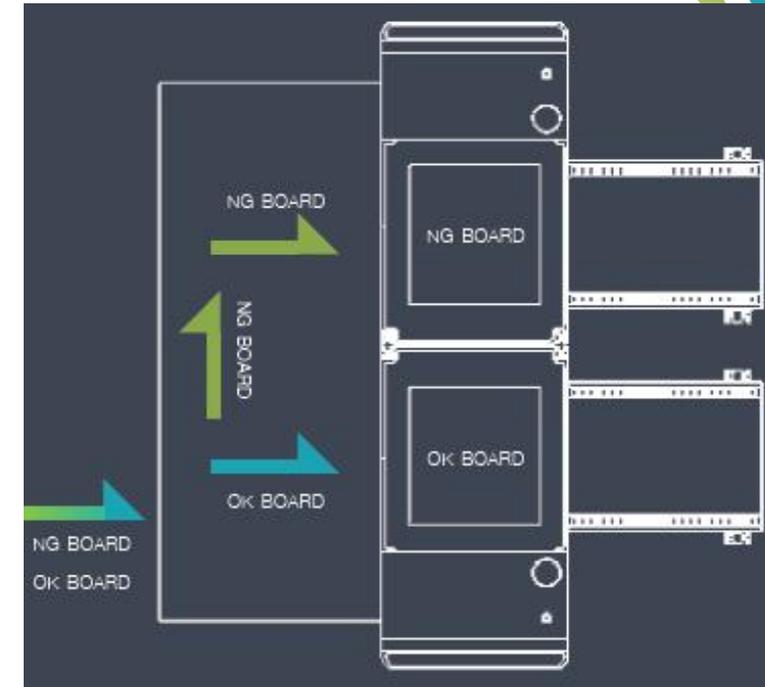
Regulated pressure on attached pneumatic pusher.

Pusher position adjustable to centre of the magazine.

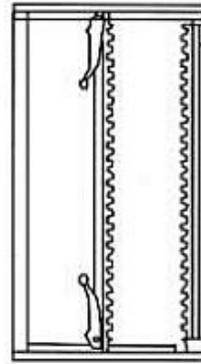
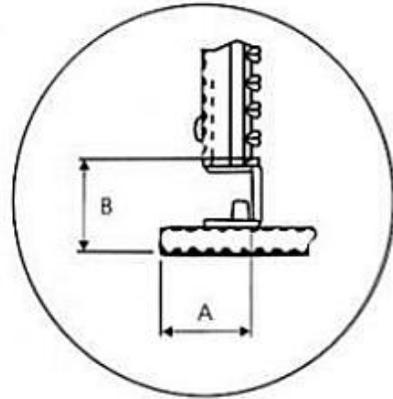
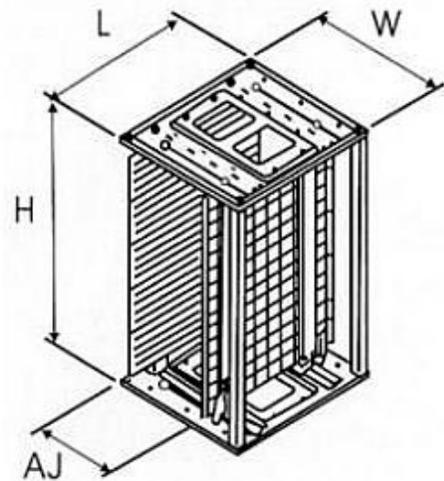
User friendly "soft touch" LED membrane control panel.

Automatic magazine alignment by upper and lower pneumatic clamping.

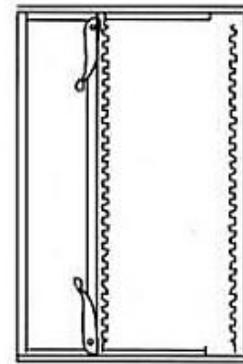
SMEMA compatible.



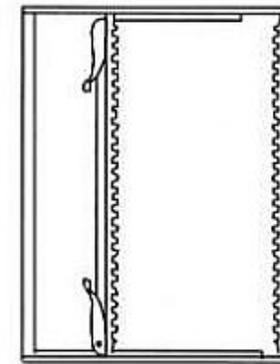
BHS: PCB Magazine Rack



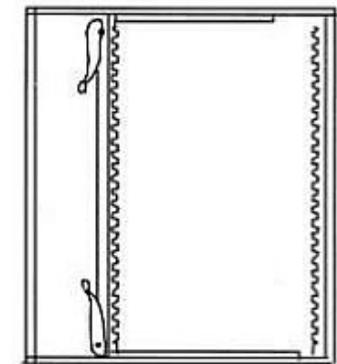
(50-250MM)



(50-330MM)



(50-390MM)



(120-460MM)

Model	Heat-resistan Temp(°C)	Outline Dimension(mm)			Ref.Position(mm)		Pitch	PCB Slots	PCB Size(mm)	Weight (kg)
		Depth	Width	Height	A	B				
S6601	85/125	355	320	563	34	34	10	50pcs	350 x (50-250)	5.6
S6602	85/125	460	400	563	34	34	10	50pcs	460 x (50-330)	7.6
S6603	85/125	535	460	570	34	41	10	50pcs	535 x (50-390)	10.5
S6604	85/125	535	530	570	34	41	10	50pcs	535 x (50-460)	12.7

Best After-sales service



- **Worldwide Support**
- **Free Installation/ Training**
- **1 day lead-time (spare parts)**
- **1 Month customize solution**

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