

# ■ Inspection Conveyor (Economic Type)

## 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  $950 \pm 30\text{mm}$

## Options

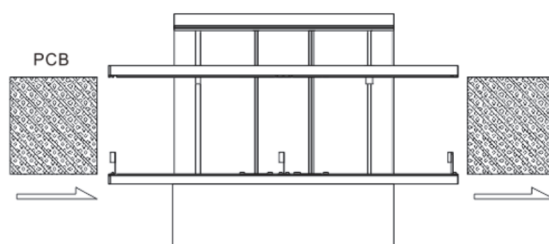
- ESD Covers anti-dust
- Touch screen
- High-Clearance on request
- Cooling fans on top/bottom for after-reflow
- Light system for better inspection
- Support for Monitor
- Shelf with ESD component boxes
- Motorized/Automatic width adjustment
- Choice of different belt width and chain transport system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



## Technical Parameters

Description	This unit is used as a visual inspection station for operators between SMT machines or board handling unit to link the machines.
Belt Type	Antistatic Flat Belt of 3mm width
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100W MAX

## Schematic



## Specification

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
L	WH-C050SD3BL	500x695x1170	50x50 - 445X330	87
XL	WH-C050SD3BXL	500x755x1170	50x50 - 445x460	92
L	WH-C100SD3BL	1000x695x920	50x50 - 530x330	92
XL	WH-C100SD3BXL	1000x755x920	50x50 - 530x460	97

# ■ Inspection Conveyor (Hybrid Type)

## Features

- Modular design, PLC controlled
- Stability enhanced by heavy design
- High-end rails on top of an economic type structure
- 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  $950 \pm 30\text{mm}$



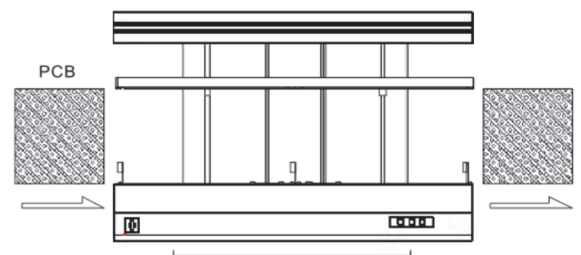
## Options

- ESD Covers anti-dust
- 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
- Safety interlocker for the covers

## Technical Parameters

Description	This unit is used as a visual inspection station for operators between SMT machines or board handling unit to link the machines.
Belt Type	Antistatic Flat Belt of 3mm width
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100W Max.

## Schematic



## Specification

Units in mm

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
L	WH-C050ZD3BL	500x695x1170	50x50 - 445X330	87
XL	WH-C050ZD3BXL	500x755x1170	50x50 - 445X460	92
L	WH-C100ZD3BL	1000x695x920	50x50 - 530X330	92
XL	WH-C100ZD3BXL	1000x755x920	50x50 - 530X460	97

## ■ Inspection Conveyor (High-End Type)

### Features

- Modular design, PLC controlled
- Stability enhanced by heavy design
- Beautiful design with aluminum finishing
- 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  $950 \pm 30\text{mm}$

### Options

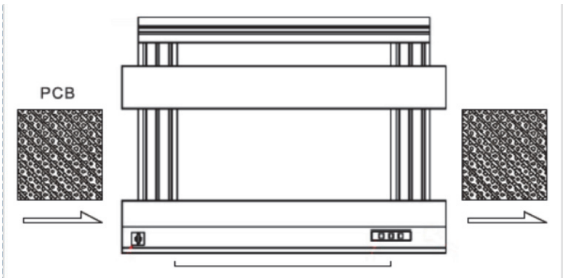
- ESD Covers anti-dust
- Touch screen
- High-Clearance on request
- Cooling fans on top/bottom for after-reflow
- Light system for better inspection
- Support for Monitor
- Shelf with ESD component boxes
- Motorized/Automatic width adjustment
- Choice of different belt width and chain transport system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



### Technical Parameters

Description	This unit is used as a visual inspection station for operators between SMT machines or board handling unit to link the machines.
Belt Type	Antistatic Flat Belt of 3mm width
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100W Max.

### Schematic



### Specification

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
L	WH-C050HD3BL	500x780x1170	50x50 - 445X400	87
XL	WH-C050HD3BXL	500x849x1170	50x50 - 445X460	92
L	WH-C100HD3BL	1000x790x920	50x50 - 530X400	92
XL	WH-C100HD3BXL	1000x849x920	50x50 - 530x460	97

## Dual Rail Conveyor



### 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
- Independent variable speed controls for each rail
- Independent inspection buttons
- SMEMA compatible
- Conveyor height  $950 \pm 30\text{mm}$

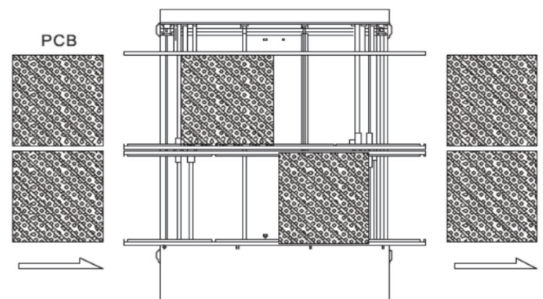
### Options

- ESD Covers anti-dust
- 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

### Technical Parameters

Description	This unit is used as a visual inspection station for operators between SMT machines or board handling unit to link the machines. Dual rail version.
Belt Type	Antistatic Flat Belt of 3mm width
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100W Max.

### Schematic



### Specification

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
XL	WH-C050SD3BXL-Y	500x1005x920	50x50 - 530x460	97
XL	WH-C100SD3BXL-Y	1000x1005x950	50x50 - 530x460	107



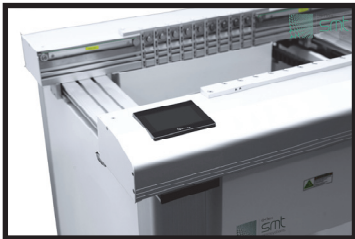
# Reject Conveyor

## Features

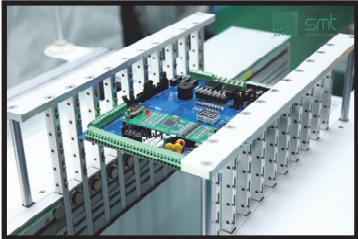
- Modular design, PLC controlled
- Stability enhanced by heavy design
- Beautiful design with aluminum finishings
- Smooth and parallel width adjustment (stainless steel screws)
- Different lengths available upon request
- Touch screen control
- Stacks up to 2 NG boards
- Multi-segment concept available upon request
- Automatic/Manual modes
- Reject, inspect and pass-through modes
- Variable speed control
- SMEMA compatible
- Conveyor height 950±30mm

## Options

- High-clearance on request
- Ergonomic design arm rest on the front
- Motorized/Automatic width adjustment
- Multiple belt width and chain transport system available
- 5 NG boards capacity
- Signal tower for warning when the platform is full



Touch Screen Control

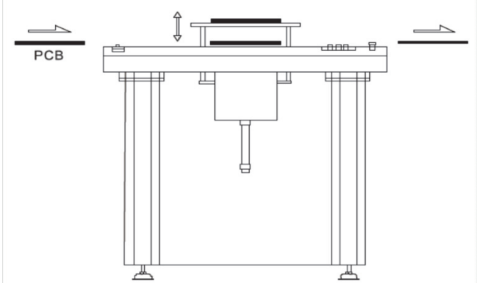


Lifting Platform

Technical Parameters

Schematic

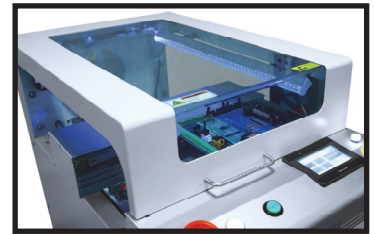
Description	This unit allows Good and NG board separation in a production line. It can be used when visual inspection of PCB's is required. PCB's will continue to run, thus without interrupting the PCB flow
Belt Type	Antistatic Flat Belt of 3mm width
Conbveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100 Max
Air Pressure & Consume	4-6 bar, 10 l/min Max.



Specification

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
L	WH-C100HD3BL-R2	1000x830x950	50x50 - 530x400	142
XL	WH-C100HD3BXL-R2	1000x890x950	50x50 - 530x460	147

## Flash-Off Conveyor



UV Inspection



Exhaust sensor

### Features

- Modular design, PLC controlled
- Smooth and parallel width adjustment (stainless steel screws)
- Covers which protect the boards against dust
- Segments with independent flash-off time (programmable)
- Automatic/Manual modes with inspection button
- Independent variable speed controls for each rail
- SMEMA compatible
- Conveyor height  $950 \pm 30$ mm
- Extractable tray for easy clean-up of coating droplets
- Full control and settings by touch screen
- Exhaust sensor which forces to use air extraction

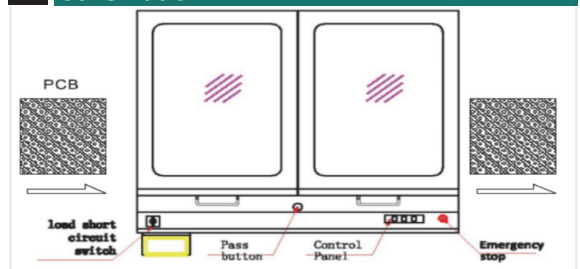
### Options

- UV lights to analyze the coating result over the boards
- Automatic width adjustment
- Safety interlocker for covers
- 3 color signal tower
- Choice of different belt width and chain transport system
- Foot pedal
- Mechanical stopper

### Technical Parameters

Description	This unit is used as a visual inspection station for operators controlling the boards right after a conformal coating line.
Belt Type	Antistatic Flat Belt of 12mm width
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100 W

### Schematic



### Specification

Units in mm

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
L	WH-C50HD12TL-CALOUVT	500X953X1170	50x50 - 445x400	80
XL	WH-C50HD12TXL-CALOUVT	500X1013X1170	50x50 - 445x460	110
L	WH-E100HD12TL-CALOUVT	1000x930x950	50x50—530x400	120
XL	WH-E100HD12TXL-CALOUVT	1000x990x950	50x50 - 530X460	150

# Manual Lifting Gate Conveyor

## Features

- Lowering & lifting of the gate conveyor is done manually
- Safety sensor installed to enhance safety
- 650mm passage way, or specify

## Options

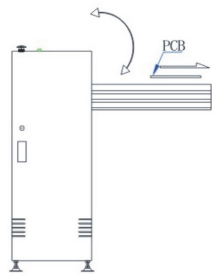
- High-end rail
- ESD Covers anti-dust
- Touch screen
- High-Clearance on request
- Motorized/Automatic width adjustment
- Choice of different belt width and chain transport system



## Technical Parameters

Description	This unit is used to allow passage across the line when required.
Belt Type	Antistatic Flat Belt of 3mm width
Conbveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100 Max
Cycle time	Approx. 6 Seconds

## Schematic



## Specification

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
M	WHM-021SD3BM	1000X720X1210	50X50-330X250	140
L	WHM-021SD3BL	1000X800X1310	50X50-445X330	160
XL	WHM-021SD3BXL	1000x980x1310	50x50 - 530x460	280

## Lowering Gate Conveyor



### Features

- Lowering & lifting of the gate conveyor is done by push buttons
- Safety sensor installed to enhance safety
- 650mm passage way, or specify
- Variable speed control
- Conveyor height  $950 \pm 30$ mm
- SMEMA compatible

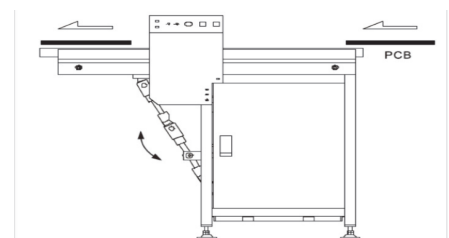
### Options

- High-end rail
- ESD Covers anti-dust
- Touch screen
- High-Clearance on request
- Motorized/Automatic width adjustment
- Choice of different belt width and chain transport system

### Technical Parameters

Description	This unit is used to allow passage across the line when required.
Belt Type	Antistatic Flat Belt of 3mm width
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100 Max
Air Pressure & Consume	4-6 bar, 48 l/min Max.

### Schematic



### Specification

Units in mm

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
M	WHM-022SD3BM	1300X560X1250	50X50-330X250	160
L	WHM-022SD3BL	1300X720X1250	50X50-445X330	180
XL	WHM-022SD3BXL	1300x800x1250	50x50 - 530x460	200



# Shuttle Conveyor

## Features

- Simple touch screen control panel
- Enclosed design ensures high level of safety
- Swift, smooth and precise operation
- Auto-width adjustment
- Different lengths available upon request
- Different working ways upon request
- SMEMA compatible
- Conveyor height  $950 \pm 30\text{mm}$

## Options

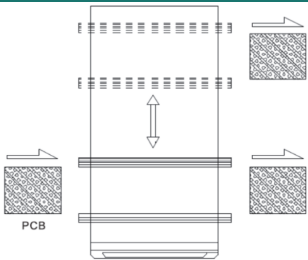
- High-Clearance on request
- Choice of different belt width and chain transport system



## Technical Parameters

Description	This unit is used to redirect the PCB's flow into different channels in a production line.
Belt Type	Antistatic Flat Belt of 3mm width
Cycle Time	Depending on traversing distance
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	250 Max

## Schematic



## Specification

Size	Model	Machine Dimensions (LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)	Machine Width
M	WHM-22010SD3TM	503x1050x950	50x50 - 330x280	140	Depends on traversing distance
L	WHM-22013SD3TL	503x1350x950	50x50 - 445x390	200	Depends on traversing distance
XL	WHM-22013SD3TXL	503x1550x950	50x50-530x460	260	Depends on traversing distance

## Telescopic Gate Conveyor



### Features

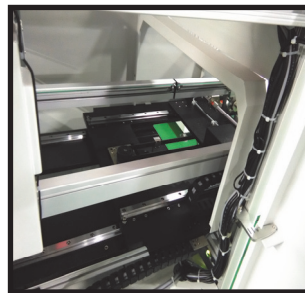
- User friendly soft touch LED membrane control panel
- Swift and smooth retraction/extension of the conveyor
- Safety sensor installed to enhance safety
- 850mm passage way, or specify
- Conveyor height  $950 \pm 30$ mm
- SMEA compatible

### Options

- High-end rail
- High-Clearance on request
- Motorized/Automatic width adjustment
- Choice of different belt width and chain transport system



Open Gate

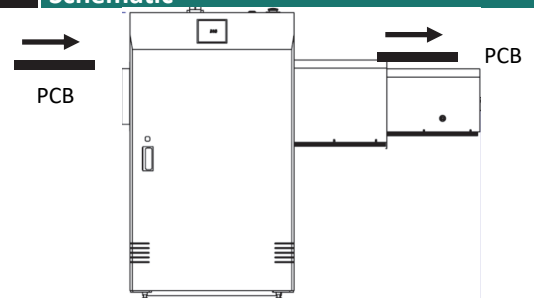


Internal lifter (NC)

### Technical Parameters

Description	This unit is used to allow passage across the line when required.
Belt Type	Antistatic Flat Belt of 3mm width
Cycle Time	Approx. 12 seconds
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	300 Max
Air Pressure & Consume	4-6 bar, 16 l/min Max.

### Schematic



### Specification

Units in mm

Size	Model	Machine Dimensions (LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
L	WHM-023SD3BL	1500x848x1300	50x50 - 445x330	250
XL	WHM-023SD3BXL	1500x950x1300	50x50- 530x460	300
L	WHM-027SD3BL	1550x850x1300	50x50 - 445x330	250
XL	WHM-027SD3BXL	1550x950x1300	50x50- 530x460	300

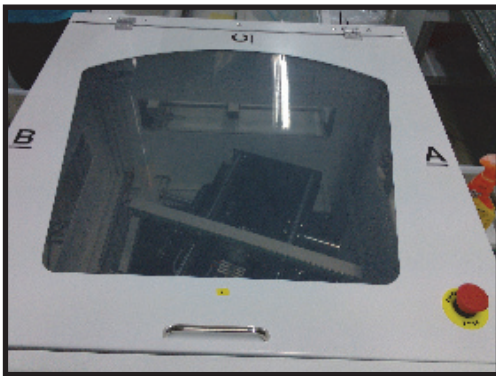
## Turn Conveyor

### Features

- User friendly soft touch LED membrane control panel
- Enclosed design with built-in torque limiter to ensure a high level of safety
- Smooth and precise rotation
- Conveyor height  $950 \pm 30$ mm
- SMEMA compatible

### Options

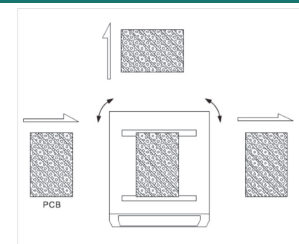
- Motorized width adjustment
- Automatic width adjustment
- Different belt width or chain system
- Safety interlockers
- Touch screen



### Technical Parameters

Description	This unit is used to redirect the PCB flow in a production line (90°, 180°, 270°).
Belt Type	Antistatic Flat Belt of 3mm width
Cycle Time	Approx. 12 seconds
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	300 Max

### Schematic



### Specification

Units in mm

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxH) in mm	Weight (Kg)
M	WHM-210SD3BM	500x500x1200	50x50 - 330x250	350
L	WHM-210SD3BL	580x580x1200	50x50 - 445x330	380
LL	WHM-210SD3BL	700x700x1200	50x50-530x390	395
XL	WHM-210SD3BXL	750x750x1200	50x50 - 530x460	410

## Elevator Conveyor



### Features

- User friendly touch screen control panel
- Fast, smooth and precise positioning (Servomotor)
- Selectable system thresholds
- Smooth and parallel conveyor adjustment (lead screw)
- Automatic width adjustment
- SMEMA compatible
- Two types: high elevator (for top return lines) and low elevator (for bottom return lines)

### Options

- Safety interlockers
- Different belt width and chain system
- Wheels to move the machine easily around



Lower return line

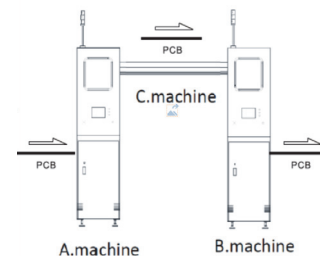


Upper return line

### Technical Parameters

Description	This unit is used to allow permanent passage across the line, or for loop-style installations.
Belt Type	Antistatic Flat Belt of 3mm width
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100 Max
Cycle time	10 sec

### Schematic



### Specification

Units in mm

Size	Model	Machine Dimensions (LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
L	WHM-02624SD3T L	550x975x2608	50x50 - 445x330	350
XL	WHM-02624SD3TXL	640x1035x2608	50x50 - 530x460	450
L	WHM-02601SD3TL	550x1012x1982	50x50 - 445x330	350
XL	WHM-02601SD3TXL	635x1142x1982	50x50 - 530x460	400



# ■ Insertion Conveyor



## Features

- Modular design, PLC controlled
- Stability enhanced by heavy design
- Smooth and parallel width adjustment (stainless steel screws)
- Automatic/Manual modes
- Shelf for ESD component boxes
- Light system for better inspection
- Variable speed control
- SMEMA compatible
- Conveyor height  $950 \pm 30\text{mm}$

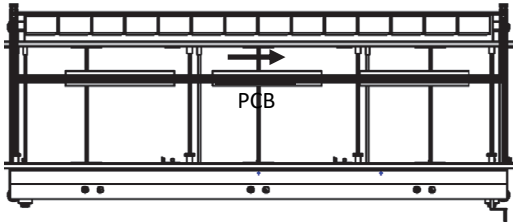
## Options

- Support for Monitor
- Motorized width adjustment
- Choice of different chain transport system
- Mechanical stopper
- Foot pedal pass control

## Technical Parameters

Description	This unit is used in a manual line before soldering section. For the operator to insert components manually.
Belt Type	Pin chain
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100W Max.

## Schematic



## Specification

Units in mm

Size	Model	Machine Dimensions(LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
XL	WH-S270SDNBXL-DW	2700x1019x1786	50x50 - 445X460	400

## Flat Belt Conveyor



### Features

- Modular design, PLC controlled
- Buzzer
- Variable speed control
- Flat belt of 500mm width
- Signal Tower

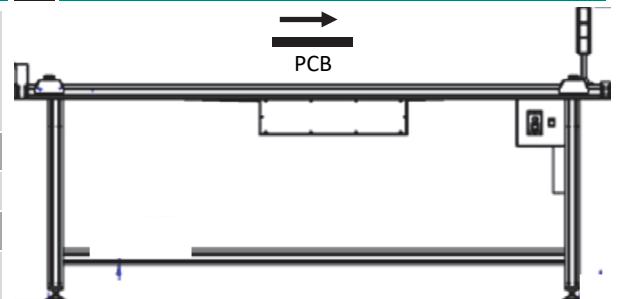
### Options

- Different lengths available on demand

### Technical Parameters

Description	Flat belt conveyor to transport boards after reflow oven mesh belt, and accumulate them.
Belt Type	500mm wide flat belt
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100W MAX

### Schematic



### Specification

Units in mm

Model	Machine Dimensions (LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
WH-C250SD500BXL-L	2500X795x1254	50x50-2000x490	120

## Wave Outfeed Conveyor

### Belt wave outfeed conveyor



#### Features

- Variable speed control
- Flat belt of 500mm width

#### Options

- Cooling fans on top
- Extension conveyor available on demand

### Chain wave outfeed conveyor



#### Features

- Modular design, PLC controlled
- Variable speed control
- 3mm pin chain conveyor
- Sliding resistors on inclined section

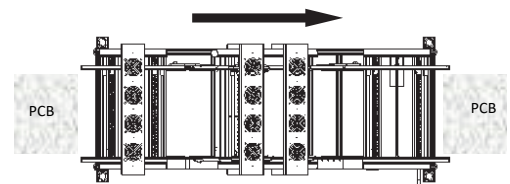
#### Options

- Cooling fans on top
- Motorized width adjustment

#### Technical Parameters

Description	This unit is used to unload PCBs or pallets from a wave soldering machine.
Belt Type	Flat belt or chain
Conveyor Speed	0.5-20m/min or specify
Power Source	AC 220V, 50/60Hz, 1 phase
Power Consumption	100W MAX

#### Schematic



#### Specification

Units in mm

Type	Model	Machine Dimensions (LxWxH) in mm	Effective PCB Size (LxW) in mm	Weight (Kg)
Flat Belt	WH-C130SD500BXL	1350x685x1335	50x50-550x490	120
Chain	WH-C250SDNBXL	2500x976x1446	200x200-550x610	400