

PCBIS



CONVEYORS SOLUTIONS MACHINES

Designed by:



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SMT

CONVEYORS

BASIC LINKING CONVEYOR

FEATURES

- Customized machine length according to customer's requirement.
- Variable speed control.
- Compatible SMEMA interface.
- Anti-catching track design.
- Automatic/inspection mode.
- Accurate stop in position.



TECHNICAL SPECIFICATIONS

- Transport height: 900 +/- 20 mm (Customized).
- Conveying direction: Left-Right or Right-Left.
- Speed: 0.5 to 20 meters per minute (Custom).
- Tape type: ESD tape (Round tape).
- Electrical requirements: AC110V/220V.
- Maximum power consumption: 100VA.
- Load capacity: 2 kilograms per PCB.
- Safety: CE Certificates

SPECIFICATIONS

MODEL	DIMENSIONS (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CS-500L-S	500*676*900	50*50-445*350	55
CS-500XL-S	500*786*900	50*50 - 460*460	70
CS-1000L-S	1,000*676*900	50*50-445*350	80
CS-1000XL-S	1,000*786*900	50*50-460*460	95

PCB MAGAZINE LOADER

DESCRIPTION

This equipment is used for PCB board loading operation in SMT production line.

FEATURES

- Applies to PLC + touch screen controller.
- SMEMA interface with LED tower lamp.
- Fault code display function with automatic diagnosis.
- Upper and lower pneumatic clamps for magazine rack securing.

TECHNICAL SPECIFICATIONS

- Maximum power consumption of 300VA.
- Pneumatic requirements: 4 to 6 bar.
- Air consumption: 10L/min maximum.
- Electric requirements: AC 110/220V +- 10V, 50/60Hz.
- Conveying height: 900 +- 20 millimeters (Customized).
- Conveying direction: Left-Right or Right-Left.
- Number of magazine
 - Top: 1
 - Down: 2
- Cycle time: Approximately 6 seconds or specify.
- Magazine change time: Approximately 30 seconds or specify.
- Indexing step: 10, 20, 30, 40 millimeters or specify.
- CE Certified.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	MAGAZINE SIZE (L*W*H.MM)	WEIGHT (KG)
CC-M-S	1,330*765*1,250	50*80-330*250	355*320*563	140
CC-L-S	1,650*845*1,250	50*80-445*330	460*400*563	200
CC-LL-S	1,800*909*1,250	50*80-530*390	535*460*563	240
CC-XL-S	1,800*980*1,250	50*80-530*460	535*530*563	300
CC-XXL-S	2,065*1,230*1,250	50*80-610*460	630*530*563	350

PCB MAGAZINE UNLOADER

FEATURES

- Applies to PLC + touch screen controller.
- Fault code display function with automatic diagnosis.
- SMTA interface with LED tower lamp.
- Upper and lower pneumatic clamps for magazine rack securing.

TECHNICAL SPECIFICATIONS

- Electrical requirements: AC 110/220V +- 10V, 50/60Hz.
- Maximum power consumption of 300VA.
- Pneumatic requirements: 4 to 6 bar.
- Air consumption: 10 L/min max.
- Control: PLC.
- Conveying height: 900 +- 20 millimeters (Customized).
- Conveying direction: Left-Right or -Right-Left.
- Number of magazines.
 - Up: 1
 - Down: 1
- Cycle time: Approximately 6 seconds or specify.
- Magazine changeover time: Approximately 30 seconds or specify.
- Indexing step: 10, 20, 30, 40 millimeters or specify.
- CE Certified.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	MAGAZINE SIZE (L*W*H.MM)	WEIGHT (KG)
CD-M-S	1,730*765*1,250	80*80-330*250	355*320*563	140
CD-L-S	2,058*845*1,250	80*80-445*330	460*400*563	220
CD-LL-S	2,260*909*1,250	80*80-530*390	535*530*563	280
CD-XL-S	2,260*980*1,250	80*80-530*460	535*530*563	320
CD-XXL-S	2,610*1,230*1,250	80*80-610*460	630*530*563	450

PCB STACKER / DESTACKER FOR BARE BOARD

DESCRIPTION

This equipment is used for PCB bare board material in the production line.

FEATURES

- PLC + LED touch screen controller, easy to operate.
- SMEMA interface with LED tower lamp.
- Load increase without interference.

TECHNICAL SPECIFICATIONS

- Electrical requirements: AC 110V/220V, Single Phase.
- Maximum power consumption: 100VA.
- Pneumatic requirements: 4 to 6 bar.
- Air consumption: 10 L/min maximum.
- Control: PLC.
- Conveying height: 900 +/- 20 millimeters (Customized).
- Conveying direction: Left-Right or Right-Left.
- Cycle time: Approximately 10 seconds or specify.
- Maximum PCB capacity: 400 pieces (0.6 millimeters thick).
- CE Certified.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CSD-046A-S	550*889*1,200	50*50-530*460	200
CSD-046A1-S	503*889*1,200	50*50-530*460	180

PCB INVERTOR / FLIPPER CONVEYOR

DESCRIPTION

This unit is used to invert printed circuit boards printed circuit boards (180°) for the "double-sided" process.

FEATURES

- Control by Panasonic PLC program.
- Top cover can be opened for easy maintenance.
- Machine size can be customized according to customer's requirements.
- Parallel and smooth width adjustment (head screw).
- SMEMA interface with LED tower lamp.

TECHNICAL SPECIFICATIONS

- Electrical requirements: AC 110V/220V, Single Phase.
- Maximum power consumption of 150VA.
- Pneumatic requirements: 4 to 6 bar.
- Air consumption: 1.1L/min maximum.
- Control: PLC
- PCB thickness: 0.4 to 3.5 millimeters.
- Conveying height: 900 +- 20 millimeters (Customized).
- Conveying direction: Left-Right or Right-Left.
- Cycle time: Approximately 10 seconds or specify.
- Belt type: ESD belt.
- CE Certified.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CF-035A-S	500*725*1,250	50*50-445*350	120
CF-046A-S	600*856*1,250	50*50-550*460	160

NG BUFFER CONVEYOR

DESCRIPTION

This device can buffer NG and OK cards from AOI or SPI inspection machines.

The OK card will go to the next program, and the NG card will go to the machine's top to the top layer of the machine and send it to the machine for manual confirmation.

FEATURES

- Control: PLC.
- Customized design is possible.
- PLC + Touch screen control, easy to operate.
- Uses durable rollers for transmission (No need to change belts).
- Three operation modes: FIFO (first in first out), LIFO (last in first out) and PASS.
- SMEMA interface with LED tower lamp.

TECHNICAL SPECIFICATIONS

- Electrical requirements: AC 110V/220V; Single phase.
- Maximum power consumption 250VA.
- Transport height: 900 +/- 20 millimeters (Customized).
- Transport direction: Left-Right or Right-Left.
- Cycle time: Approximately 10 seconds or specify.
- Number of stock: 20 pieces or specify.
- CE Certified.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CB-L-S	1,000*790*1,640	50*50-460*350	300
CB-XL-S	1,200*900*1,640	50*50-530*460	330

PCB SHUTTLE CONVEYOR

DESCRIPTION

This unit is used to redirect the PCB flow to different channels of a production line.

FEATURES

- Customized design is possible.
- PLC+LED touch screen control, easy to operate.
- Cover can be opened for easy maintenance of the machine.
- Parallel and smooth width adjustment (spindle).
- SMEMA interface with LED tower lamp.
- Machine width depends on the distance.

TECNICAL SPECIFICATIONS

- Electrical requirements: AC 110V/220V; Single phase.
- Maximum power consumption: 250VA.
- Transport height: 900 +/- 20 millimeters (Customized).
- Conveyor direction: Left-Right or Right-Left.
- Conveyor speed: 0.5 to 20 meters per minute or specify.
- Cycle time: Depends on distance.
- Conveyor type: ESD belt.
- CE Certified.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	MACHINE WIDTH	WEIGHT (KG)
CSH-1500M-S	500*1,500*1,050	50*50-450*350	(1500 mm) Depaneling on the distance	140
CSH-4500L-S	600*4,500*1,050	50*50-550*350	(4500 mm) Depaneling on the distance	280

LARGE COOLING BUFFER

DESCRIPTION

This unit is used as a cooling buffer after the reflow oven.

FEATURES

- Customized design is possible.
- Three operating modes: first in first out, last in, first out, pass-through.
- Parallel and smooth width adjustment (feed screw).
- Fast cooling effect.
- Capable of conveying heavy products without problems.
- SMEMA interface with LED tower lamp.



TECHNICAL SPECIFICATIONS

- Electrical requirements: AC 110/220V +- 10V, 50/60Hz.
- Maximum power consumption of 300VA.
- Transport height: 900 +- 20 millimeters (Customized).
- Conveying direction: Left-Right or Right-Left.
- Cycle time: Approximately 10 seconds or specify.
- Maximum capacity of PCBs: 24 pieces or specify.
- CE Certified.

SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CE-L-S	1,500*1,495*1,760	150*150-1,200*350	300

PCB TELESCOPIC CONVEYOR

DESCRIPTION

This unit is used when a passing lane is required in a production line (fully automatic).

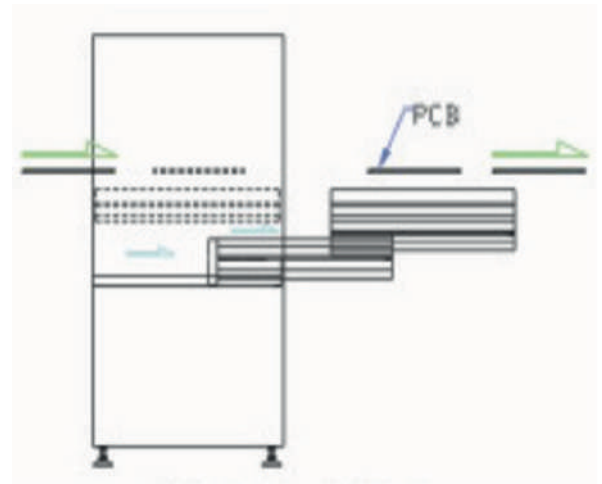
FEATURES

- Control: PLC.
- Control by Panasonic PLC program.
- Fully enclosed design of the telescopic mechanism ensures the safety level of operation.
- Equipped with safety sensors to enhance safety.
- Top cover can be opened for easy maintenance of the machine.
- 700 mm wide channel or as specified by the customer.
- Lowering and raising of the gate conveyor (push button controlled).
- SMEMA interface with LED tower lamp.



TECHNICAL SPECIFICATIONS

- Electrical requirements: AC 110V/220V, Single Phase.
- Maximum power consumption of 200VA.
- Transport height: 900 +/- 20 millimeters (Customized).
- Conveyor direction: Left-Right or Right-Left.
- Conveyor speed: 0.5 to 20 meters per minute or specify.
- Conveyor type: ESD belt.
- CE Certified.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CT-035A-S	1,500*650*1,050	50*50-445*350	200
CT-046A-S	1,500*760*1,050	50*50-530*460	230



**THROUGH
HOLE
CONVEYORS**

THROUGH HOLE

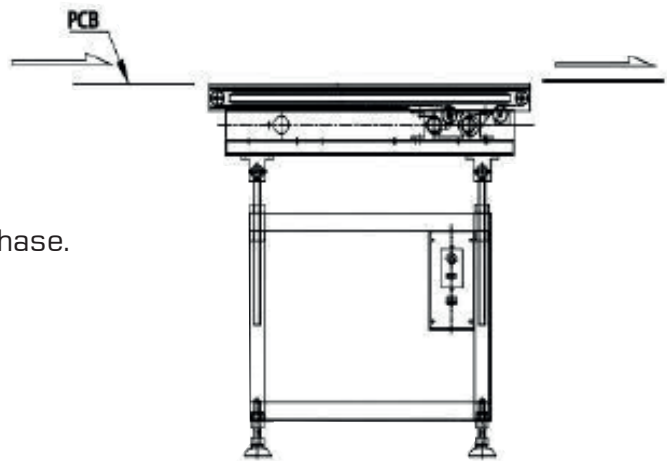
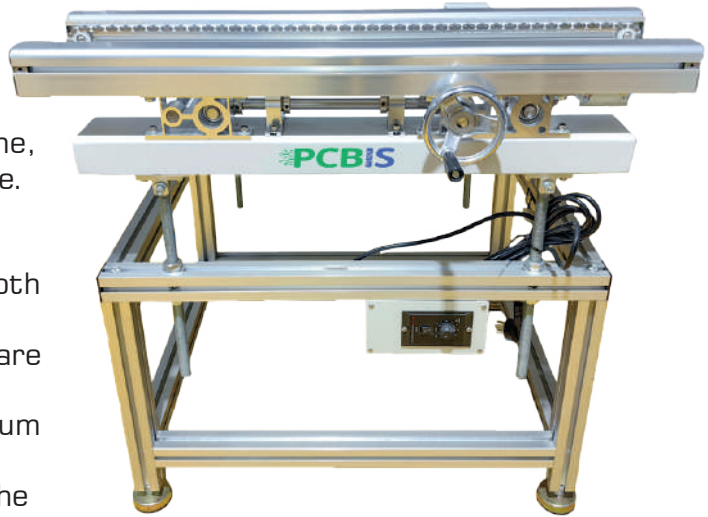
WAVE SOLDER INFEED CONVEYOR

DESCRIPTION

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

FEATURES

- It is using before the wave soldering machine, fulfill the automatic of the DIP production line.
- Structurally stable design.
- Width and speed are adjustable.
- Applies to the chain conveyor, running smooth and longer lifespan.
- Green belt with hole and anti-skidding belt are optional.
- Select rectangular welding frame or aluminum profile frame optional.
- Using in the THT production line, connect the wave soldering machine and the plug in lines. Unload the PCBA assembly after the soldering.
- The cooling fan can be set to cool down the PCB board.



TECHNICAL SPECIFICATIONS

- Convey Type: 35B Nylon chain or specify.
- Convey Speed: To 0.5 20m/min or specify.
- Power Supply: AC 110V or 220V ; Single Phase.
- Power Consumption: Max 100VA.
- Transport Direction: L-R or R-L.
- Safety: CE Certificates.
- Customized Design is Possible.

OPTIONS

- Green belt with hole and anti-skidding belt.
- Select rectangular welding frame or aluminum profile frame.

SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CSS-L-S	800*600*750	50*50-445*350	35
CSS-XL-S	800*700*750	50*50-530*460	45

THROUGH HOLE

WAVE SOLDER UNLOAD CONVEYOR

DESCRIPTION

This equipment is used for PCB board transfer after wave soldering.

FEATURES

- Touch screen controller, easy to operate.
- The track width can be quickly and manually adjusted according to the size of the product.
- Parallel and smooth width adjustment (lead screw).
- Special chain transmission ensures product transmission efficiency.
- The height adjustment range of the inlet and outlet plates is large, which is convenient to adjust.
- The overall structure adopts aluminum profile structure with beautiful appearance.
- Fully enclosed design ensures operational safety level.
- Drawer design, easy maintenance.
- Smaller footprint.
- Compatible SMEMA Interface.

TECHNICAL SPECIFICATIONS

- Speed: 0.5m/min adjustable
- Power supply: AC 110 Volts Or 220 Volts; Single Phase
- Power: Max 100 V
- PCB Thickness: 0.6-5mm
- Transmission height: Input 1100-1350mm (adjustable), Output 700-950 mm (adjustable)
- Transport Direction: L-R or R-L.
- Safety: CE Certificates.
- Customized Design is Possible.



SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
CDS-35W-S	2200*485*1400	50*50-445*350	80
CDS-45W-S	2200*600*1400	50*50-450*450	85

THROUGH HOLE

WAVE SOLDER OUTFEED CONVEYOR

DESCRIPTION

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

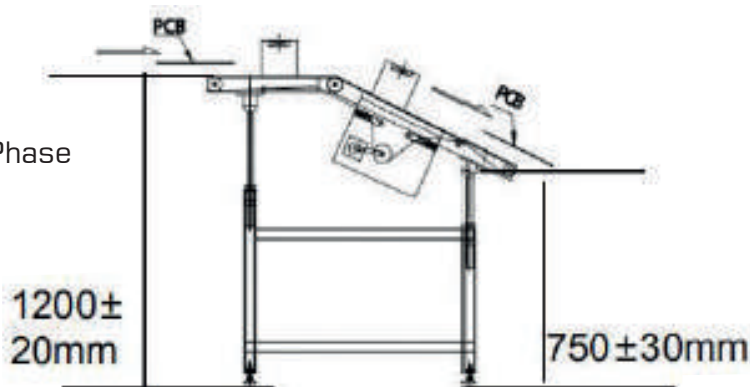
FEATURES

- Speed, the angle of the guide rail, height can be adjusted, flexible.
- Structurally stable design.
- Parallel and smooth width adjustment (lead screw).
- Structurally stable design.
- Minimize the transmission gap between conveyors.
- Green belt with hole and anti-skidding belt are optional.
- Select rectangular welding frame or aluminum profile frame optional.
- Using in the THT production line, connect the wave soldering machine and the plug-in lines. Unload the PCBA assembly after the soldering.
- The cooling fan can be set to cool down the PCB board.
- The machine size can be customized according to customer requirements.



TECHNICAL SPECIFICATIONS

- Convey type: Static-free/steel mesh belt
- Convey speed: 0.5-20m/min or specify
- Power supply: AC 110V or 220V ; Single Phase
- Power consumption: Max 100VA
- Transport Direction: L-R or R-L
- Load bearing: 2kg/PCB
- Safety: CE Certificates
- Control: PLC
- Customized Design is Possible



OPTIONS

- Green belt with hole and anti-skidding belt.
- Select rectangular welding frame or aluminum profile frame.

SPECIFICATIONS

MODEL	DIMENSION (L*W*H.MM)	PCB SIZE (L*W.MM)	WEIGHT (KG)
COS-040A-S	1200*520*1400	50*50-445*350	35
COS-050A-S	1200*620*1400	50*50-530*460	45

ASSEMBLY LINE WORKING TABLES / BELT CONVEYOR ASSEMBLY LINE

DESCRIPTION

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

FEATURES

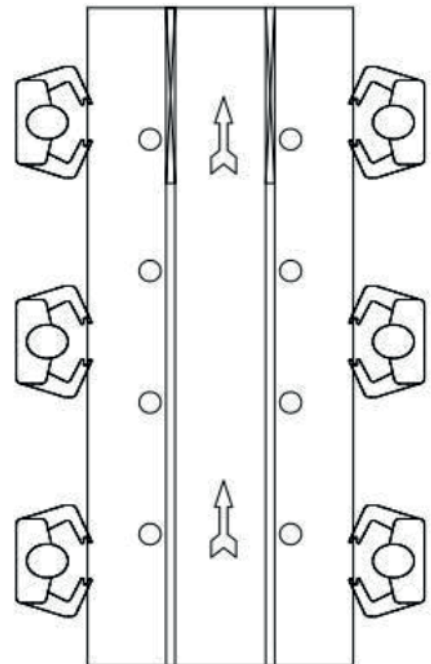
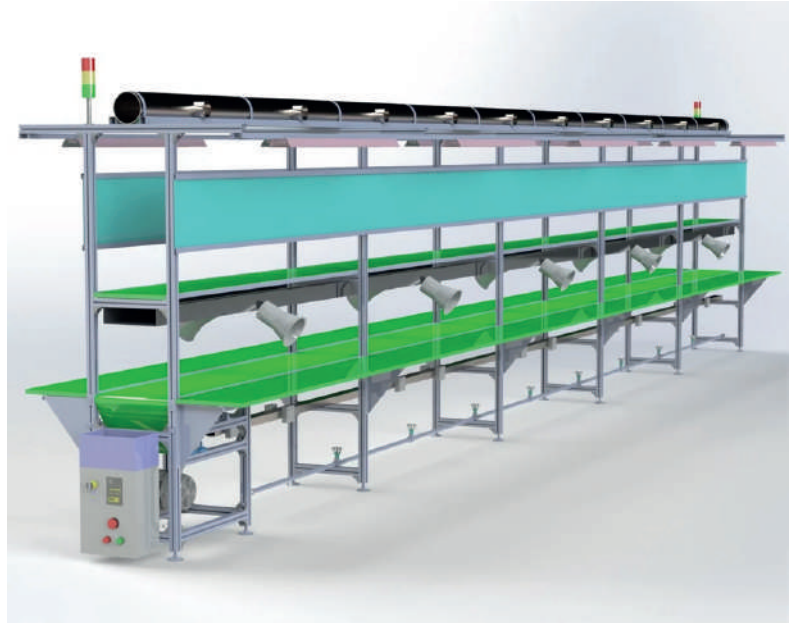
- Frame Structure Material: Aluminum profile, iron square tube, etc.
- Worktop Material: Wood plate with anti-static rubber, Or customized.
- Worktop Thickness: 18mm wood plate + 2mm thickness anti-static rubber, Or customized.
- Assembly Line Type: With Upper bracket or not, One-sided or double sided, etc.
- Conveyor Belt Material: Green PVC belt
- Assembly Line Length: 6, 10, 18, 25, 30, 40 meters Or customized.
- Assembly Line Width: 1.2Meters, 1.6 Meters, Or customized.
- Belt Conveyor Speed: 0~6 meters per minute.
- Drive System: High quality geared motor, speed control inverter.

ADVANTAGE:

- Low noise, which is suitable for occasions where the working environment requires a relatively quiet environment.
- It can not only transport various bulk materials, but also transport various cartons, packaging bags and other light weight items, and has a wide range of uses.
- It has the advantages of strong conveying capacity, long conveying distance, low energy consumption, low cost of use, simple structure and easy maintenance, and can conveniently implement programmed control and automatic operation.
- It is widely used in the transportation of parts assembly in electronics, household appliances, food, automobiles, motorcycles and other industries.

OPTIONS

- Can be add lamp, socket & switch, cabinet, electric fan, operation card, exhaust pipe, integrated with belt / roller conveyor, etc.
- It can be customized according to customer requirements.



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