AS TECHNOLOGIES

AS TECHNOLOGIES GMBH · PRODUCT CATALOGUE

# Board Handling Equipment

Product catalogue: loaders, unloaders, conveyors, buffers, turn units and special modules for SMT production lines.



| 25 | 12 | 30+ |
| --- | --- | --- |
| MODULES | PRODUCT GROUPS | YEARS OF EXPERIENCE |

# Product contents

MAGAZINE LOADER & UNLOADER

Multi Magazine Loader 03

Multi Magazine Unloader 05

Single Magazine Loader 07

Single Magazine Unloader 09

CONVEYOR

PCB Conveyor 500mm 11

PCB Conveyor 1000mm 13

NG/OK UNLOADER

PCB NG/OK Unloader 15

BARE BOARD LOADER & UNLOADER

PCB Destacker 17

PCB Push-up Stacker 19

Vacuum Bare Board Loader 21

TURN CONVEYOR

PCB Turn Conveyor L-type 23

INVERTER

PCB Inverter 25

BUFFER

Multifunction PCB Buffer 27

Single Magazine Buffer 29

TRAVERSER

PCB Traverser 31

REJECT CONVEYOR

PCB Reject Conveyor 33

AOI Rework Conveyor 35

GATE CONVEYOR

Telescopic Gate Conveyor 37

Lowering Gate Conveyor 39

Manual Lift Gate Conveyor 41

WAVE SOLDER CONVEYOR

Wave Solder Infeed Conveyor 43

Wave Solder Outfeed Conveyor 45

Flat Belt Conveyor 47

ADJUSTABLE LOADER & UNLOADER

Adjustable Multi Magazine Loader 48

Adjustable Multi Magazine Unloader 50

MAGAZINE LOADER & UNLOADER

# Multi Magazine Loader

ML-250A-CT | ML-330A-CT | ML-390A-CT | ML-460A-CT

01 / 25



## APPLICATION

The Multi Magazine Loader is used at the starting of the line for loading of PCBs to the production line. The unit loads the production line automatically by pushing PCBs out of a magazine onto the conveyor of the downstream machine.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Multiple pitches selectable.
- Automatic magazine change-over.
- Tower light display for machine status.
- 3 magazines loading capability.
- SMEMA interface.
- CE certified.

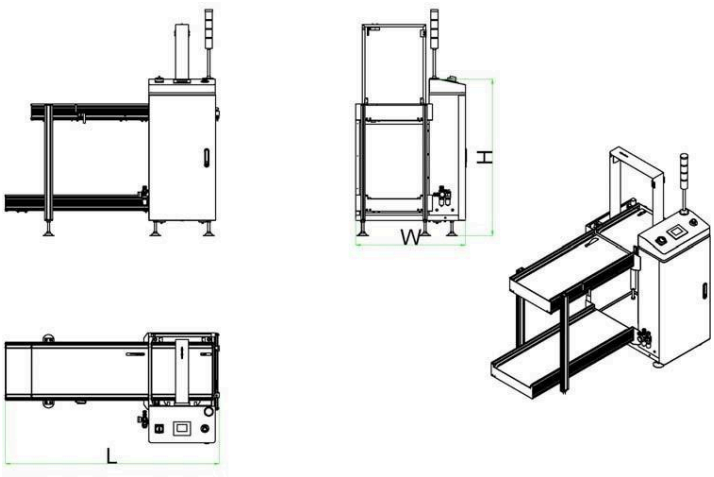
# Multi Magazine Loader

## SPECIFICATIONS

| MODEL | ML-250A-CT | ML-330A-CT | ML-390A-CT | ML-460A-CT |
|---|---|---|---|---|
| Size | M | L | LL | XL |
| Power | AC 110/220V ±10V, 50/60 Hz | | | |
| Air Pressure | 4 - 6 kgf/cm² | | | |
| Fixed Rail | Front | | | |
| PCB Size | 350 × (50 - 250) mm | 460 × (50 - 330) mm | 535 × (50 - 390) mm | 535 × (50 - 460) mm |
| Transfer Height | 900 ±20 mm or Specify | | | |
| Transfer Direction | left to right or right to left (option) | | | |
| Magazine Rack Size | 350 × 320 × 563 mm | 460 × 400 × 563 mm | 535 × 460 × 570 mm | 535 × 530 × 570 mm |
| Pitches | 1 - 50, 10 mm pitch | | | |
| Machine Dimension | 1365 × 765 × 1200 mm | 1650 × 850 × 1200 mm | 1745 × 910 × 1200 mm | 1745 × 980 × 1200 mm |
| Machine Weight | 220 kg | 240 kg | 260 kg | 270 kg |

* Other options available on request.

## DIMENSIONS



MAGAZINE LOADER & UNLOADER

# Multi Magazine Unloader

MU-250A-CT | MU-330A-CT | MU-390A-CT | MU-460A-CT

02 / 25



## APPLICATION

The Multi Magazine Unloader is used at the end of the line for unloading of PCBs from the production line. An arriving PCB is taken up by the attached conveyor and then pushed into the magazine by the pusher. The magazine indexes to the next position and is ready for the following unloading cycle.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Multiple pitches selectable.
- Automatic magazine change-over.
- Tower light display for machine status.
- 3 magazines loading capability.
- SMEMA interface.
- CE certified.

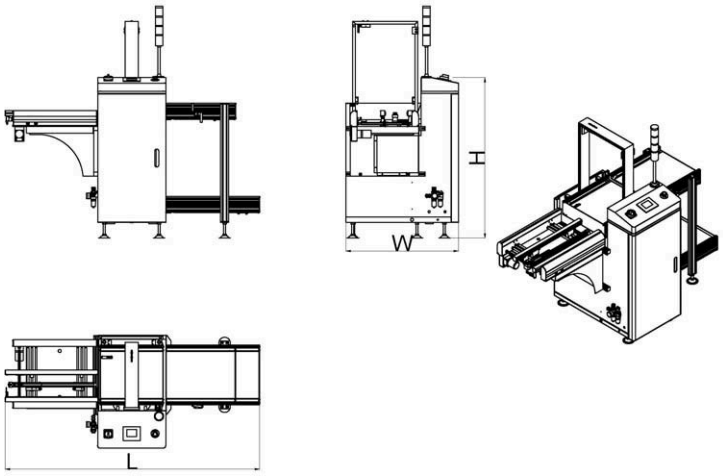
# Multi Magazine Unloader

## SPECIFICATIONS

| MODEL | MU-250A-CT | MU-330A-CT | MU-390A-CT | MU-460A-CT |
|---|---|---|---|---|
| **Size** | M | L | LL | XL |
| **Power** | AC 110/220V ±10V, 50/60 Hz | | | |
| **Air Pressure** | 4 - 6 kgf/cm² | | | |
| **Fixed Rail** | Front | | | |
| **PCB Size** | 350 × (50 - 250) mm | 460 × (50 - 330) mm | 535 × (50 - 390) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm or Specify | | | |
| **Transfer Direction** | left to right or right to left (option) | | | |
| **Magazine Rack Size** | 350 × 320 × 563 mm | 460 × 400 × 563 mm | 535 × 460 × 570 mm | 535 × 530 × 570 mm |
| **Pitches** | 1 - 50, 10 mm pitch | | | |
| **Machine Dimension** | 1685 × 745 × 1200 mm | 1920 × 820 × 1200 mm | 2165 × 880 × 1200 mm | 2165 × 950 × 1200 mm |
| **Machine Weight** | 240 kg | 270 kg | 290 kg | 310 kg |

* Other options available on request.

## DIMENSIONS



MAGAZINE LOADER & UNLOADER

# Single Magazine Loader

ML-250A-ST | ML-330A-ST | ML-390A-ST | ML-460A-ST

03 / 25



## APPLICATION

The Single Magazine Loader is used at the starting of the line for loading of PCBs to the production line. The unit loads the production line automatically by pushing PCBs out of a magazine onto the conveyor of the down-stream machine.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Multiple pitches selectable.
- Tower light display for machine status.
- 1 magazine loading capability, discharge magazine from the rear of machine.
- SMEMA interface.
- CE certified.

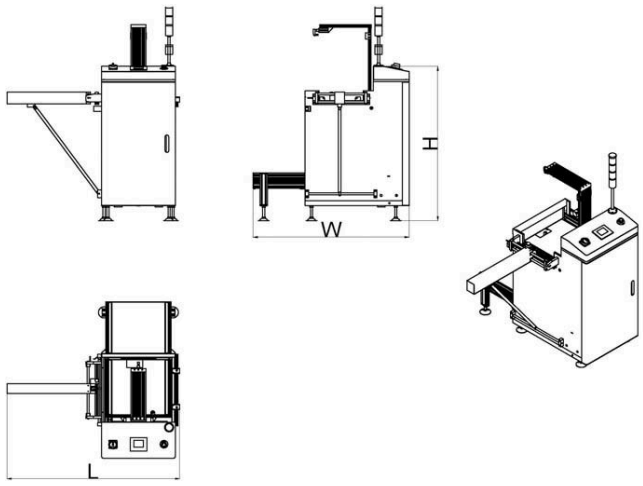
# Single Magazine Loader

SPECIFICATIONS

| MODEL | ML-250A-ST | ML-330A-ST | ML-390A-ST | ML-460A-ST |
|---|---|---|---|---|
| Size | M | L | LL | XL |
| Power | AC 110/220V ±10V, 50/60 Hz | | | |
| Air Pressure | 4 - 6 kgf/cm² | | | |
| Fixed Rail | Front | | | |
| PCB Size | 350 × (50 - 250) mm | 460 × (50 - 330) mm | 535 × (50 - 390) mm | 535 × (50 - 460) mm |
| Transfer Height | 900 ±20 mm or Specify | | | |
| Transfer Direction | left to right or right to left (option) | | | |
| Magazine Rack Size | 350 × 320 × 563 mm | 460 × 400 × 563 mm | 535 × 460 × 570 mm | 535 × 530 × 570 mm |
| Pitches | 1 - 50, 10 mm pitch | | | |
| Machine Dimension | 1140 × 1060 × 1200 mm | 1350 × 1220 × 1200 mm | 1525 × 1340 × 1200 mm | 1525 × 1480 × 1200 mm |
| Machine Weight | 170 kg | 190 kg | 210 kg | 230 kg |

* Other options available on request.

## DIMENSIONS



MAGAZINE LOADER & UNLOADER

# Single Magazine Unloader

MU-250A-ST | MU-330A-ST | MU-390A-ST | MU-460A-ST

04 / 25




## APPLICATION

The Single Magazine Unloader is used at the end of the line for unloading of PCBs from the production line. An arriving PCB is taken up by the attached conveyor and then pushed into the magazine by the pusher. The magazine indexes to the next position and is ready for the following unloading cycle.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Multiple pitches selectable.
- Tower light display for machine status.
- 1 magazine loading capability, discharge magazine from the rear of machine.
- SMEMA interface.
- CE certified.

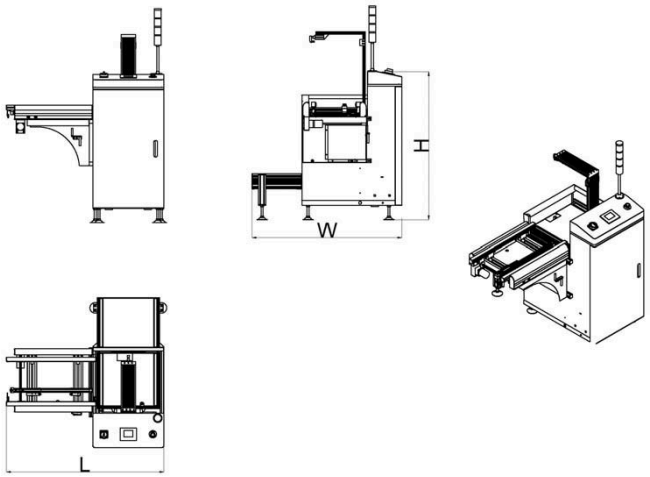
# Single Magazine Unloader

SPECIFICATIONS

| MODEL | MU-250A-ST | MU-330A-ST | MU-390A-ST | MU-460A-ST |
|---|---|---|---|---|
| Size | M | L | LL | XL |
| Power | AC 110/220V ±10V, 50/60 Hz | | | |
| Air Pressure | 4 - 6 kgf/cm² | | | |
| Fixed Rail | Front | | | |
| PCB Size | 350 × (50 - 250) mm | 460 × (50 - 330) mm | 535 × (50 - 390) mm | 535 × (50 - 460) mm |
| Transfer Height | 900 ±20 mm or Specify | | | |
| PCB Direction | left to right or right to left (option) | | | |
| Magazine Rack Size | 350 × 320 × 563 mm | 460 × 400 × 563 mm | 535 × 460 × 570 mm | 535 × 530 × 570 mm |
| Pitches | 1 - 50, 10 mm pitch | | | |
| Machine Dimension | 1120 × 1060 × 1200 mm | 1280 × 1220 × 1200 mm | 1460 × 1340 × 1200 mm | 1460 × 1480 × 1200 mm |
| Machine Weight | 200 kg | 210 kg | 230 kg | 250 kg |

* Other options available on request.

## DIMENSIONS



CONVEYOR

# PCB Conveyor 500 mm

C-50LD-M | C-50LD-L | C-50LJ-M | C-50J-L

05 / 25



## APPLICATION

The PCB Conveyor is used in the PCB assembly line when frequent visual inspection of PCBs is required, can be used as an Inspection conveyor or a Linking conveyor.

## FEATURES

- PLC Control system.
- Metal fabricated frame.
- Width adjustment system by hand crank.
- Motorized width adjustment by switch, Automatic width adjustment by touch screen setting, Automatic width adjustment by follow me system available on request.
- Variable speed control.
- Inspection and by pass mode selectable.
- Multi-zone concept available on request.
- SMEMA compliant.
- CE certified.

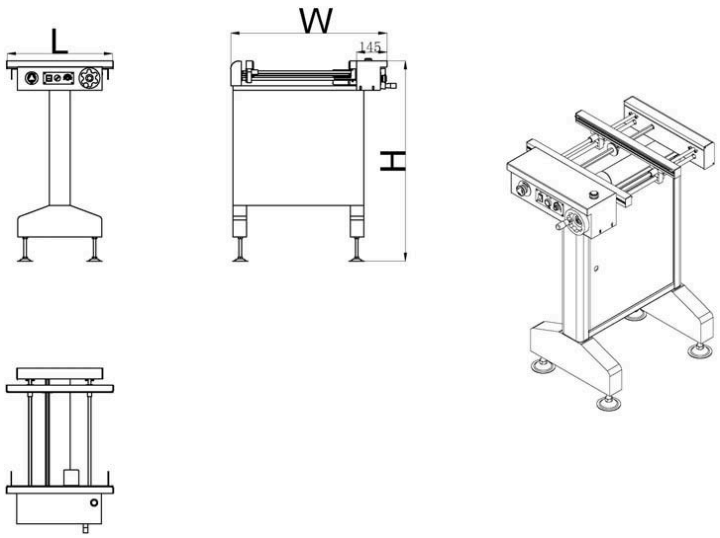
# PCB Conveyor 500 mm

SPECIFICATIONS

| MODEL | C-50LD-M | C-50LD-L | C-50LJ-M | C-50J-L |
|---|---|---|---|---|
| **Conveyor Length** | 500 mm | 500 mm | 500 mm | 500 mm |
| **Power** | AC 110/220V ±10V, 50/60 Hz | | | |
| **Fixed Rail** | Front | | | |
| **PCB Width** | 50 - 350 mm | 50 - 460 mm | 50 - 350 mm | 50 - 460 mm |
| **Transfer Speed** | 1 - 12m/min adjustable | | | |
| **Transfer Height** | 900 ±20 mm | | | |
| **Transfer Direction** | left to right or right to left (option) | | | |
| **Working Light** | N | N | Y | Y |
| **Machine Dimension** | 500 × 650 × 900 mm | 500 × 750 × 900 mm | 500 × 650 × 1800 mm | 500 × 750 × 1800 mm |
| **Machine Weight** | 50 kg | 58 kg | 60 kg | 68 kg |

* Other options available on request.

## DIMENSIONS



CONVEYOR

# PCB Conveyor 1000 mm

C-100LD-M | C-100LD-L | C-100LJ-M | C-100J-L

06 / 25



## APPLICATION

The PCB Conveyor is used in the PCB assembly line when frequent visual inspection of PCBs is required, can be used as an Inspection conveyor or a Linking conveyor.

## FEATURES

- PLC Control system.
- Metal fabricated frame.
- Width adjustment system by hand crank.
- Motorized width adjustment by switch, Automatic width adjustment by touch screen setting, Automatic width adjustment by follow me system available on request.
- Variable speed control.
- Inspection and by pass mode selectable.
- Multi-zone concept available on request.
- SMEMA compliant.
- CE certified.

# PCB Conveyor 1000 mm

SPECIFICATIONS

| MODEL | C-100LD-M | C-100LD-L | C-100LJ-M | C-100J-L |
|---|---|---|---|---|
| Conveyor Length | 1000 mm | 1000 mm | 1000 mm | 1000 mm |
| Power | AC 110/220V ±10V, 50/60 Hz | | | |
| Fixed Rail | Front | | | |
| PCB Width | 50 - 350 mm | 50 - 460 mm | 50 - 350 mm | 50 - 460 mm |
| Transfer Speed | 1 - 12m/min adjustable | | | |
| Transfer Height | 900 ±20 mm | | | |
| Transfer Direction | left to right or right to left (option) | | | |
| Working Light | N | N | Y | Y |
| Machine Dimension | 1000 × 650 × 900 mm | 1000 × 750 × 900 mm | 1000 × 650 × 1800 mm | 1000 × 750 × 1800 mm |
| Machine Weight | 70 kg | 78 kg | 82 kg | 90 kg |

* Other options available on request.

## DIMENSIONS



NG/OK UNLOADER

# PCB NG/OK Unloader

UNG-250A-CT | UNG-330A-CT | UNG-390A-CT | UNG-460A-CT

07 / 25



## APPLICATION

The PCB NG/OK Unloader is used for good/bad PCB separation. The PCBs are collected from upstream machine onto a shuttle conveyor and pushed into designated magazine. Shuttle conveyor moves sideways between upstream machine and magazines.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen. Good and bad PCBs can be separated automatically with magazine rack.
- Multiple pitches selectable, automatic magazine change-over.
- Tower light display for machine status. 3 magazines for good PCBs, 3 magazines for bad PCBs loading capability.

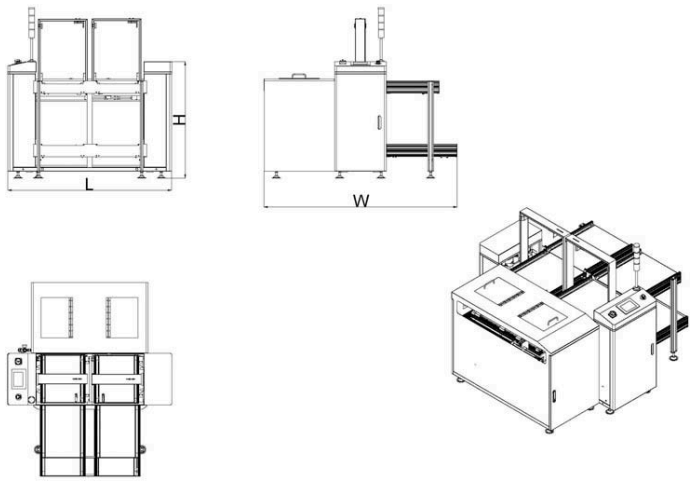
# PCB NG/OK Unloader

SPECIFICATIONS

| MODEL | UNG-250A-CT | UNG-330A-CT | UNG-390A-CT | UNG-460A-CT |
|---|---|---|---|---|
| Size | M | L | LL | XL |
| Power | AC 110/220V ±10V, 50/60 Hz | | | |
| Air Pressure | 4 - 6 kgf/cm² | | | |
| Fixed Rail | Front | | | |
| PCB Size | 350 × (50 - 250) mm | 460 × (50 - 330) mm | 535 × (50 - 390) mm | 535 × (50 - 460) mm |
| Transfer Height | 900 ±20 mm or Specify | | | |
| Transfer Direction | left to right or right to left (option) | | | |
| Magazine Rack Size | 350 × 320 × 563 mm | 460 × 400 × 563 mm | 535 × 460 × 570 mm | 535 × 530 × 570 mm |
| Pitches | 1 - 50, 10 mm pitch | | | |
| Machine Dimension | 1680 × 1460 × 1200 mm | 1890 × 1630 × 1200 mm | 2160 × 1760 × 1200 mm | 2160 × 1900 × 1200 mm |
| Machine Weight | 300 kg | 340 kg | 390 kg | 410 kg |

* Other options available on request.

## DIMENSIONS



BARE BOARD LOADER & UNLOADER

# PCB Destacker

DU-350A-CT | DU-460A-CT

08 / 25



## APPLICATION

The PCB Destacker is used for loading bare board onto the PCB assembly line. A large stack of boards are placed above the ESD belt conveyor, the mechanism separates the bottom PCB from the stacker and lowers it onto the edge belt conveyor.

## FEATURES

- ✓ Controlled by Omron PLC.
- ✓ Easy operation by touch screen.
- ✓ Large capacity.
- ✓ By pass mode selectable without removing PCB stack.
- ✓ Motorized width adjustment by touch screen button.
- ✓ Tower light display for machine status.

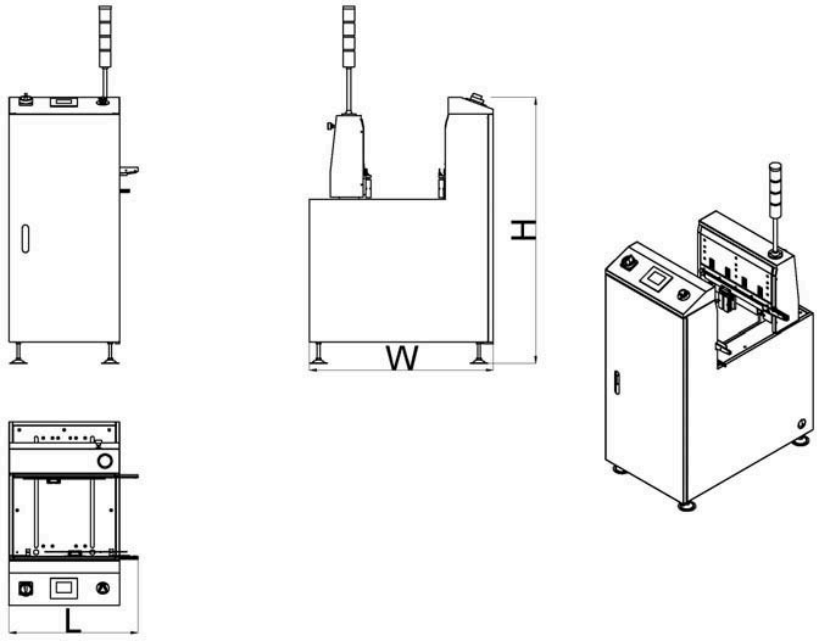
# PCB Destacker

SPECIFICATIONS

| MODEL | DU-350A-CT | DU-460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 600 × 850 × 1270 mm | 600 × 950 × 1270 mm |
| **Machine Weight** | 190 kg | 230 kg |

* Other options available on request.

## DIMENSIONS



BARE BOARD LOADER & UNLOADER

# PCB Push-up Stacker

SU-350A-CT | SU-460A-CT

09 / 25




## APPLICATION

The Push-up Stacker is used for restacking un-populated boards at the end of the line. Stacking is done by a pneumatic lifter, which gently raises the PCBs from the belt conveyor and adds the PCB, one by one, to the bottom of the stack..

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Large capacity.
- Motorized width adjustment by touch screen button.
- Tower light display for machine status.
- SMEMA interface.
- CE certified.

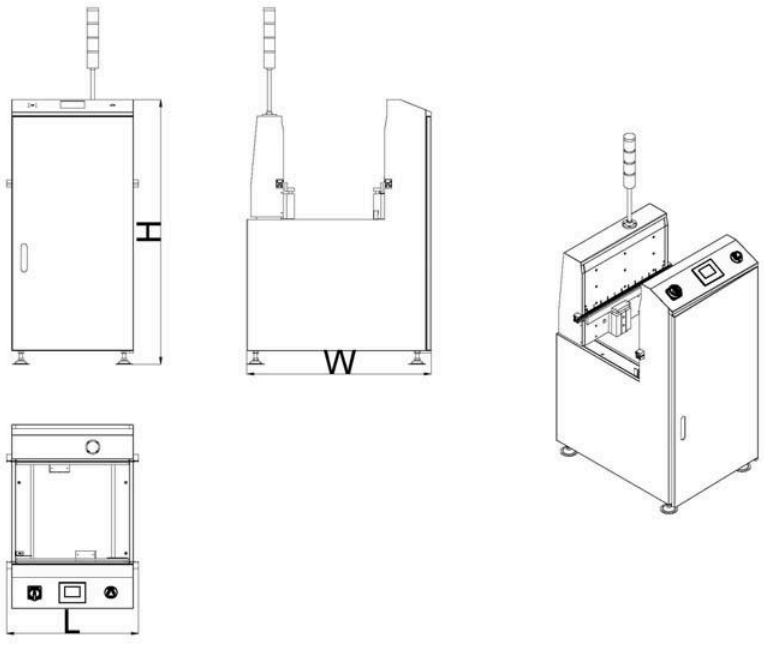
# PCB Push-up Stacker

SPECIFICATIONS

| MODEL | SU-350A-CT | SU-460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 650 × 810 × 1270 mm | 650 × 910 × 1270 mm |
| **Machine Weight** | 150 kg | 180 kg |

* Other options available on request.

## DIMENSIONS



BARE BOARD LOADER & UNLOADER

# Vacuum Bare Board Loader

SL-350A-CT | SL-460A-CT

10 / 25



## APPLICATION

The Bare Board Loader is used for automatically loading unpopulated boards at the beginning, or in the middle of a PCB assembly line. A stack of bare boards is placed underneath the belt conveyor. The bare boards are lifted one by one from the stack by vacuum and are gently lowered onto the belt segment ready for the downstream machine.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Large capacity.
- By pass mode selectable without removing PCB stack.
- Flexible suction design, suction position adjustable.
- Width adjustment system by hand crank.
- Tower light display for machine status.
- SMEMA interface.
- CE certified.

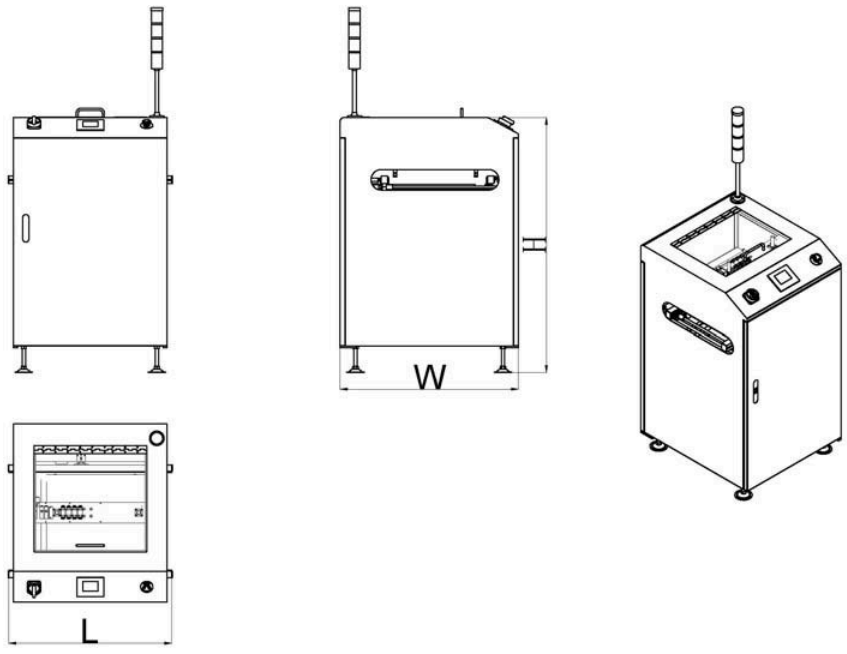
# Vacuum Bare Board Loader

SPECIFICATIONS

| MODEL | SL-350A-CT | SL-460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 700 × 735 × 1250 mm | 800 × 870 × 1250 mm |
| **Machine Weight** | 150 kg | 190 kg |

* Other options available on request.

## DIMENSIONS



TURN CONVEYOR

# PCB Turn Conveyor L-type

TC-350A-CT | TC-460A-CT

11 / 25



## APPLICATION

The 90° PCB Turn Conveyor is used for changing the direction of flow of a PCB assembly line. The PCB is transferred onto the built-in belt conveyor which turns either 90° clockwise or counter clockwise.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- By pass mode selectable.
- Width adjustment system by hand crank.
- Sensor protection more safely. It's controlled with motor, rotate smoothly and accurately.
- Tower light display for machine status.
- SMEMA compliant.
- CE certified.

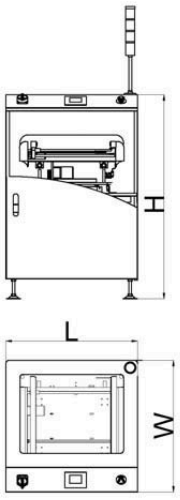
# PCB Turn Conveyor L-type

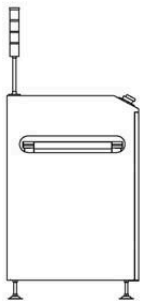
SPECIFICATIONS

| MODEL | TC-350A-CT | TC-460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Turning Direction** | 90° clockwise or counter clockwise (option) | |
| **Machine Dimension** | 700 × 700 × 1250 mm | 800 × 800 × 1250 mm |
| **Machine Weight** | 190 kg | 230 kg |

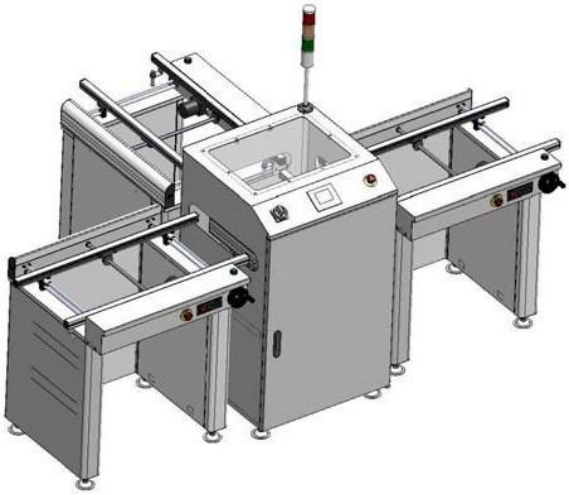
* Other options available on request.

## DIMENSIONS







OPTION: T-TYPE PCB TURN CONVEYOR

INVERTER

# PCB Inverter

IC-350A-CT | IC-460A-CT

12 / 25



## APPLICATION

The PCB Inverter is used for inverting / flipping the PCBs to process the board at both sides without manual handling.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- By pass mode selectable.
- Width adjustment system by hand crank.
- Sensor protection more safely.
- Tower light display for machine status.
- SMEMA compliant.
- CE certified.

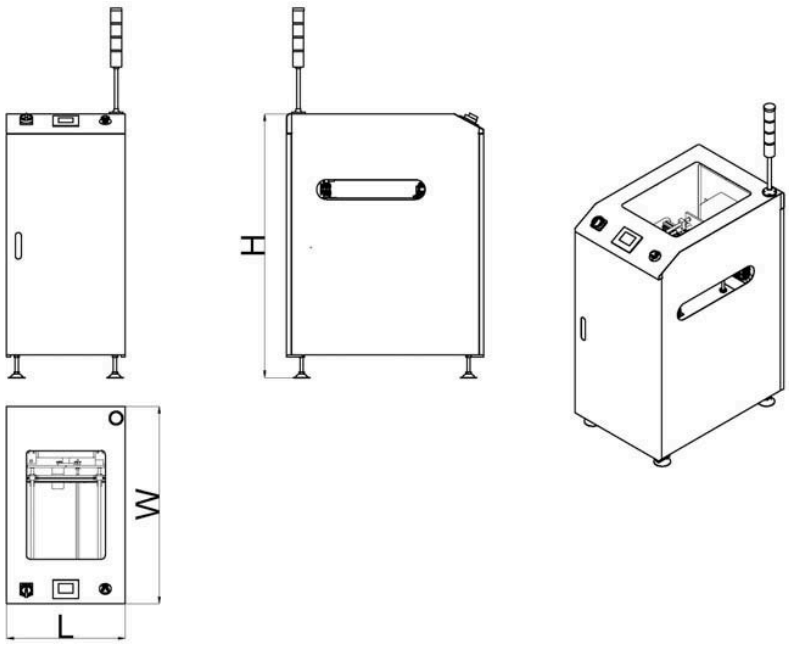
# PCB Inverter

## SPECIFICATIONS

| MODEL | IC-350A-CT | IC-460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 500 × 920 × 1300 mm | 600 × 1000 × 1300 mm |
| **Machine Weight** | 150 kg | 180 kg |

* Other options available on request.

## DIMENSIONS



BUFFER

# Multifunction PCB Buffer

BL-350A-CT | BL-460A-CT

13 / 25



## APPLICATION

The Multifunction PCB Buffer is used for buffering PCBs in LIFO, FIFO, Pass-through mode between SMT machines to improve working efficiency.

## FEATURES

- Controlled by Omron PLC and servo motor.
- Easy operation by touch screen.
- 3 operative modes: FIFO (first in first out), LIFO (last in first out), pass through. Reject mode is available on request.
- Motorized width adjustment by touch screen button. 24 PCBs storage capability.
- Tower light display for machine status.
- SMEMA compliant.
- CE certified.

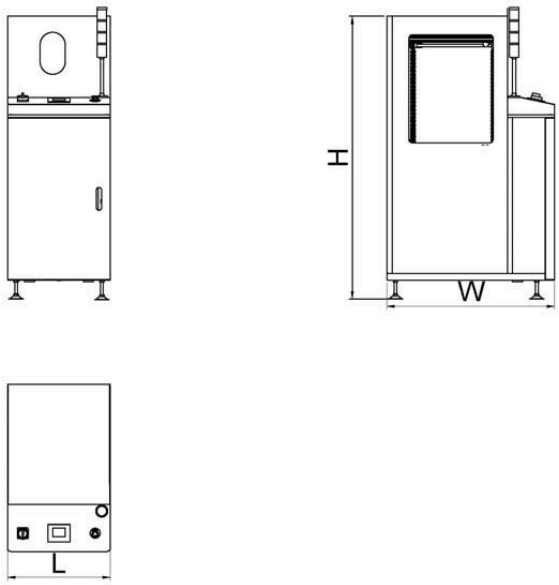
# Multifunction PCB Buffer

## SPECIFICATIONS

| MODEL | BL-350A-CT | BL-460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Buffer Capacity** | Max. 24 PCBs at pitch 1 | |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 500 × 880 × 1650 mm | 610 × 995 × 1650 mm |
| **Machine Weight** | 260 kg | 300 kg |

* Other options available on request.

## DIMENSIONS



BUFFER

# Single Magazine Buffer

SBL-250A-ST | SBL-330A-ST | SBL-390A-ST | SBL-460A-ST

14 / 25



## APPLICATION

The Single Magazine buffer can be used as a mid-line loader or unloader, as a LIFO and FIFO buffer.

## FEATURES

- ✓ Controlled by Omron PLC and servo motor.
- ✓ Easy operation by touch screen.
- ✓ 5 operative modes: Loader, Unloader, FIFO (first in first out), LIFO (last in first out), pass through. Reject mode is available on request.
- ✓ Multiple pitches selectable.
- ✓ 1 magazine loading capability, discharge magazine from the rear of machine.
- ✓ Tower light display for machine status.
- ✓ SMEMA compliant.
- ✓ CE certified.

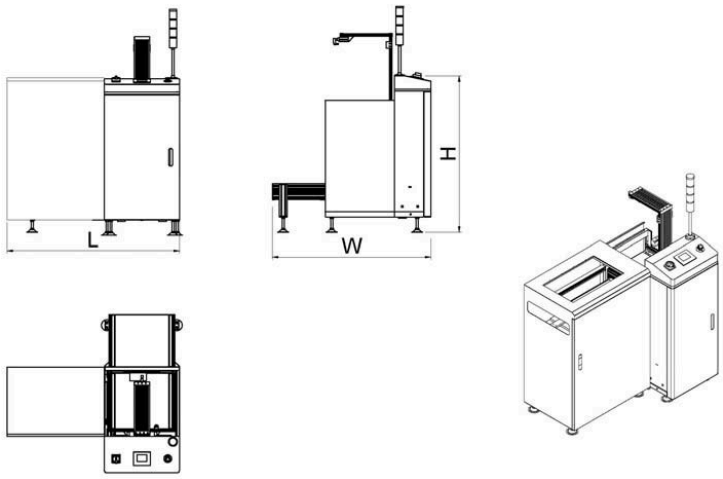
# Single Magazine Buffer

## SPECIFICATIONS

| MODEL | SBL-250A-ST | SBL-330A-ST | SBL-390A-ST | SBL-460A-ST |
|---|---|---|---|---|
| **Size** | M | L | LL | XL |
| **Power** | AC 110/220V ±10V, 50/60 Hz | | | |
| **Air Pressure** | 4 - 6 kgf/cm² | | | |
| **Fixed Rail** | Front | | | |
| **PCB Size** | 350 × (50 - 250) mm | 460 × (50 - 330) mm | 535 × (50 - 390) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm or Specify | | | |
| **Transfer Direction** | left to right or right to left (option) | | | |
| **Magazine Rack Size** | 350 × 320 × 563 mm | 460 × 400 × 563 mm | 535 × 460 × 570 mm | 535 × 530 × 570 mm |
| **Pitches** | 1 - 50, 10 mm pitch | | | |
| **Machine Dimension** | 1120 × 1060 × 1200 mm | 1320 × 1220 × 1200 mm | 1500 × 1340 × 1200 mm | 1500 × 1480 × 1200 mm |
| **Machine Weight** | 220 kg | 240 kg | 260 kg | 280 kg |

* Other options available on request.

## DIMENSIONS



TRAVERSER

# PCB Traverser

SC-350A-CT | SC-460A-CT

15 / 25



## APPLICATION

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

## FEATURES

- Controlled by Omron PLC and servo motor.
- Easy operation by touch screen.
- Width adjustment by hand crank.
- By pass mode selectable.
- Traversing length specified.
- Configuration upon request.
- Front and rear stop positions by touch screen setting.
- SMEMA compliant.
- CE certified.

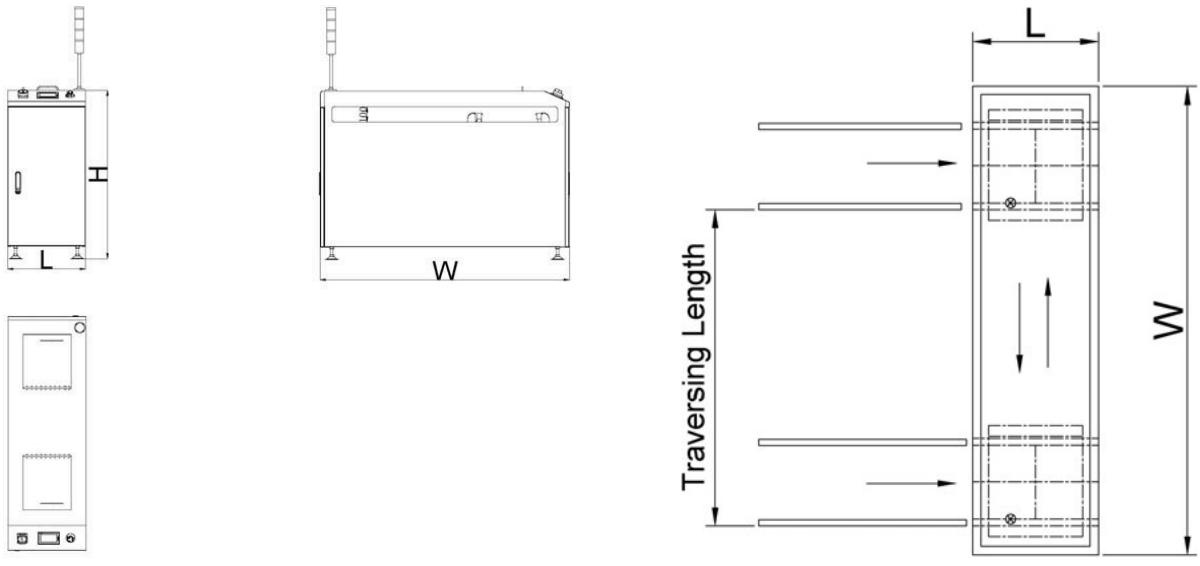
# PCB Traverser

## SPECIFICATIONS

| MODEL | SC-350A-CT | SC-460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Fixed Rail** | Front | |
| **PCB Width** | 50 - 350 mm | 50 - 460 mm |
| **Traversing Length** | specified | |
| **Transfer Height** | 900 ±20 mm | |
| **PCB Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 500*W*1100 mm | 550*W*1100 mm |
| **Machine Weight** | Depends on traversing distance | Depends on traversing length |

* Other options available on request.

## DIMENSIONS



REJECT CONVEYOR

# PCB Reject Conveyor

C-100RC-M | C-100RC-L

16 / 25



## APPLICATION

The PCB Reject Conveyor is designed for good/bad PCB separation. It can also be used when visual inspection of the PCB is required without interrupting the PCB flow. The PCB is lifted up from the conveyor by metal fingers, enabling the following PCBs to continue downstream.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- By pass mode selectable.
- Width adjustment system by hand crank.
- Tower light display for machine status.
- SMEMA compliant.
- CE certified.

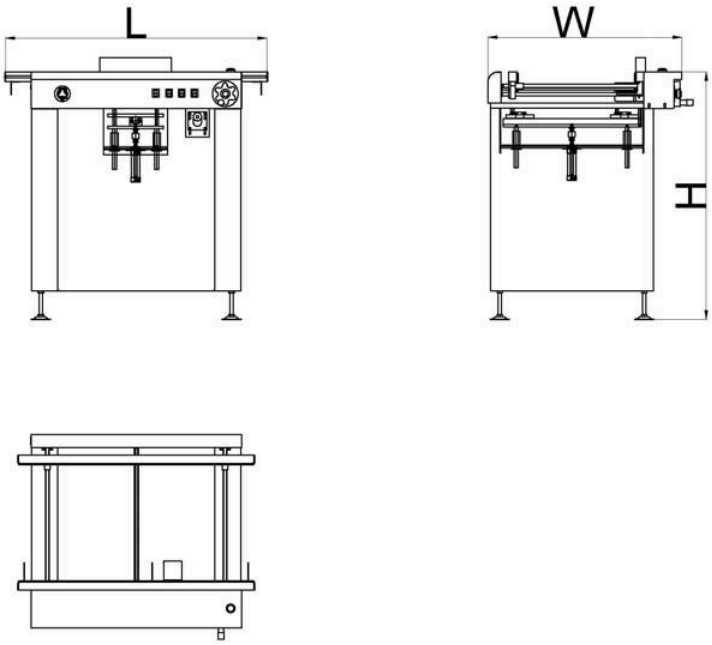
# PCB Reject Conveyor

SPECIFICATIONS

| MODEL | C-100RC-M | C-100RC-L |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 50 - 350 mm | 50 - 460 mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 1000 × 650 × 900 mm | 1000 × 750 × 900 mm |
| **Machine Weight** | 85 kg | 95 kg |

* Other options available on request.

## DIMENSIONS



REJECT CONVEYOR

# AOI Rework Conveyor

C-150LR-3-M | C-150LR-3-L

17 / 25



## APPLICATION

The AOI Rework Conveyor is used for good/bad PCB Separation. The center segment pneumatically move up/down allowing separation without interrupting the flow of good PCBs.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- By pass mode selectable. 3 belt segments, providing possibility to buffer one failed PCB and three good PCBs.
- Width adjustment system by hand crank.
- Tower light display for machine status.
- SMEMA compliant.
- CE certified.

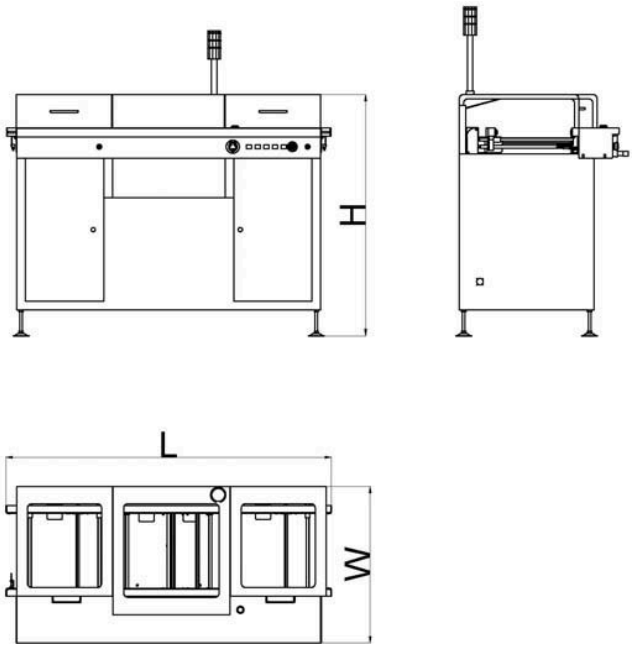
# AOI Rework Conveyor

SPECIFICATIONS

| MODEL | C-150LR-3-M | C-150LR-3-L |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **PCB Size** | 50 - 350 mm | 50 - 460 mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 1500 × 730 × 1100 mm | 1500 × 830 × 1100 mm |
| **Machine Weight** | 165 kg | 180 kg |

* Other options available on request.

## DIMENSIONS



GATE CONVEYOR

# Telescopic Gate Conveyor

TG-350A-CT | TG -460A-CT

18 / 25



## APPLICATION

The Telescopic Gate Conveyor is used for creating a passage in the PCB assembly line to give the operator access to the rear of the production equipment. The integrated conveyor segment slides across the opening upon request from the downstream machine when a board enters the unit. The conveyor returns to its retracted home position as the board is released, leaving a normally open passage in the line.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Fully opening gate passage allows operator in/out freely.
- Through beam sensors for additional safety
- Motorized width adjustment.
- SMEMA compliant.
- CE certified.

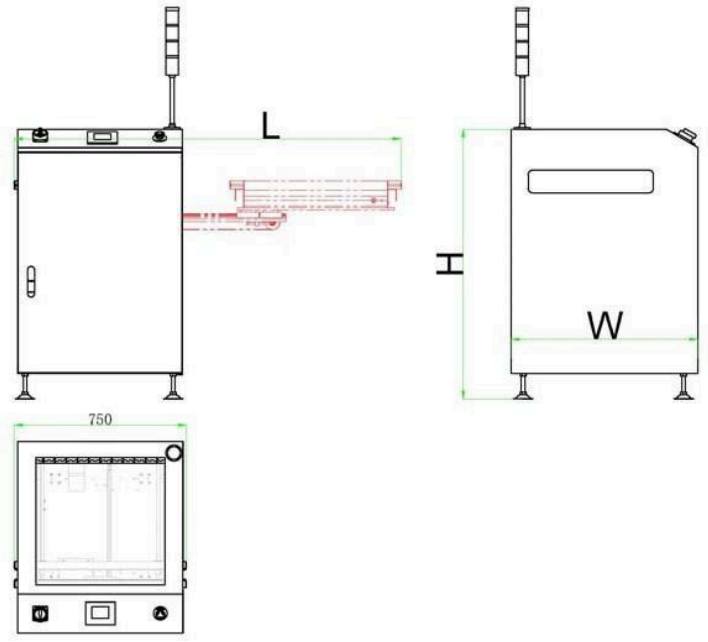
# Telescopic Gate Conveyor

SPECIFICATIONS

| MODEL | TG-350A-CT | TG -460A-CT |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Fixed Rail** | Front | |
| **Walkway** | Max. 900 mm adjustable | |
| **PCB Size** | 460 × (50 – 350) mm | 535 × (50 – 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **Transfer Direction** | left to right or right to left (option) | |
| **Machine Dimension** | (750-1700) × 720 × 1180 mm | (750-1700) × 820 × 1180 mm |
| **Machine Weight** | 255 kg | 285 kg |

* Other options available on request.

## DIMENSIONS



GATE CONVEYOR

# Lowering Gate Conveyor

GC-350L-CB | GC-460L-CB

19 / 25




## APPLICATION

The Lowering Gate Conveyor is used when a passage way is required in a production line.

## FEATURES

- Controlled by Omron PLC.
- Ergonomic air pressure supported opening and closing.
- Automatically gate lifting down by pushing button.
- Pneumatic locking device installed to enhance safety.
- Width adjustment by hand crank.
- SMEMA compliant.
- CE certified.

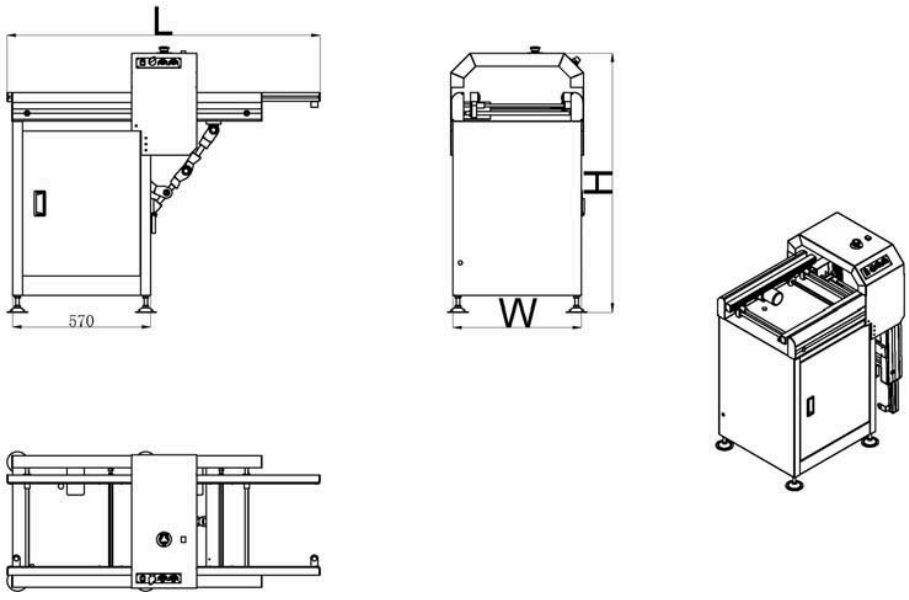
# Lowering Gate Conveyor

## SPECIFICATIONS

| MODEL | GC-350L-CB | GC-460L-CB |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **Walkway** | 500 mm | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **PCB Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 1300 × 530 × 1200 mm | 1300 × 630 × 1200 mm |
| **Machine Weight** | 130 kg | 150 kg |

* Other options available on request.

## DIMENSIONS



GATE CONVEYOR

# Manual Lift Gate Conveyor

GC-350A-CB | GC-460A-CB

20 / 25



## APPLICATION

The Manual Lift Gate Conveyor is used when a passage way is required in a production line, by manual lifting the conveyor section, access is gained to the rear of the line.

## FEATURES

- Controlled by Omron PLC.
- Cylinder assisted lifting motion.
- Pneumatic locking device installed to enhance safety.
- Width adjustment by hand crank.
- Tower light display for machine status.
- SMEMA compliant.
- CE certified.

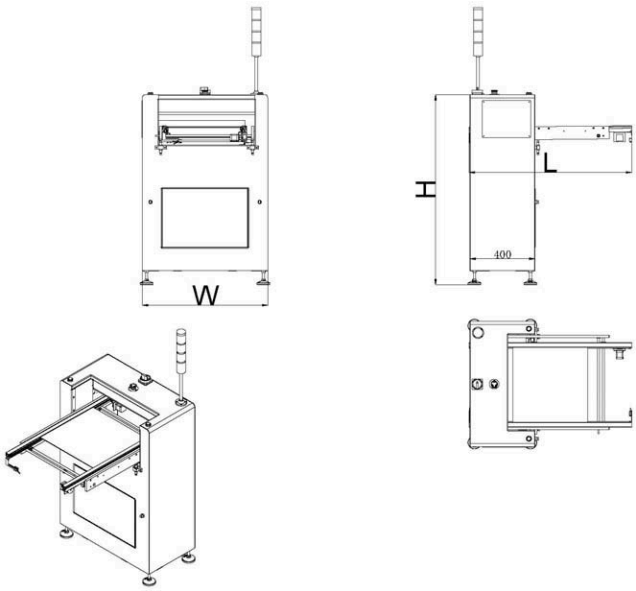
# Manual Lift Gate Conveyor

SPECIFICATIONS

| MODEL | GC-350A-CB | GC-460A-CB |
|---|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz | |
| **Air Supply** | 4 - 6 kgf/cm² | |
| **Fixed Rail** | Front | |
| **Walkway** | 600 mm | |
| **PCB Size** | 460 × (50 - 350) mm | 535 × (50 - 460) mm |
| **Transfer Height** | 900 ±20 mm | |
| **PCB Direction** | left to right or right to left (option) | |
| **Machine Dimension** | 1000 × 670 × 1200 mm | 1000 × 770 × 1200 mm |
| **Machine Weight** | 110 kg | 130 kg |

* Other options available on request.

## DIMENSIONS



WAVE SOLDER CONVEYOR

# Wave Solder Infeed Conveyor

C-120LC-L

21 / 25



## APPLICATION

The Wave Solder Infeed Conveyor is used to transfer PCBs/Pallets into the wave soldering machine.

## FEATURES

- Robust and stable design.
- Variable conveying speed control.
- Smooth and parallel width adjustment.
- Adjustable inclination angle.
- CE certified.

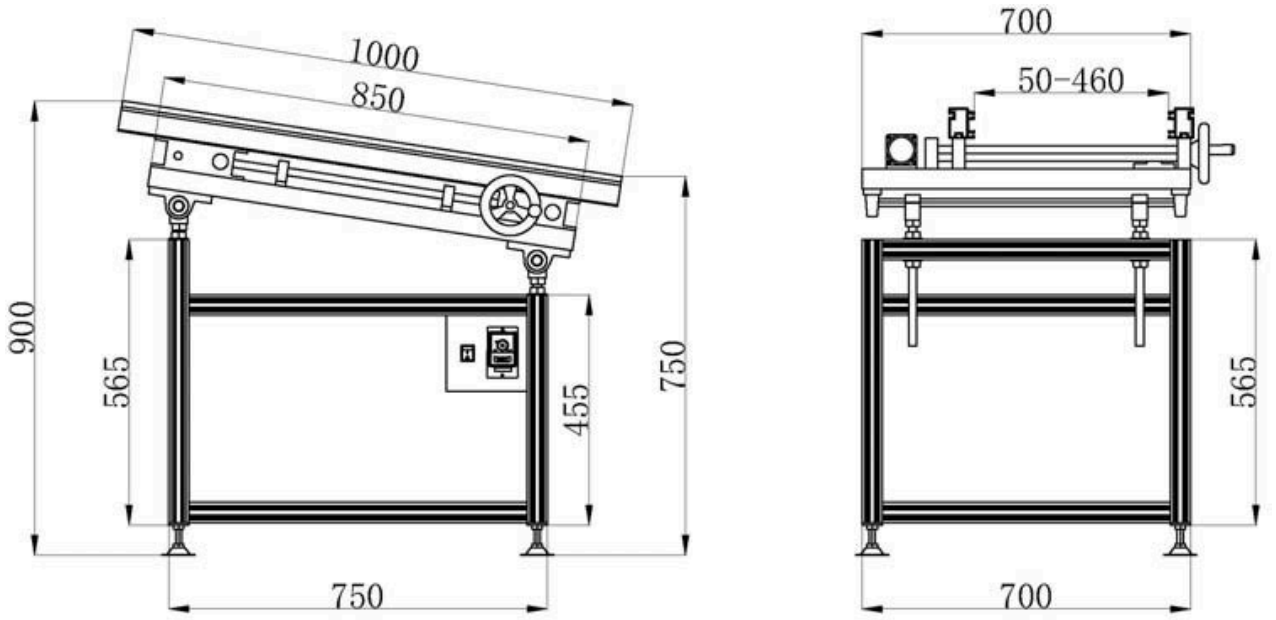
# Wave Solder Infeed Conveyor

SPECIFICATIONS

| MODEL | C-120LC-L |
|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz |
| **Fixed Rail** | Front |
| **PCB Width** | 50 - 460 mm |
| **PCB Direction** | left to right or right to left (option) |
| **Machine Dimension** | 1000 × 700 × 900 mm |
| **Machine Weight** | 50 kg |

* Other options available on request.

## DIMENSIONS



WAVE SOLDER CONVEYOR

# Wave Solder Outfeed Conveyor

C-120LW-L

22 / 25



## APPLICATION

The Wave Solder Outfeed Conveyor is used to unload PCBs from the inclined conveyors of wave solder and to then lower the soldered boards to a standard conveyor height.

## FEATURES

- Angle adjustment at input and output ends.
- Heat-resistant, ESD belt with non-slip surface.
- Heavy-duty aluminum construction.
- Optional fan attachment for extra cooling capacity.
- CE certified.

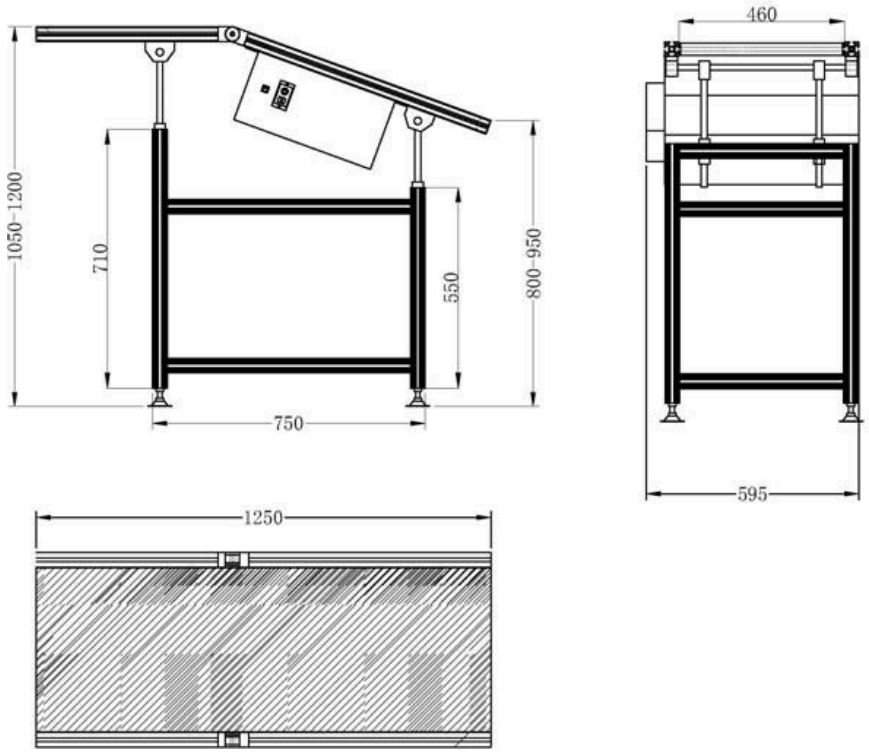
# Wave Solder Outfeed Conveyor

SPECIFICATIONS

| MODEL | C-120LW-L |
|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz |
| **Fixed Rail** | Front |
| **PCB Width** | 50 - 460 mm |
| **PCB Direction** | left to right or right to left (option) |
| **Machine Dimension** | 1200 × 500 × (750 – 1200) mm |
| **Machine Weight** | 60 kg |

* Other options available on request.

## DIMENSIONS



WAVE SOLDER CONVEYOR

# Flat Belt Conveyor

23 / 25



## APPLICATION

The Flat Belt Conveyor is used for smooth transfer of PCBs when edged conveyors can not be used. It can be made to meet customer's requirements, it is available in any length and width.

## FEATURES

- ✓ Sensors controlled (optional).
- ✓ Heat-resistant, ESD belt with non-slip surface.
- ✓ Customized length and width.

## SPECIFICATIONS

| | |
|---|---|
| **Power Supply** | AC 110/220V ±10V, 50/60 Hz |
| **PCB Width** | customized |
| **PCB Direction** | left to right or right to left (option) |
| **Transfer Height** | 900 ±20 mm |
| **Machine Dimension** | customized |

* Other options available on request.

ADJUSTABLE LOADER & UNLOADER

# Adjustable Multi Magazine Loader

ML-460AC4-CT

24 / 25



## APPLICATION

The Adjustable Multi Magazine Loader is used at the starting of the line for loading of PCBs to the production line. The unit loads the production line automatically by pushing PCBs out of a magazine onto the conveyor of the downstream machine.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Multiple pitches selectable.
- Automatic magazine change-over.
- Tower light display for machine status.
- 3 magazines loading capability.
- SMEMA interface.
- CE certified.

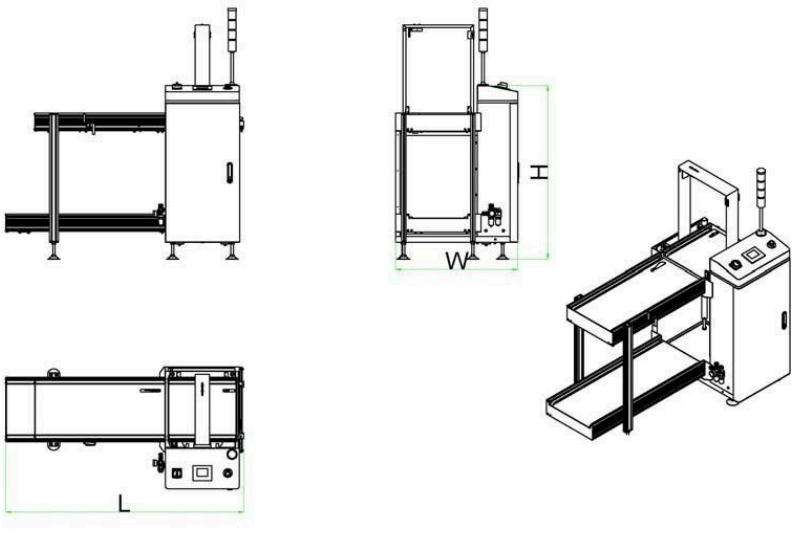
# Adjustable Multi Magazine Loader

SPECIFICATIONS

| MODEL | ML-460AC4-CT |
|---|---|
| **Power** | AC 110/220V ±10V, 50/60 Hz |
| **Air Pressure** | 4 - 6 kgf/cm² |
| **Fixed Rail** | Front |
| **PCB Size** | Min.: 50 × 50 mm, Max.: 535 × 460 mm |
| **Transfer Height** | 900 ±20 mm or Specify |
| **PCB Direction** | left to right or right to left (option) |
| **Magazine Rack Size** | 355 × 320 × 563 mm, 460 × 400 × 563 mm, 535 × 460 × 570 mm, 535 × 530 × 570 mm |
| **Pitches** | 1 - 50, 10 mm pitch |
| **Machine Dimension** | 1750 × 1100 × 1200 mm |
| **Machine Weight** | 290 kg |

* Other options available on request.

## DIMENSIONS



ADJUSTABLE LOADER & UNLOADER

# Adjustable Multi Magazine Unloader

MU-460AC4-CT

25 / 25



## APPLICATION

The Adjustable Multi Magazine Unloader is used at the end of the line for unloading of PCBs from the production line. An arriving PCB is taken up by the attached conveyor and then pushed into the magazine by the pusher. The magazine indexes to the next position and is ready for the following unloading cycle.

## FEATURES

- Controlled by Omron PLC.
- Easy operation by touch screen.
- Multiple pitches selectable.
- Automatic magazine change-over.
- Tower light display for machine status.
- 3 magazines loading capability.
- SMEMA interface.
- CE certified.

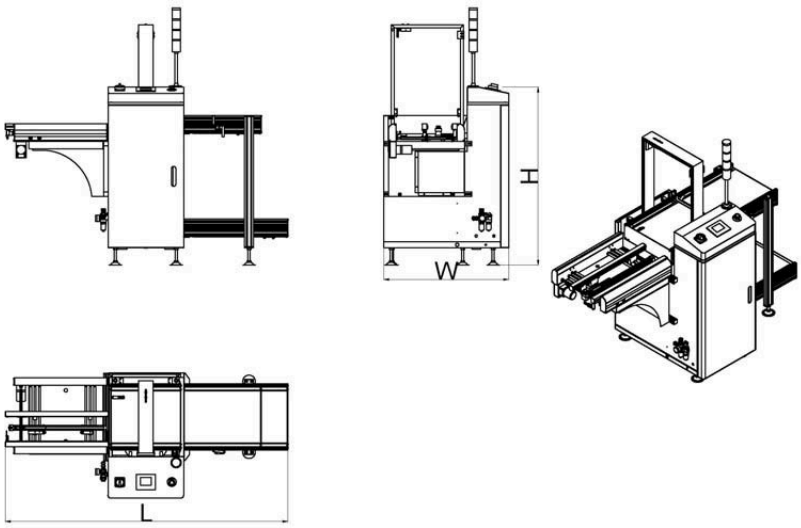
# Adjustable Multi Magazine Unloader

SPECIFICATIONS

| MODEL | MU-460AC4-CT |
|---|---|
| **Power** | AC 110/220V ±10V, 50/60 Hz |
| **Air Pressure** | 4 - 6 kgf/cm² |
| **Fixed Rail** | Front |
| **PCB Size** | Min.: 50 × 50 mm, Max.: 535 × 460 mm |
| **Transfer Height** | 900 ±20 mm or Specify |
| **PCB Direction** | left to right or right to left (option) |
| **Magazine Rack Size** | 355 × 320 × 563 mm, 460 × 400 × 563 mm, 535 × 460 × 570 mm, 535 × 530 × 570 mm |
| **Pitches** | 1 - 50, 10 mm pitch |
| **Machine Dimension** | 2500 × 1100 × 1150 mm |
| **Machine Weight** | 330 kg |

* Other options available on request.

## DIMENSIONS



AS TECHNOLOGIES

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| | |
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Edition 11/2026. Technical data subject to change. Other options available on request.