

CE

FA TOTAL SYSTEM  
SMT BOARD HANDLER

**ILJIN**



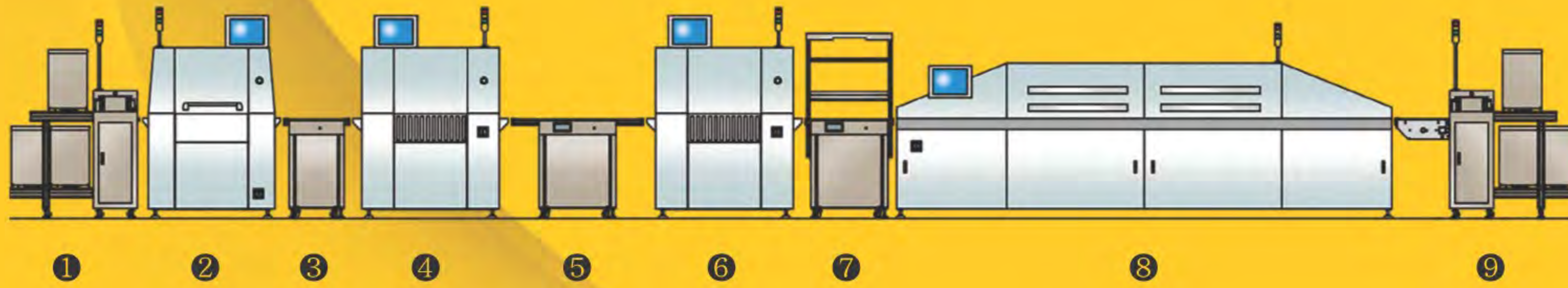
 **ILJIN**





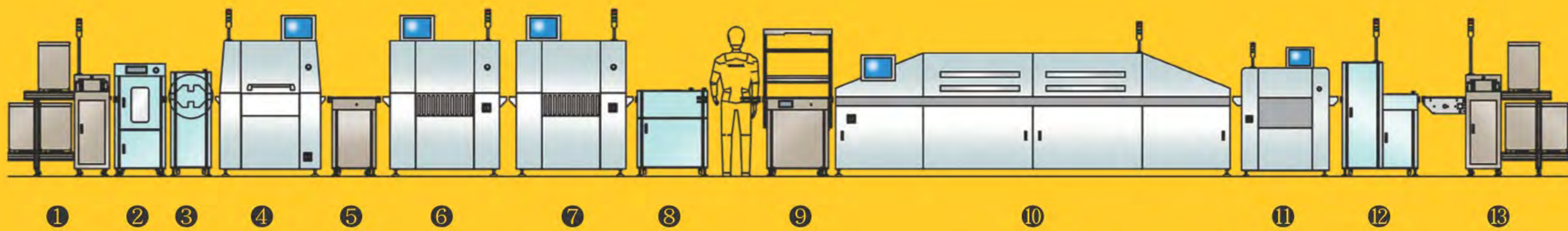
# SMT IN LINE SYSTEM LAY-OUT

## SMT IN LINE – 1



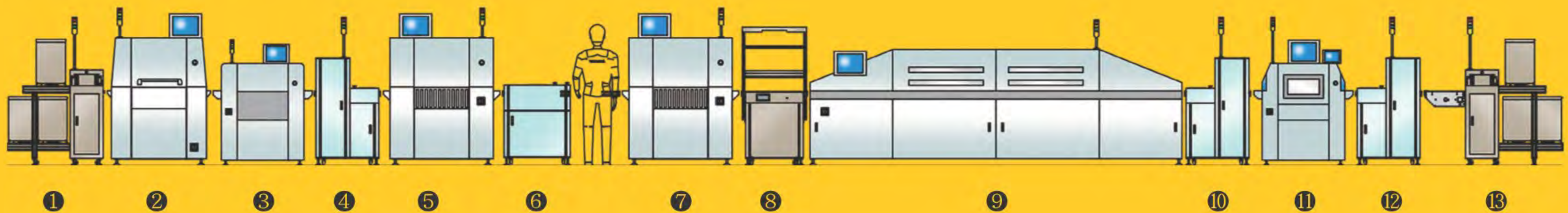
- ① MAGAZINE LOADER (ALD-12S)
- ② SCREEN PRINTER
- ③ LINK CONVEYOR (ACC-60S)
- ④ MOUNTER
- ⑤ LINK CONVEYOR (ACC-60S)
- ⑥ MOUNTER
- ⑦ WORK TABLE (AWT-80S)
- ⑧ REFLOW OVEN
- ⑨ MAGAZINE UNLOADER (AUD-12S)

## SMT IN LINE – 2



- ① MAGAZINE LOADER (ALD-12S)
- ② VACUUM LOADER (AVL-60S)
- ③ 180° TURN (AVT-50S)
- ④ SCREEN PRINTER
- ⑤ LINK CONVEYOR (ACC-60S)
- ⑥ MOUNTER
- ⑦ MOUNTER
- ⑧ GATEWAY CONVEYOR (AG1-80S)
- ⑨ WORK TABLE (AWT-80S)
- ⑩ REFLOW OVEN
- ⑪ AOI
- ⑫ NG BUFFER (ANB-15S)
- ⑬ MAGAZINE UNLOADER (AUD-12S)

## SMT IN LINE – 3



- ① MAGAZINE LOADER (ALD-12S)
- ② SCREEN PRINTER
- ③ SPI
- ④ NG BUFFER (AMR-35S)
- ⑤ MOUNTER
- ⑥ GATE CONVEYOR (AG1-80S)
- ⑦ MOUNTER
- ⑧ WORK TABLE (AWT-80S)
- ⑨ REFLOW OVEN
- ⑩ RACK BUFFER (ARB-25S)
- ⑪ AOI
- ⑫ NG BUFFER (ANB-15S)
- ⑬ MAGAZINE UNLOADER (AUD-12S)

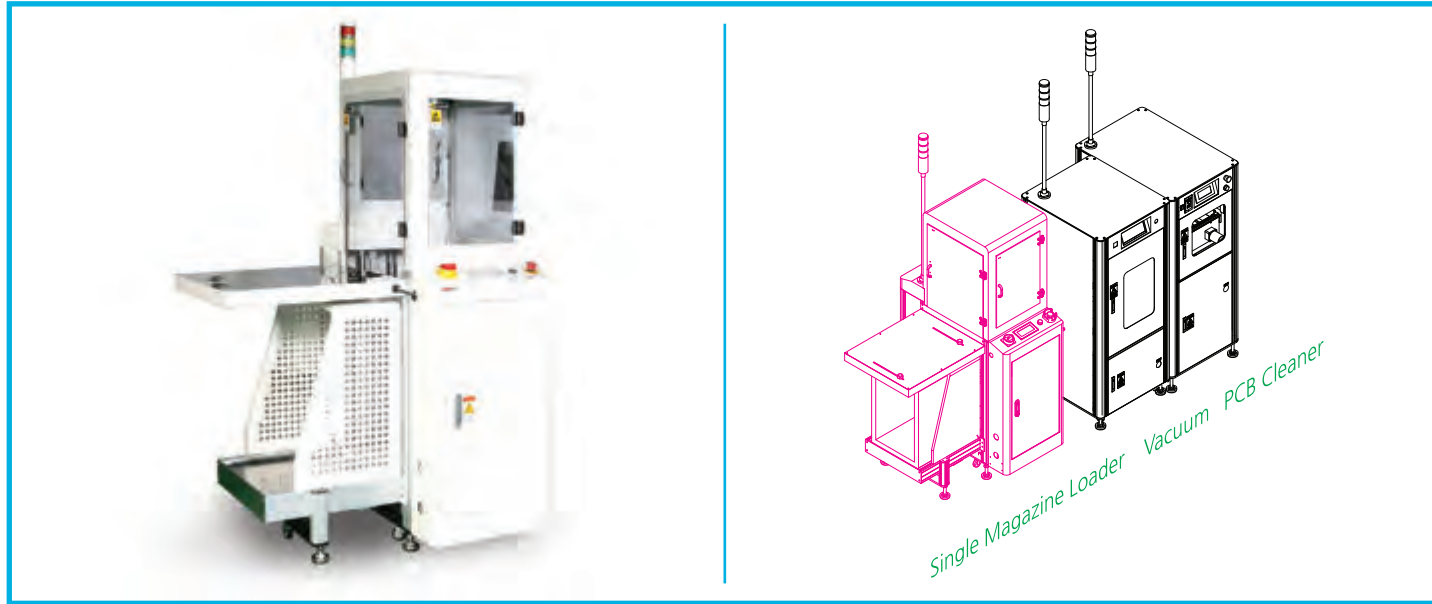
## Magazine & PCB Specifications

\* Customer magazine available.

MAGAZINE TYPE	L	W	R	Max. PCB Size		Min. PCB Size	
				L	W	L	W
S(097)	355	320	570	330	250	50	50
Y(096)	460	400	575	440	330	50	65
L(093)	535	460	570	530	375	50	60
XL(100)	535	530	575	530	460	50	100
2XL(101)	620	530	575	610	460	50	100
SW(099)	620	320	575	600	236	50	60



# SINGLE MAGAZINE LOADER CE TYPE

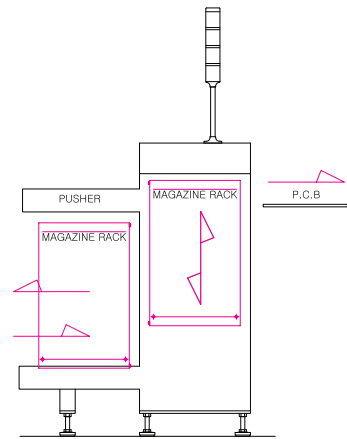


## FEATURES

- SMEMA interface
- Top & Bottom pneumatic clamps to secure magazine rack
- 3 colored LED tower lamp
- Buzzer
- Pneumatic Pusher
- Set up for Pitch(1~4)
- Touch screen
- Magazine capacity (Lower : 1)
- Safety full Cover (Lift and Magazine conveyor)

## OPTION

- 2 different magazine size
- High speed magazine exchange (19 sec.)
- Aux. Buffer conveyor
- PCB damage prevention sensor (Jam detection)
- Automatic width adjustment at exit guide
- Dual lane
- RS-485 Communication

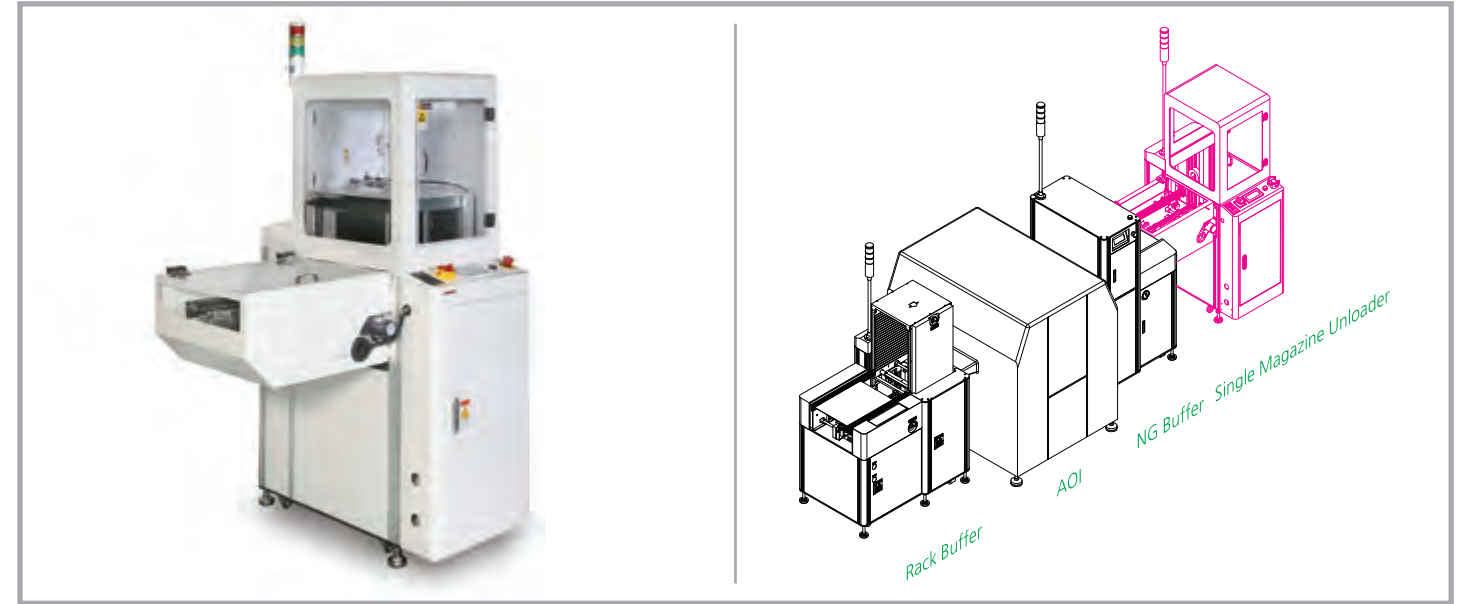


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	RACK	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ALD-10CE	S	1	330×250	100×80	1645×810×1710	0.3kVA	0.5±0.1	150
	Y		440×330		1750×922×1710			170
	L		530×375		1825×982×1710			190
	XL		530×460		1825×1095×1710	200		
	2XL		610×460		1910×1095×1710	220		

# SINGLE MAGAZINE UNLOADER CE TYPE

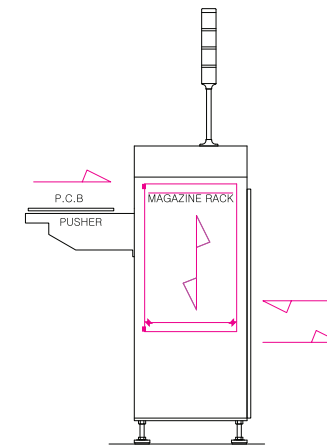


## FEATURES

- SMEMA Interface
- Top & Bottom pneumatic clamps to secure magazine rack
- 3 colored LED tower lamp
- Buzzer
- Pneumatic Pusher
- Set up for Pitch(1~4)
- Touch screen
- Magazine capacity (Lift : 1)
- Safety full cover (Lift and magazine conveyor and conveyor)
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- 2 different magazine size
- High speed magazine exchange (19 sec.)
- PCB damage prevention sensor (Jam detection)
- Conveyor automatic width adjustment
- Conveyor speed controller
- Cooling fan at Conveyor
- Dual Lane
- RS-485 Communication

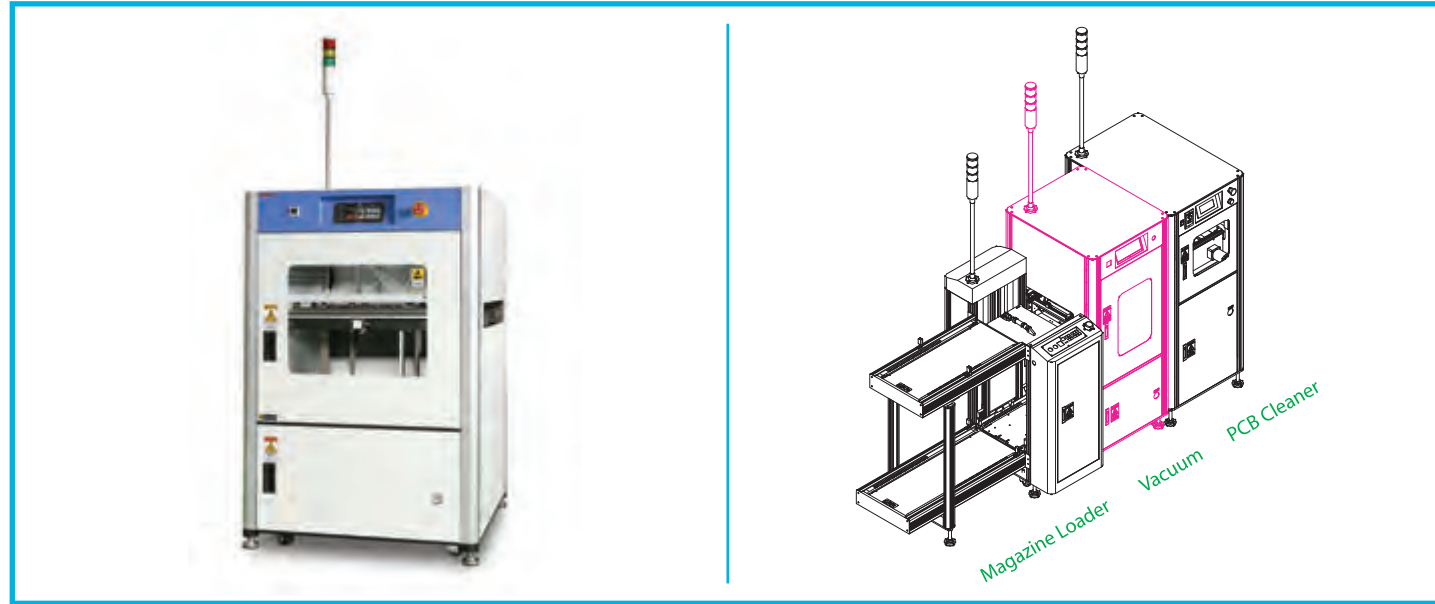


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	RACK	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AUD-10CE	S	1	330×250	100×80	925×810×1710	0.3kVA	0.5±0.1	150
	Y		440×330		1120×925×1710			170
	L		530×375		1325×985×1710			190
	XL		530×460		1325×1095×1710	200		
	2XL		610×460		1410×1095×1710	220		

# VACUUM PICK-UP LOADER

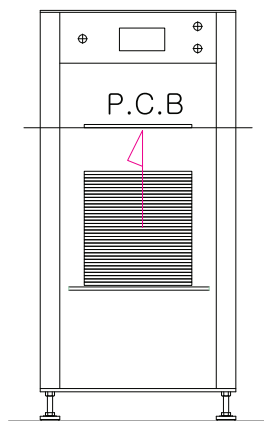


## FEATURES

- SMD Interface
- For Bare Board
- PCBs placed at front
- 3 colored LED tower lamp
- Buzzer
- Safety full cover
- PCB table up-down system for simple operation
- Selectable vacuum pad according to PCB size
- Adjustable suction positions with magnetic system
- Touch screen
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE (Upper : 25mm, Lower : 25mm) at Conveyor with pass mode.

## OPTION

- Built-in PCB Cleaner and Ionizer unit
- Conveyor automatic width adjustment
- Conveyor speed controller
- CE
- RS-485 Communication

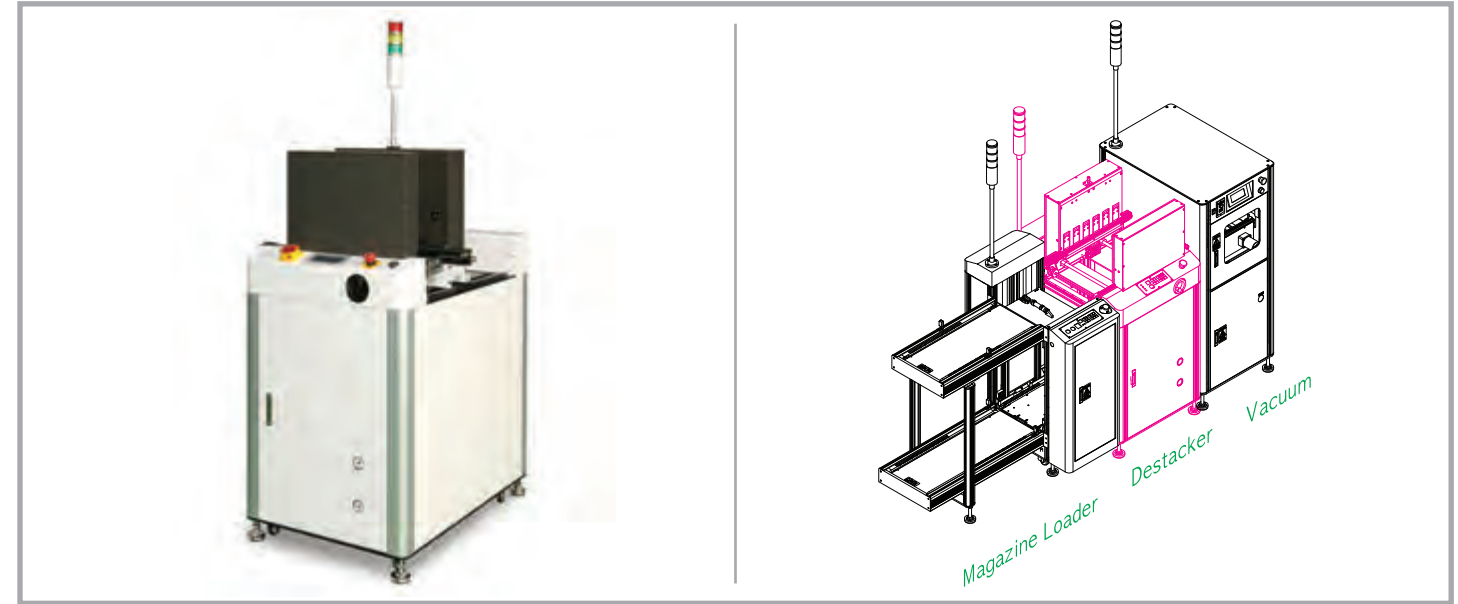


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AVL-60S	S	330×250	70×60	600×660×1355	0.3kVA	0.5±0.1	200
AVL-60Y	Y	440×330		710×740×1355			220
AVL-60L	L	530×375		800×795×1355			240
AVL-60X	XL	530×460		820×865×1355			260
AVL-602X	2XL	610×460		955×865×1355			260

# DESTACKER

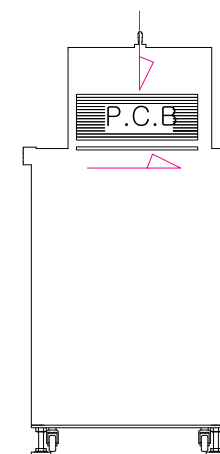


## FEATURES

- SMD Interface
- For Bare board and small PCB.
- Pneumatic release the stacked boards one by one.
- Adjustable board thickness setting
- Pass mode.
- Touch screen
- Stacking height 180 mm (accommodating 90 PCBs with 2mm thickness)
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE (Upper : 25mm, Lower : 25mm) at Conveyor with pass mode.

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- 3 colored LED tower light
- CE
- RS-485 Communication

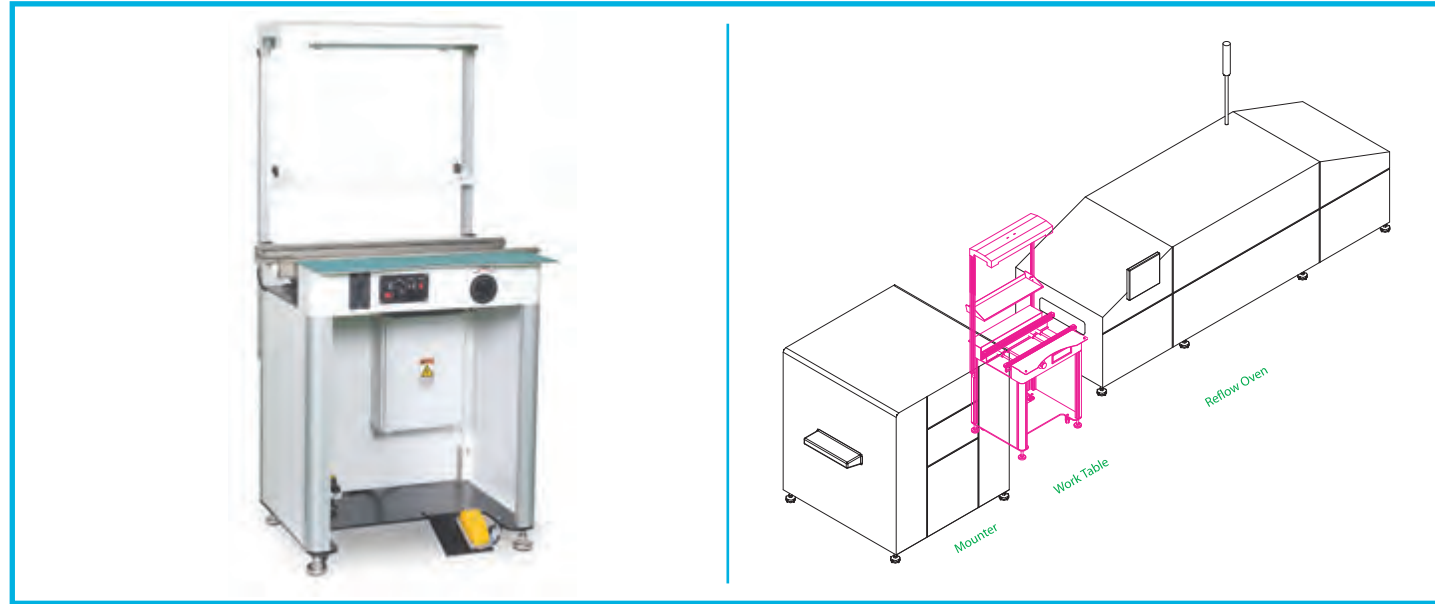


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ADS-50S	S	330×250	70×60	550×710×1215	0.3kVA	0.5±0.1	190
ADS-50Y	Y	440×330		550×790×1215			210
ADS-50L	L	530×375		650×835×1215			220
ADS-50X	XL	530×460		650×920×1215			230
ADS-502X	2XL	610×460		750×920×1215			260

# WORK TABLE

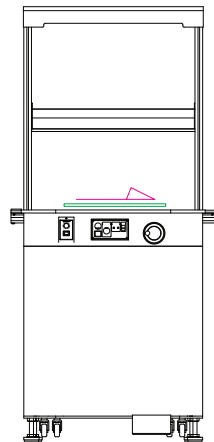


## FEATURES

- SMEMA Interface
- Work space at the front for operator
- LED lighting
- Work and Pass mode
- Durable structure with double base plate
- Conveyor speed controller
- Button operation
- Buzzer
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- ESD cover at Conveyor
- Cooling fan at Conveyor
- Touch screen
- Front door
- Pneumatic stopper
- Selectable rail length
- Multi-zone segment
- Selectable belt type (ESD, heat resistance, chain, etc.)
- 3 colored LED tower light
- Dual lane
- CE

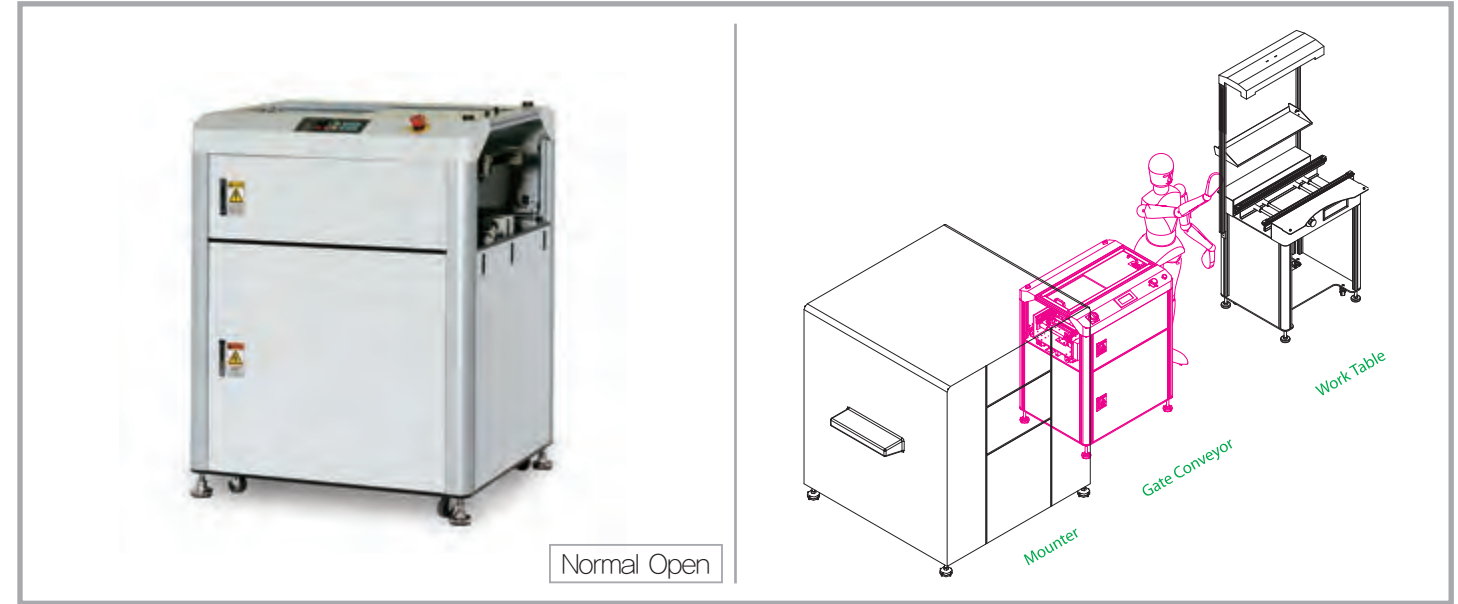


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	WEIGHT(Kg)
AWT-80S	S	330×250	50×50	800×675×1700	0.2kVA	90
AWT-80Y	Y	440×330		800×755×1700		100
AWT-80L	L	530×375		800×800×1700		130
AWT-80X	XL	530×460		800×885×1700		140
AWT-802X	2XL	610×460		1000×884×1700		160

# GATE CONVEYOR

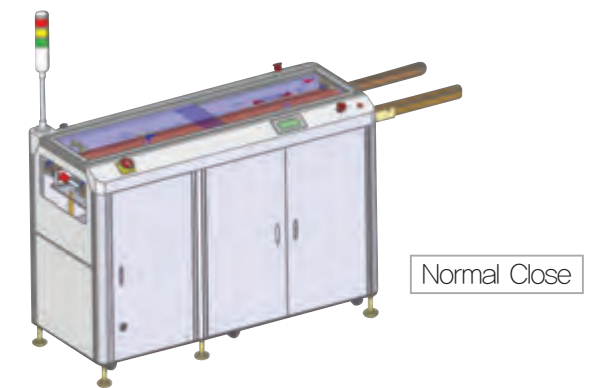
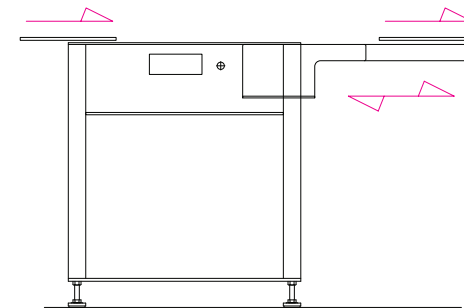


## FEATURES

- SMEMA Interface
- Durable structure with double base plate
- Buzzer
- Body : 810mm, Gateway : 600mm
- Sliding with stepping motor
- Touch screen
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Normally closed type
- Conveyor automatic width adjustment
- Conveyor speed controller
- ESD cover at Gateway
- Safety Light Curtain (3 sets)
- Selectable rail length at Body and Gateway
- 3 colored LED tower light
- Dual lane
- CE
- RS-485 Communication



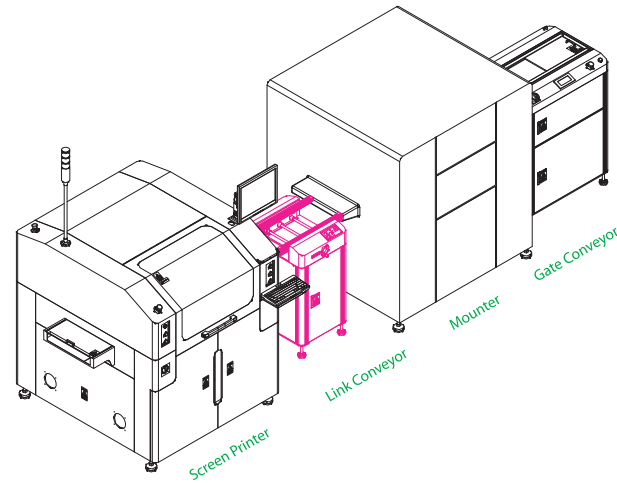
## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	WEIGHT(Kg)
AG1-80S	S	330×250	50×50	1410(810+600)×620×1000	0.3kVA	150
AG1-80Y	Y	440×330		1410(810+600)×700×1000		160
AG1-80L	L	530×375		1410(810+600)×745×1000		170
AG1-80X	XL	530×460		1410(810+600)×830×1000		200
AG1-802X	2XL	610×460				



# LINK CONVEYOR

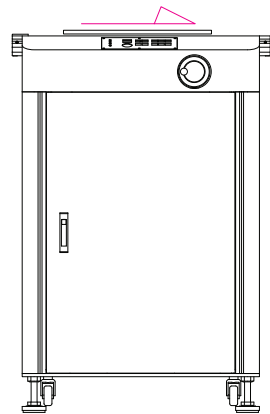


## FEATURES

- S/ME/MA Interface
- Work and pass mode
- Durable structure with double base plate
- Button operation
- Buzzer
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- ESD cover at Conveyor
- Cooling fan at Conveyor
- Touch screen
- Conveyor speed controller
- Front door
- Pneumatic stopper
- Selectable rail length
- Multi-zone Segment
- Selectable belt type (ESD, heat resistance, chain, etc.)
- 3 colored LED tower light
- Dual lane
- CE



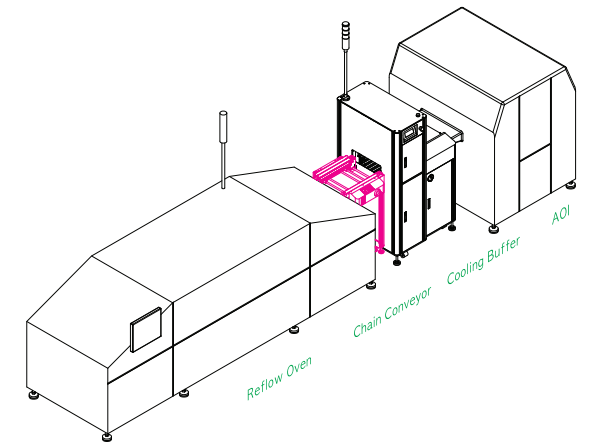
## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	WEIGHT(Kg)
ACC-60S	S	330×250	50×50	600×600×910	0.1kVA	80
ACC-60Y	Y	440×330		600×680×910		90
ACC-60L	L	530×375		600×725×910		100
ACC-60X	XL	530×460		600×810×910		110
ACC-602X	2XL	610×460		800×810×910		130

★ 60S:600mm ★ 80S:800mm

# CHAIN CONVEYOR

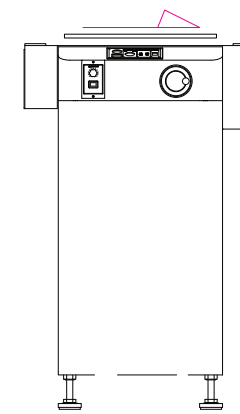


## FEATURES

- S/ME/MA interface
- Work and Pass mode
- Durable structure with double base plate
- Button operation
- 06B or PIN chain,
- Buzzer
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- ESD cover at Conveyor
- Cooling fan at Conveyor
- Touch screen
- Conveyor speed controller
- Front door
- Pneumatic stopper
- Selectable rail length
- Multi-zone segment
- Selectable belt type (ESD, heat resistance, chain, etc.)
- 3 colored LED tower light
- Dual lane
- CE

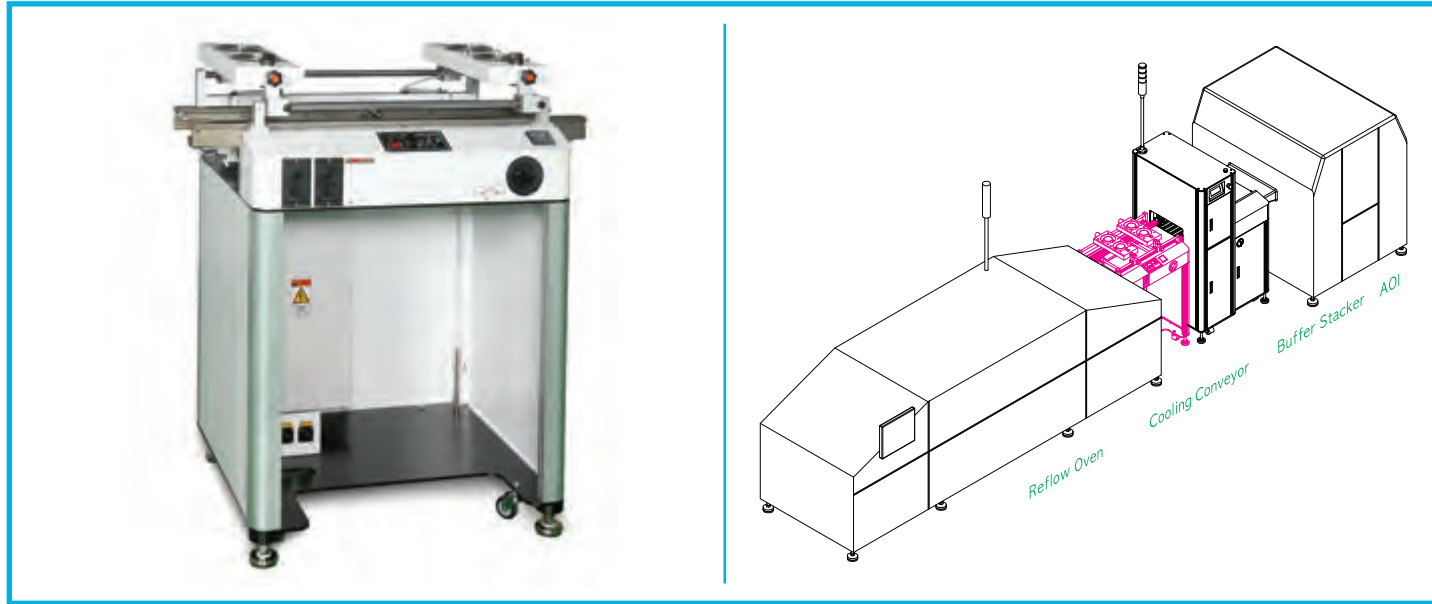


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	WEIGHT(Kg)
ACH-80S	S	330×250	50×50	800×555×915	0.1kVA	90
ACH-80Y	Y	440×330		800×635×915		100
ACH-80L	L	530×375		800×680×915		110
ACH-80X	XL	530×460		800×765×915		120
ACH-802X	2XL	610×460		1000×765×915		140

# COOLING CONVEYOR

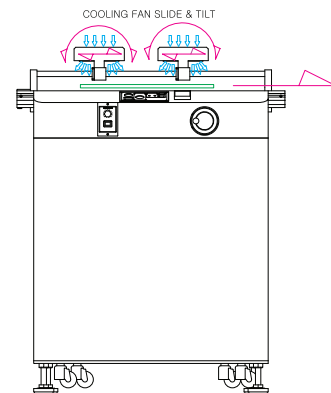


## FEATURES

- SMI/EMIA Interface
- Work and Pass mode
- Durable construction with double base plate
- Button operation
- Cooling fan at Conveyor
- Heat-resistant belt
- Buzzer
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- Cover Type cooling fan
- Cooling timer
- Touch screen
- Front door
- Pneumatic stopper
- Selectable rail length
- Multi-Zone segment
- Selectable belt type (ESD, heat resistance, chain, etc.)
- 3 colored LED tower light
- Dual Lane
- CE

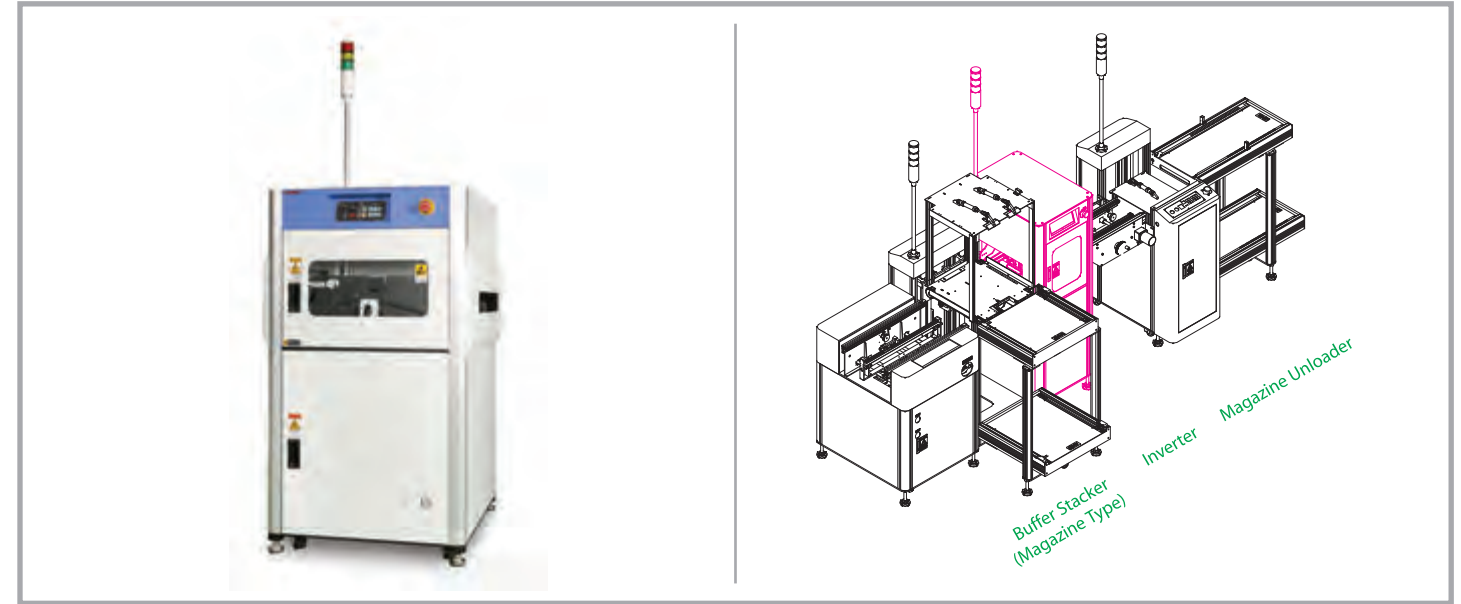


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	WEIGHT(Kg)
ACOL-60S	S	330×250	50×50	600×600×1305	0.1kVA	90
ACOL-60Y	Y	440×330		600×680×1305		100
ACOL-60L	L	530×375		600×725×1305		110
ACOL-60X	XL	530×460		600×810×1305		120
ACOL-602X	2XL	610×460		800×810×1305		140

# INVERTER VERTICAL TURNING TYPE

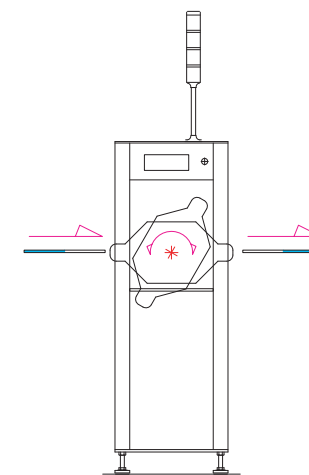


## FEATURES

- SMI/EMIA Interface
- Durable structure with double base plate
- Shock absorber for PCB holding
- Safe Inverting system with double cylinder
- Safety full cover
- Smooth and precise inverting motion
- 3 colored LED tower lamp
- Buzzer
- Touch screen
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE(Upper : 25mm, Lower : 25mm) at Conveyor with pass mode.

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- Dual lane
- CE
- RS-485Communication

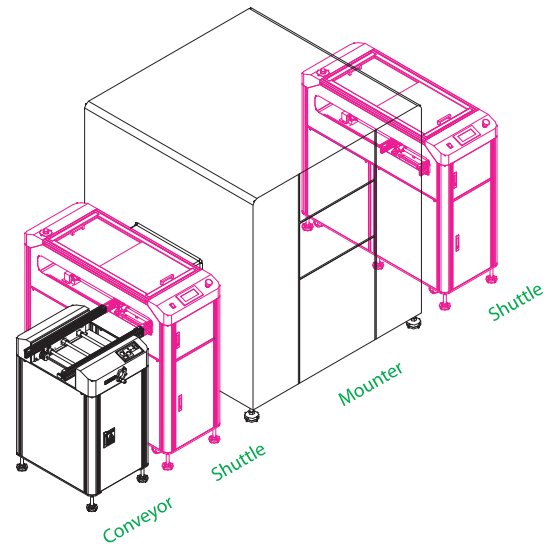


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AVT-50S	S	330×250	50×50	500×640×1355	0.3kVA	0.5±0.1	170
AVT-50Y	Y	440×330		610×720×1355			180
AVT-50L	L	530×375		700×760×1355			190
AVT-50X	XL	530×460		800×850×1355			200
AVT-502X	2XL	610×460					

# SHUTTLE CONVEYOR

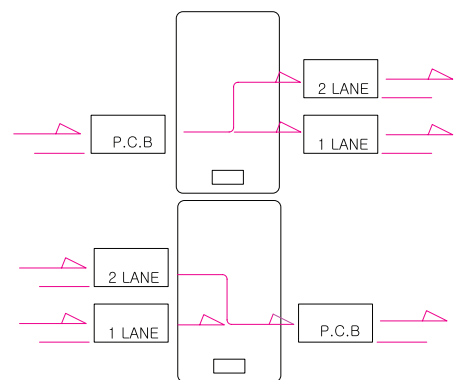


## FEATURES

- SMD Interface
- Touch screen
- 1-IN / 1-OUT, 1-IN / 2-OUT, 2-IN / 1OUT and 2-IN / 2OUT
- Durable structure with double base plate
- Buzzer
- Sliding system by servo motor
- Timing belt method.
- 1 & 4 distance based on 686 mm.
- Safety full cover
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- Pneumatic stopper
- 3 colored LED tower light
- Dual lane
- CE
- RS-485 Communication

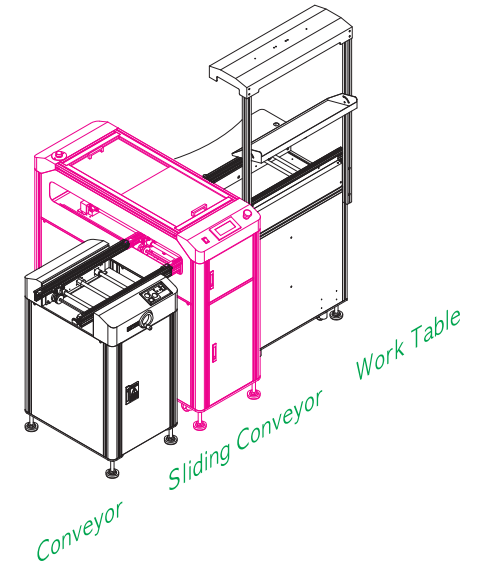


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	WEIGHT(Kg)
ASHC-50S	S	330×250	50×50	510×1240×1020	0.3kVA	180
ASHC-50Y	Y	440×330		510×1320×1020		190
ASHC-50L	L	530×375		610×1365×1020		200
ASHC-50X	XL	530×460		610×1450×1020		210
ASHC-502X	2XL	610×460		710×1450×1020		220

# SLIDING CONVEYOR (FIXED RAIL CHANGER)

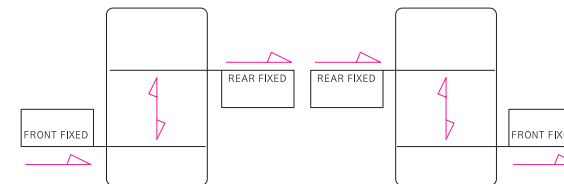


## FEATURES

- SMD Interface
- Touch screen
- Durable structure with double base plate
- Buzzer
- Timing belt method.
- The standard sliding stroke : 200 mm
- Safety full cover
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- Sliding speed control by using inverter
- Pneumatic stopper
- 3 colored LED tower light
- Dual lane
- CE
- RS-485 Communication



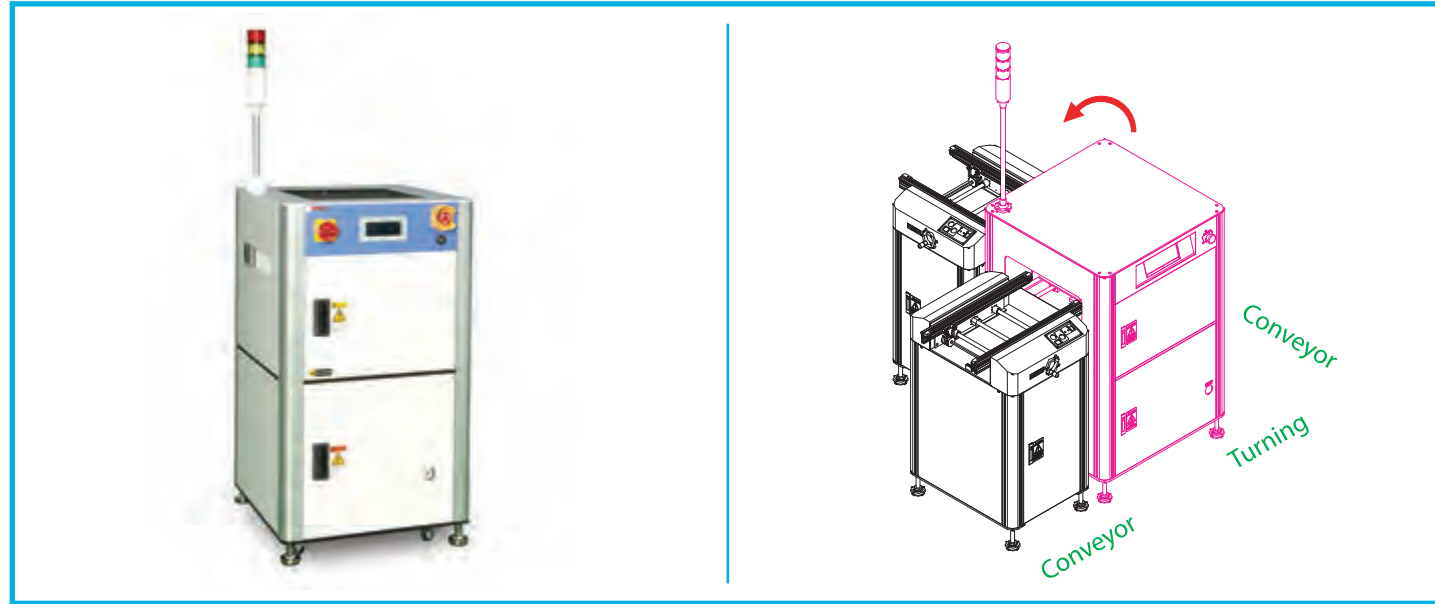
## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	WEIGHT(Kg)
ASC-50S	S	330×250	50×50	500×810×1050	0.3kVA	120
ASC-50Y	Y	440×330		500×890×1050		130
ASC-50L	L	530×375		600×935×1050		140
ASC-50X	XL	530×460		700×1010×1050		150
ASC-502X	2XL	610×460				



# HORIZONTAL TURNING CONVEYOR

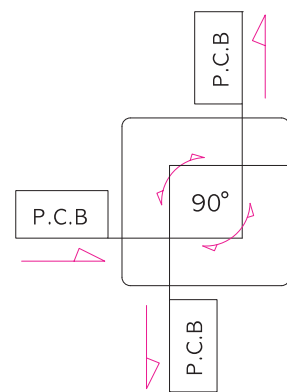


## FEATURES

- SMDA Interface
- Durable structure with double base plate
- Touch screen
- Buzzer
- 3 colored LED tower light
- Shock absorber for PCB holding
- Turning system by Pneumatic cylinder
- Safety full cover
- 1-IN / 1-OUT, 1-IN / 2-OUT, 2-IN / 1OUT and 2-IN / 2OUT.
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- Conveyor speed control
- Aux. Buffer conveyor
- CE
- RS-485 Communication



## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AHT-50S	S	330×250	50×50	610×600×1105	0.3kVA	0.5±0.1	170
AHT-50Y	Y	440×330		710×700×1105			180
AHT-50L	L	530×375		810×800×1105			190
AHT-50X	XL	530×460		910×900×1105			200
AHT-502X	2XL	610×460					

# HORIZONTAL MULTI ANGLE TURNING CONVEYOR

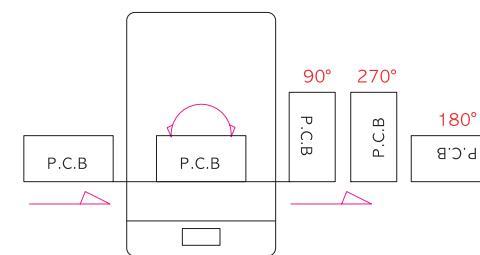


## FEATURES

- SMDA interface
- Adjustable PCB turning angle
- Touch screen
- Durable structure with double base plate
- Buzzer
- Vacuum system for PCB holding
- Safety full cover
- Conveyor automatic width adjustment
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Aux. Buffer conveyor
- Conveyor speed controller
- 3 colored LED tower light
- CE
- RS-485 Communication



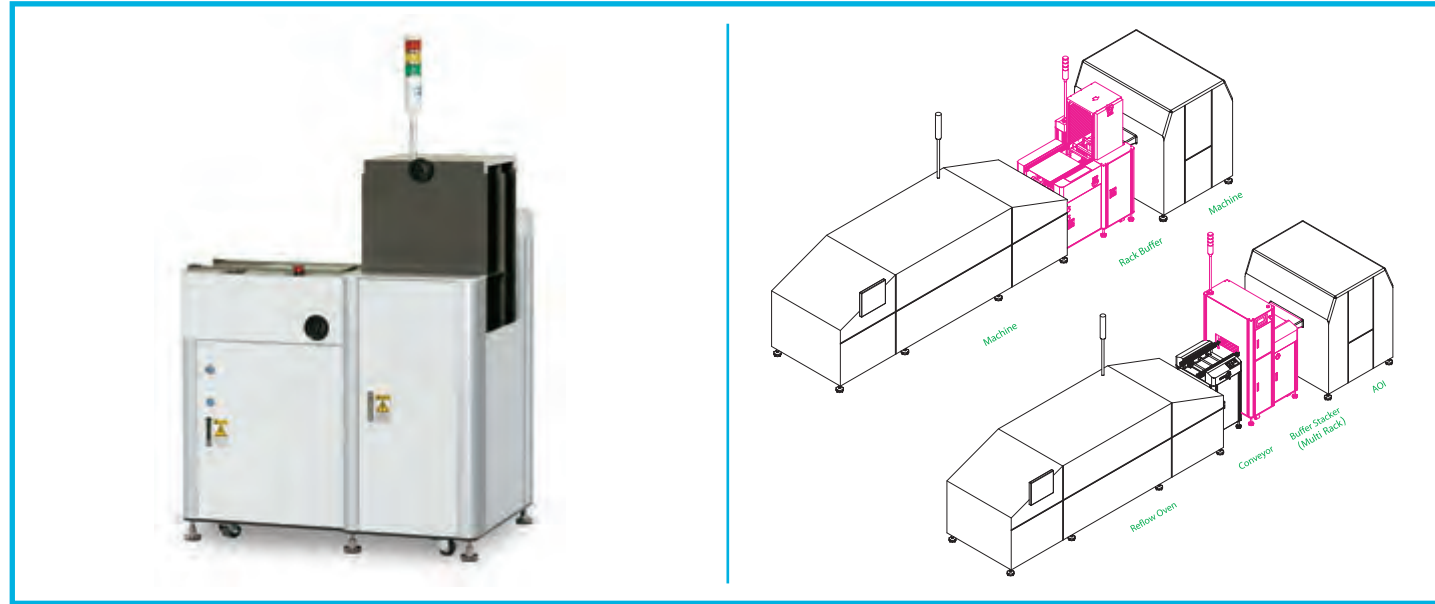
## Specifications

Customized Manufacturing Available.

MODEL	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AHT-50YM	500×500	TURN : 100×100	670×1100×1070	0.4kVA	0.5±0.1	170
AHT-502XM	610×610	TURN : 140×140	830×1210×1070			190



# BUFFER STACKER (RACK TYPE)

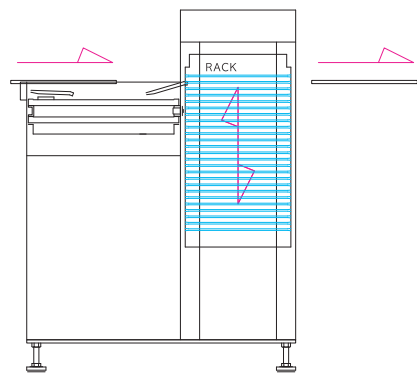


## FEATURES

- SMEMA Interface
- 25 Slots (pitch 20 mm)
- FIFO / LIFO / NG function
- PCB damage prevention sensor (Jam detection)
- Touch screen
- Pneumatic pusher cylinder
- Conveyor + Rack Structure
- 3 colored LED tower lamp
- Buzzer
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Aux. Buffer conveyor
- Cooling fan at Conveyor
- ESD Cover at conveyor
- Conveyor automatic width adjustment
- Conveyor speed controller
- 50 slots
- High speed lift
- Pneumatic stopper
- CE
- RS-485 Communication

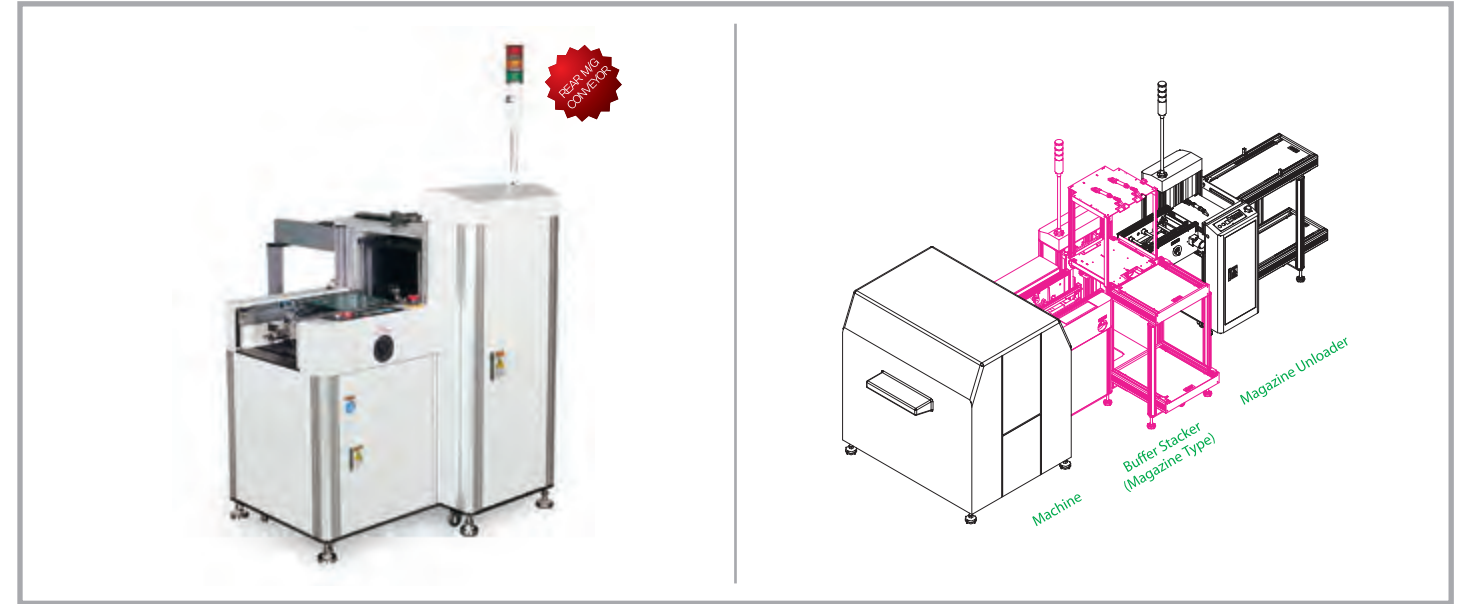


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	PCB CAPACITY	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ARB-25S	S	25 to 50 Standard : 25	330×250	100×80	855×640×1130	0.3kVA	0.5±0.1	210
ARB-25Y	Y		440×330		1080×720×1130			230
ARB-25L	L		530×375		1260×765×1130			250
ARB-25X	XL		530×460		1260×850×1130			260
ARB-252X	2XL		610×460		1420×850×1130			270

# BUFFER STACKER (MAGAZINE TYPE)

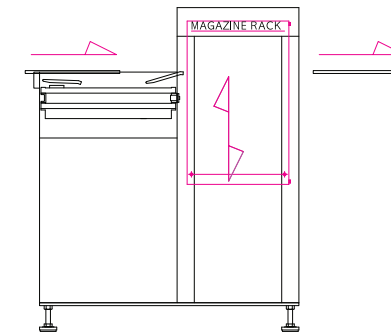


## FEATURES

- SMEMA Interface
- FIFO / LIFO / LOADER / UNLOADER / NG function
- PCB damage prevention sensor (Jam detection)
- Touch screen
- Pneumatic pusher cylinder
- Conveyor + Rack Structure
- 3 colored LED tower light
- Buzzer
- Selectable Magazine input direction (Front or Rear)
- 2 Rack magazine capacity (Upper : 1, Lower : 1)
- Set up for Pitch(1~4)
- Magazine-in from Upper, Magazine-out to Lower
- PCB out from Bottom to Top
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Aux. Buffer conveyor
- Cooling fan at Conveyor
- ESD cover at Conveyor
- Conveyor automatic width adjustment
- Conveyor speed controller
- Safety full covers (Lift, Conveyors and Magazine conveyors)
- 2 different magazine size
- High speed magazine exchange (19 sec.)
- NG function
- Pneumatic stopper
- CE
- RS-485 Communication



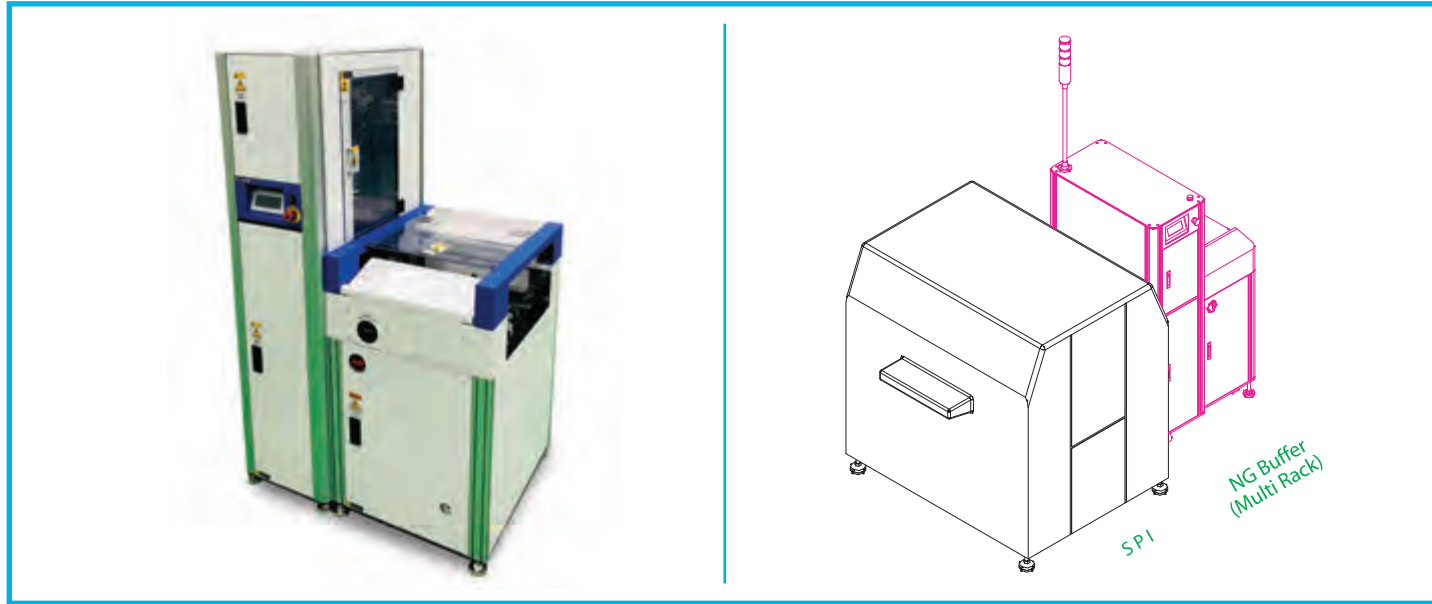
## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AMB-11S	S	330×250	100×80	965×1260×1145	0.3kVA	0.5±0.1	220
AMB-11Y	Y	440×330		1160×1420×1145			240
AMB-11L	L	530×375		1325×1540×1145			260
AMB-11X	XL	530×460		1325×1680×1145			270
AMB-112X	2XL	610×460		1490×1980×1145			280



# SPI BUFFER STACKER

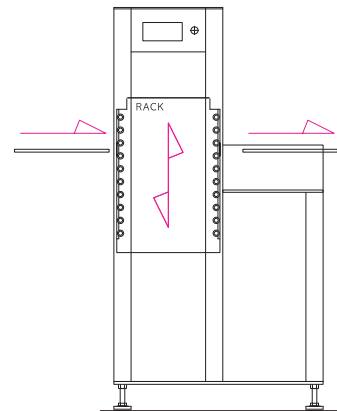


## FEATURES

- SMD Interface
- Conveyor and Rack separately driven system
- Rack Driven by Gear
- 10 Slots (45 mm pitch)
- RS-232C interface by using SPI review PC
- FIFO / LIFO / NG / PASS mode
- Adjustable stacking quantity of NG or GOOD PCB (NG + GOOD = 10)
- Buzzer
- 3 colored LED tower light
- Touch screen
- Conveyor + Rack Structure
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- 2nd floor conveyor
- 20 Slots (22mm pitch)
- Keyboard, mouse, and monitor stand
- Pneumatic stopper
- High-speed lift
- CE
- RS-485 Communication



## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AMR-35S	S	330×250	60×60	780×755×1440	0.3kVA	0.5±0.1	230
AMR-35Y	Y	440×330		1000×835×1440			240
AMR-35L	L	530×375		1180×875×1440			260
AMR-35X	XL	530×460		1180×965×1440	270		
AMR-352X	2XL	610×460		1340×965×1440	0.4kVA		280

# SPI BUFFER STACKER EXPLANATION



RS-232C COMMUNICATION



PCB DETECT SENSOR



ESD COVER

## BEFORE

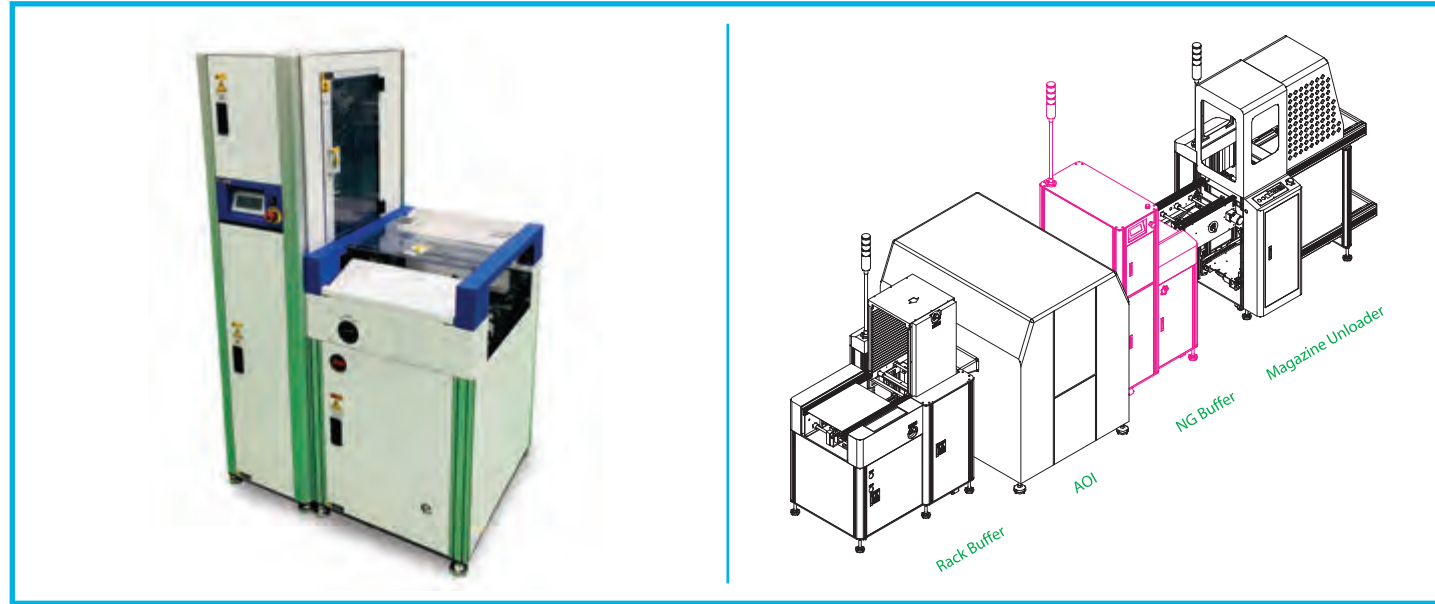
An operator should pick up the PCB whenever NG PCB appears  
 Mounter stops operation during MASK CLEAN TIME  
 Difficult to stop SPI while a worker picks up NG PCB  
 Difficult to re-insert NG PCB after visual inspection

## AFTER

No need to store NG PCB separately  
 The production line keeps running even screen printer stop for stencil cleaning  
 SPI can keep operate during visual checking and fixing NG PCB  
 Easy to change the NG PCB by call function



# AOI BUFFER STACKER

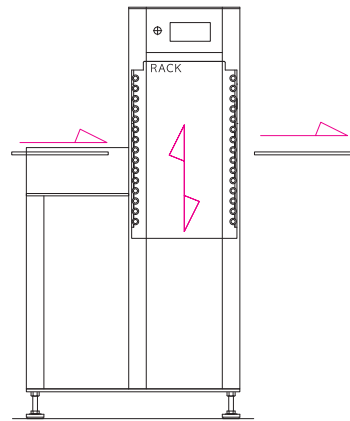


## FEATURES

- SMD Interface
- Conveyor and Rack separately driven system
- Rack Driven by Gear
- 10 Slots (45 mm pitch)
- RS-232C interface with AOI Review PC
- FIFO / LIFO / NG / PASS mode
- Adjustable stacking quantity of NG or GOOD board (NG + GOOD = 10)
- Buzzer
- 3 colored LED tower light
- Touch screen
- Conveyor + Rack structure
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- 2nd floor conveyor
- 20 Slots (22mm pitch)
- Keyboard, mouse, and monitor stand
- Pneumatic stopper
- High-speed lift
- CE
- RS-485 Communication

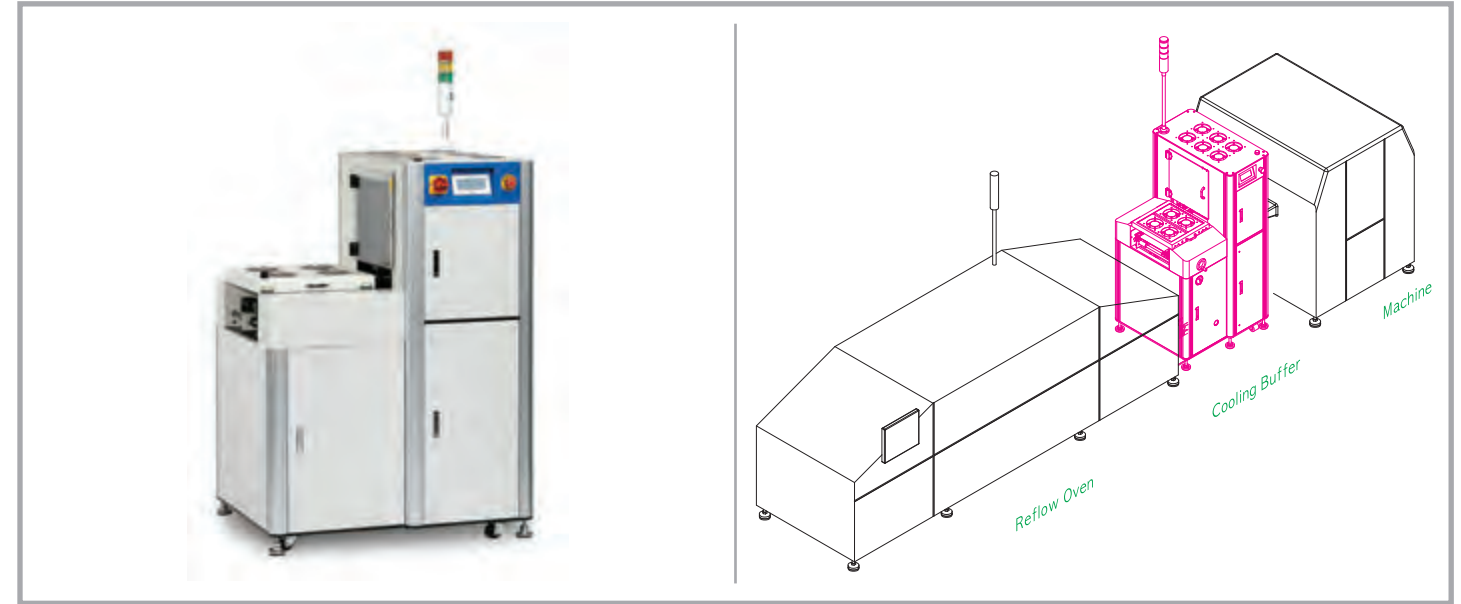


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ANB-15S	S	330×250	60×60	980×890×1505	0.3kVA	0.5±0.1	240
ANB-15Y	Y	440×330		1090×970×1505			260
ANB-15L	L	530×375		1180×1015×1505			280
ANB-15X	XL	530×460		1180×1100×1505	290		
ANB-152X	2XL	610×460		1260×1100×1505	0.4kVA		300

# COOLING BUFFER CONVEYOR

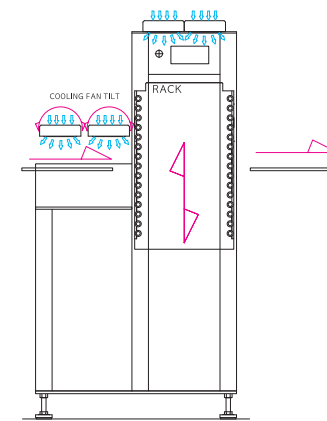


## FEATURES

- SMD Interface
- Conveyor and Rack separately driven system
- Rack Driven by Gear
- 10 Slots (45 mm pitch)
- FIFO / LIFO / PASS mode
- Buzzer
- 3 colored LED tower light
- Touch screen
- Conveyor + Rack structure
- Cooling fan at Conveyor and Lift Top
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- 2nd floor conveyor
- 20 Slots (22mm pitch)
- Cooling fan at side door
- Air condition system for maintaining fixed temperature
- Keyboard, mouse, and monitor stand
- Pneumatic stopper
- High-speed lift
- CE
- RS-485 Communication



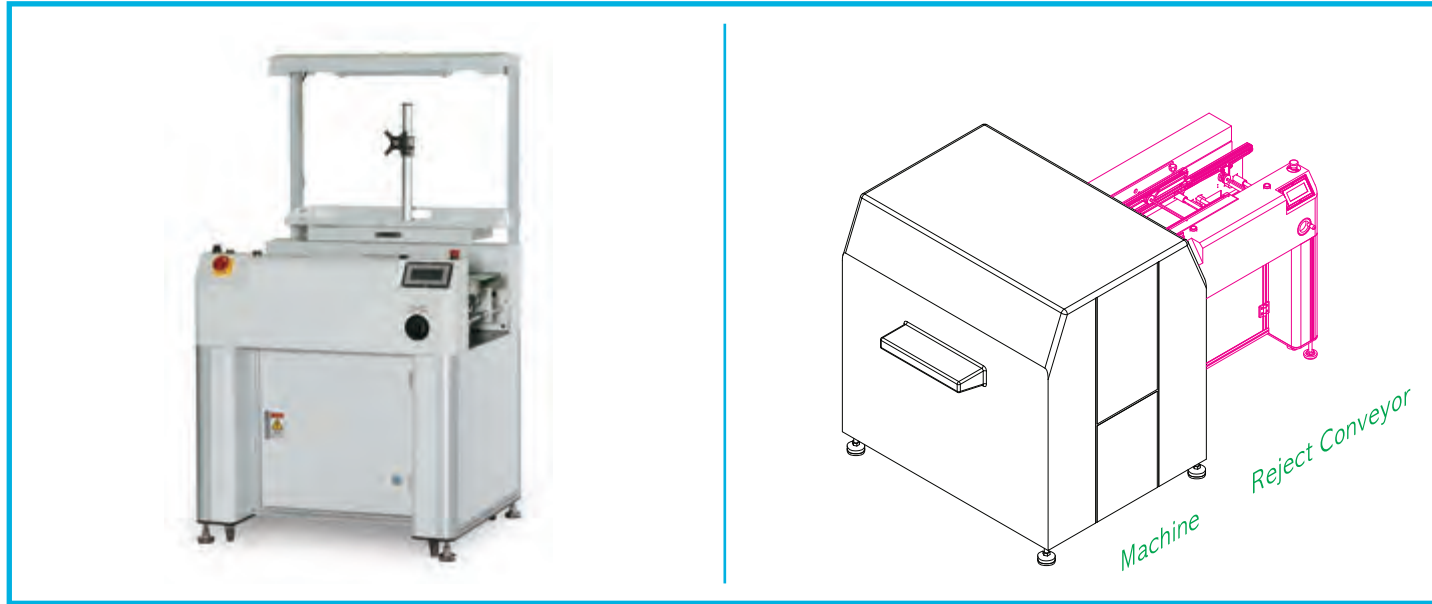
## Specifications

Customized Manufacturing Available.

MODEL	TYPE	PCB CAPACITY	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ACB-10S	S	10	330×250	60×60	780×755×1440	0.3kVA	0.5±0.1	240
ACB-10Y	Y		440×330		1000×835×1440			260
ACB-10L	L		530×375		1180×875×1440			280
ACB-10X	XL		530×460		1180×965×1440			290
ACB-102X	2XL		610×460		1340×965×1440			300



# REJECT CONVEYOR

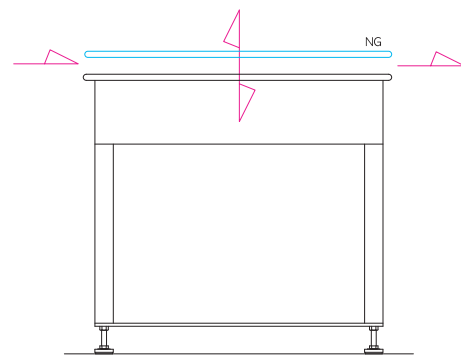


## FEATURES

- SMEMA Interface
- Durable construction with double base plate
- NG, Inspection and Pass mode
- Touch screen
- Up & down system with motor driven
- Buzzer
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE at Conveyor (Upper : 25mm, Lower : 25mm)

## OPTION

- Conveyor automatic width adjustment
- Conveyor speed controller
- ESD cover at conveyor
- RS-232C communication with SPI or AOI
- Additional NG loading section
- 3 colored LED tower light
- LED light
- Keyboard, mouse, and monitor stand
- CE
- RS-485 Communication

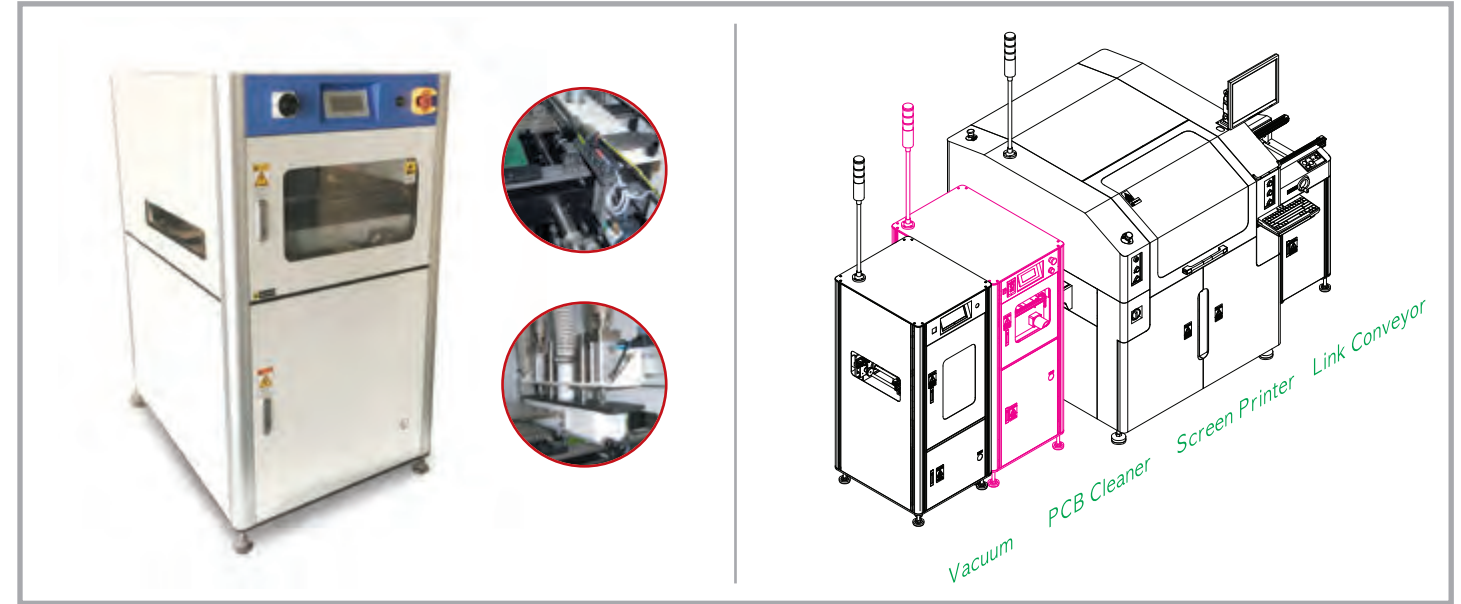


## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ANRC-100S	SL	330×250	50×50	1000×730×980	0.3kVA	0.5±0.1	190
ANRC-100Y	YL	440×330		1000×810×980			200
ANRC-100L	LL	530×375		1000×855×980			210
ANRC-100X	XL	530×460		1000×940×980			220
ANRC-1002X	2XL	610×460		1000×940×980			230

# PCB CLEANER

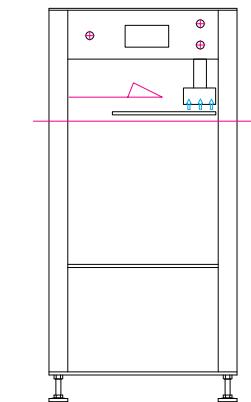


## FEATURES

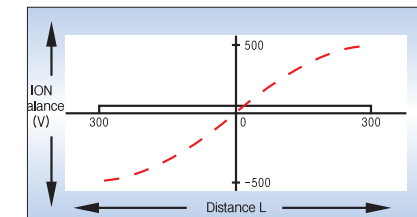
- For Bare Board
- SMEMA Interface
- External dust collector
- Non-contact cleaning system (Scratch and Static free)
- Vacuum system
- Touch screen
- Top surface cleaning
- Buzzer
- 3 colored LED tower light
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE(Upper : 25mm, Lower : 25mm) at Conveyor with pass mode.

## OPTION

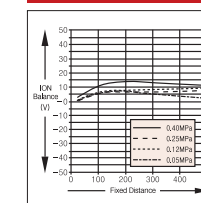
- Conveyor automatic width adjustment
- Conveyor speed controller
- Ionizer
- CE
- RS-485 Communication



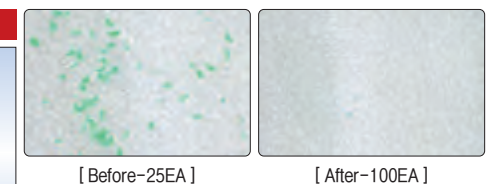
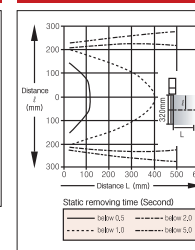
### Ion Balance Comparison



### Ion Balance



### Static removing area



- Dust detection**  
Found 25 PCB polluted out of 250 PCBs  
⇒ Confirmed pollution is Ink powder
- Cleaning function test**  
Cleaning  
Run the PCB Cleaner for 150 PCBs
- Cleaning result**  
Checked cleaned boards  
⇒ 95% passed the pollution test

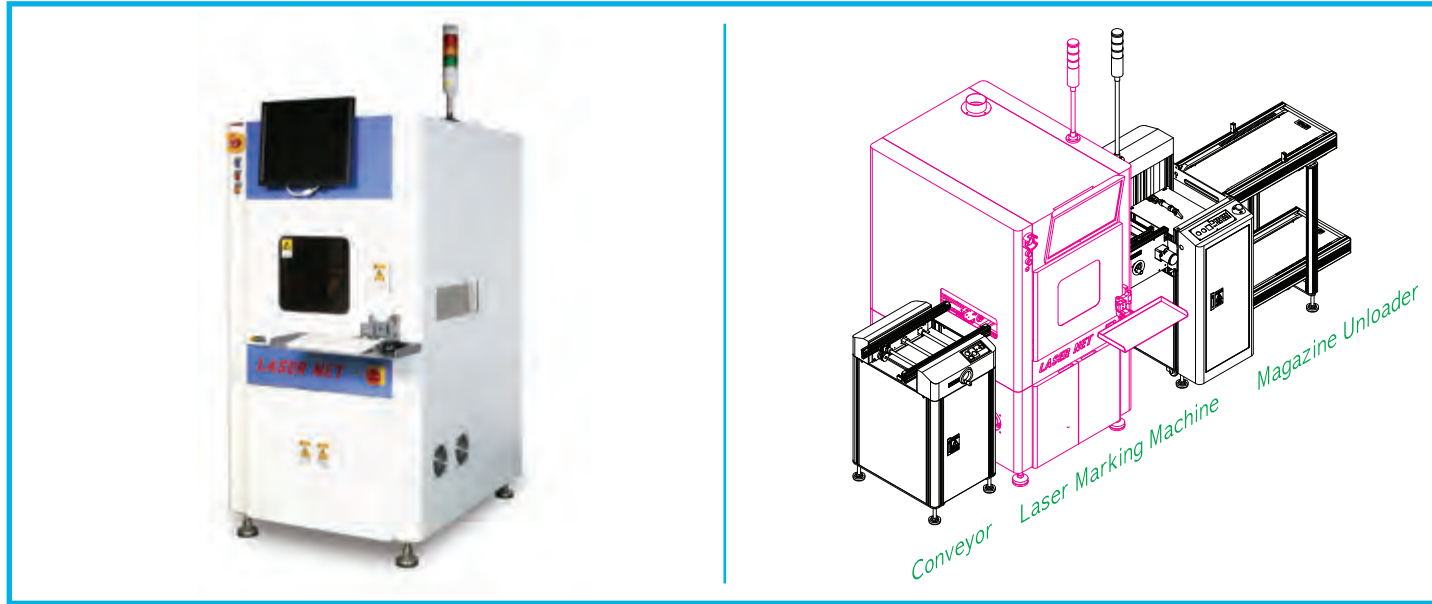
## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ADRC-50S	S	330×250	100×50	600×805×1370	0.5kVA	0.5±0.1	120
ADRC-50Y	Y	440×330		670×880×1370			130
ADRC-50L	L	530×375		770×880×1370			140
ADRC-50X	XL	530×460		770×960×1370			150
ADRC-502X	2XL	610×460					



# LASER MARKING MACHINE

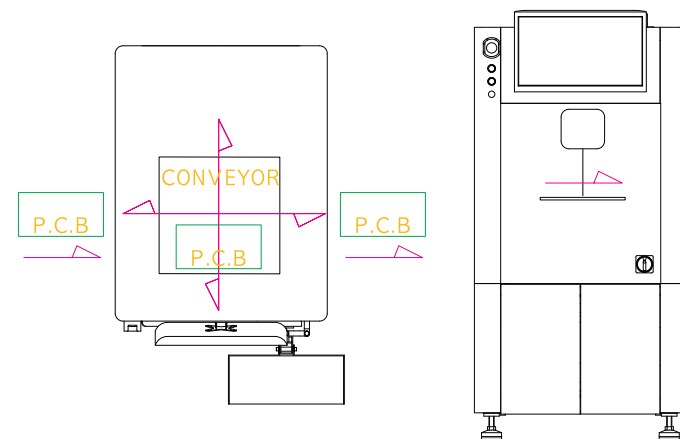


## FEATURES

- CO2 laser head (Panasonic: LP410-U)
- FAYb laser head (Panasonic: LP-M200)
- Barcode Scanner
- Vision camera
- Dust collector (Amano: VF-5N)
- Conveyor automatic width adjustment
- Conveyor speed controller
- PCB clamp unit
- PCB stopper unit
- Conveyor X-Y Axis Moving System
- PC, Keyboard, mouse, and monitor
- SMEMA Interface
- PC based operation
- Buzzer
- 3 colored LED tower lamp
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE(Upper : 25mm, Lower : 25mm) at Conveyor with pass mode.

## OPTION

- Built-in Inverting system
- Selectable Laser head, barcode scanner, vision camera
- Ionizer (Panasonic: ER-VS02)
- Vacuum Unit
- MES system
- CE
- RS-485 Communication

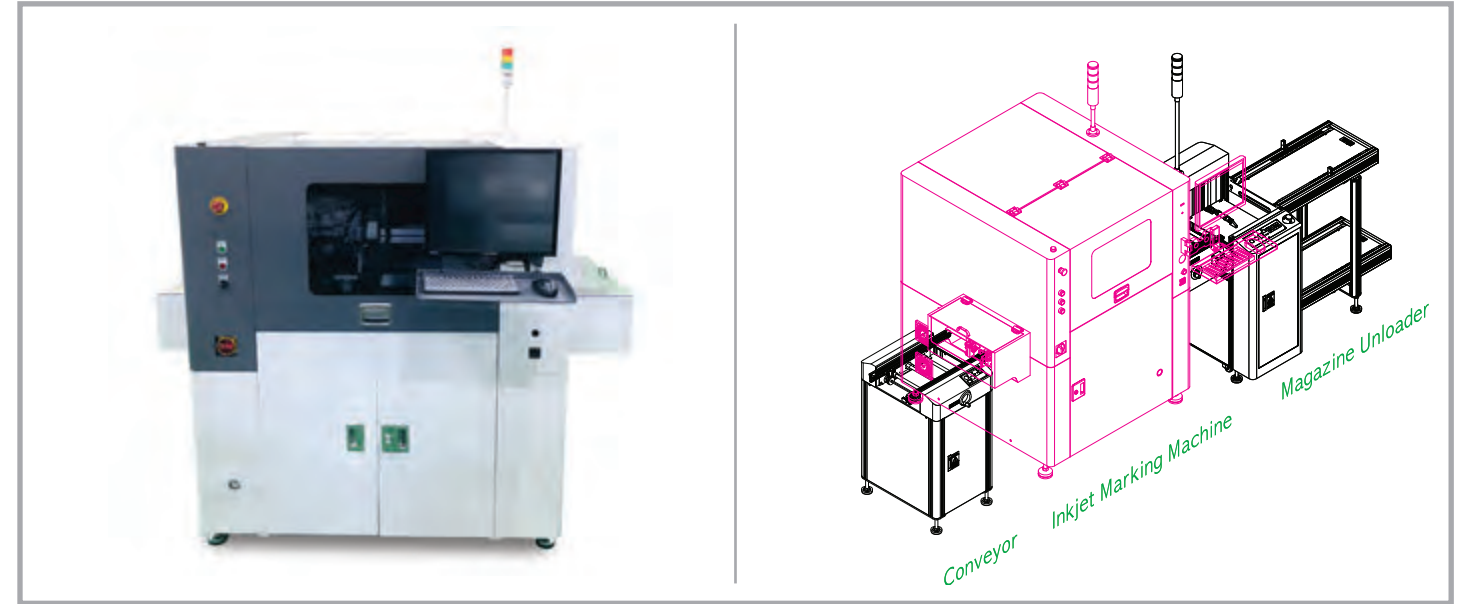


## Specifications

Customized Manufacturing Available.

MODEL	PCB SIZE(L×W)mm	X-Y TABLE MOVING DIMENSION(L×W×H)mm	X-Y TABLE MOVING+INVERTING DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
ALM-100S	330×250	750×1500×1500	850×1750×1500	2kVA	0.5±0.1	600
ALM-100Y	440×330	970×1500×1500	1070×1750×1500			725
ALM-100X	530×460	1150×1750×1500	1250×1980×1500			850

# INKJET MARKING MACHINE

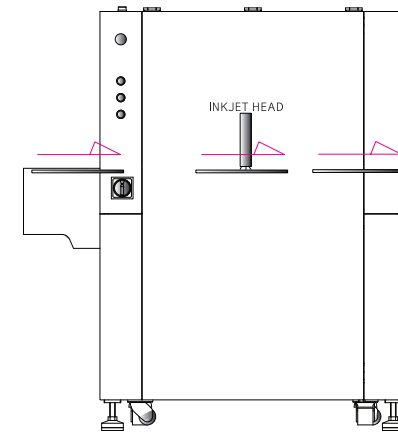


## FEATURES

- Vision camera
- Conveyor automatic width adjustment
- Conveyor speed controlle
- Conveyor speed: 250mm / sec
- Marking head X-Y axis moving system
- PC, Keyboard, mouse, and monitor
- Domino or Leibinger inkjet.
- SMEMA Interface
- PC based operation
- Buzzer
- 3 colored LED tower lamp
- 3mm EDGE CLEARANCE at Conveyor
- CLEARANCE(Upper : 25mm, Lower : 25mm) at Conveyor with pass mode.

## OPTION

- Conveyor speed controller
- Conveyor X-Y Axis Moving System
- Z axis: Automatic
- θ-axis: Automatic
- Dust Collector
- CE
- RS-485 Communication



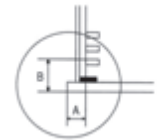
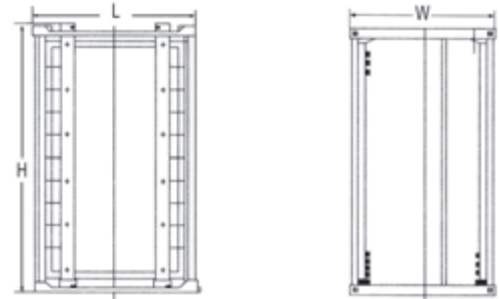
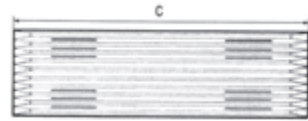
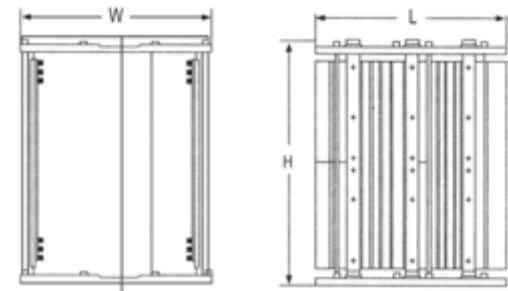
## Specifications

Customized Manufacturing Available.

MODEL	TYPE	Max.PCB(L×W)mm	Min.PCB(L×W)mm	DIMENSION(L×W×H)mm	POWER	AIR(MPa)	WEIGHT(Kg)
AIM-100S	S	330×250	50×50	1410×1135×1510	2kVA	0.5±0.1	700
AIM-100X	X	510×510		1610×1345×1510			900



# MAGAZINE RACK-NTC SERIES



REFERENCE POSITION



GUIDE RAIL



## ■ Specifications

MODEL NO.	TYPE		W	L	H	AJ	A	B	C	D	E	P	WEIGHT (Kg)
	TYPE1	TYPE2											
NTC-091	60℃	120℃	320	355	580	50~258	34	35	330	3	3	10	4.8
NTC-092	60℃	120℃	320	355	570	50~258	34	35	330	3	3	10	4.8
NTC-093	60℃	120℃	460	535	575	60~380	34	35	535	4	5	10	7
NTC-094	60℃	120℃	370	350	570	98~308	34	35	330	3/5	3/5	10	5
NTC-095	60℃	120℃	380	480	575	77~318	34	35	480	3	5	10	7
NTC-096	60℃	120℃	400	460	575	68~334	34	35	460	3	5	10	7
NTC-097	60℃	120℃	320	355	570	50~258	34	35	330	5	5	10	6
NTC-098	~250℃		320	355	570	50~250	34	35	335	3	3	10	6
NTC-099	60℃	120℃	320	620	575	60~236	34	35	600	4	5	10	8.5
NTC-100	60℃	120℃	530	535	575	150~460	34	35	535	4	5	10	8.5
NTC-101	60℃	120℃	530	620	575	150~460	34	35	600	4	5	10	8.5