



**WEC
AUTOMATION
EQUIPMENT
LTD.**

WEC® WEC AUTOMATION EQUIPMENT LTD.

wecsmt.com

PCB HANDLING EQUIPMENTS



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**EXCELLENCE IN
MACHINERY
AND BEYOND
SINCE 1996**

WEC[®]

Introduction

WEC was founded in 1996 and has been focusing on R&D and production of more advanced and intelligent SMT PCB handling equipment for more than 30 years. Our brand is deeply loved by both domestic and foreign users for its excellent quality and efficient service.

WORLDWIDE • EFFICIENT • CREATIVE

1996

Hong Kong Winson Electronic Manufacturing Equipment Ltd. founded

2000

Shenzhen Winson Electronic Manufacturing Equipment Ltd. founded

2013

WEC Automation Equipment (Huizhou) Ltd. founded



Productivity



WEC®



Partners



Canon

ASMPT



TCL



DBG

ZTE中兴

Amphenol

COMMUNICATIONS SOLUTIONS

FLEXTRONICS

CHANGHONG 长虹

OSRAM

oppo

Hisense 海信

Haier



LUXSHARE ICT

LITEON®

GREE 格力

Skyworth 创维

SAMSUNG

美的 Midea

JABIL

SONY

Panasonic

MFLEX

Smaller, Smarter Electronics

FOXCONN

富士康科技集团

ALPINE

Emotion in Mobility

MIND 曼德

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Magazine Buffer
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Automatic Loader

MAIN FUNCTION

- Used in the beginning of SMT line, send out the PCBs from magazine one by one after received the signal from downstream.
- The input rail and output rail each can load 1 magazine, the lifter can load 1 magazine. The lift pitches: 10,20,30,40mm.



SPECIFICATION

Model	BL-250N-ES	BL-330N-ES	BL-390N-ES	BL-460N-ES
Machine Size	(L)1120*(W)766*(H)1230mm	(L)1300*(W)850*(H)1230mm	(L)1600*(W)1050*(H)1230mm	(L)1600*(W)1050*(H)1230mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Machine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Lift Pitches	10、20、30、40mm			
Transport Direction	Front rail fixed, from left to right or right to left transport.			
Transport Height	900+50/-20mm			
Control System	Touch screen, PLC, Photoelectric sensor.			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA			

Automatic Loader With Cover

MAIN FUNCTION

- Used in the beginning of SMT line, receive PCBs one by one and push to magazine after received signal.
- The input rail and output rail each can load 1 magazine, the lifter can load 1 magazine. The lift pitches: 10,20,30,40mm.
- With full cover.



SPECIFICATION

Model	BL-250N-ESC	BL-330N-ESC	BL-390N-ESC	BL-460N-ESC
Machine Size	(L)1120*(W)766*(H)1650mm	(L)1300*(W)850*(H)1650mm	(L)1600*(W)1050*(H)1650mm	(L)1600*(W)1050*(H)1650mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Machine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Lift Pitches	10、20、30、40mm			
Transport Direction	Front rail fixed, from left to right or right to left transport.			
Transport Height	900+50/-20mm			
Control System	Touch screen, PLC, Photoelectric sensor.			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA			

Universal Loader

MAIN FUNCTION

- Used in the beginning of SMT, send PCBs one by one from magazine to downstream machine after received signal.
- The input rail and output rail each can load 1 magazine, the lifter can load 1 magazine. The lift pitches: 10,20,30,40mm.
- Magazine input & output rail and lift station width can be adjusted. Available for 250mm, 330mm, 390mm, 460mm magazines.



SPECIFICATION

Model	BL-33N-EU	BL-39N-EU	BL-46N-EU
Machine Size	(L)1650*(W)1023*(H)1230mm	(L)1850*(W)1110*(H)1230mm	(L)1740*(W)910*(H)1200mm
PCB Size	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed,transport from left to right		
Transport Height	900+50/-20mm		
AC Power	110/220V, 50-60HZ		
Control System	Touch screen, PLC, Photoelectric sensor.		
Communication	Standard SMEMA		

Automatic Single Magazine Loader with Cover

MAIN FUNCTION

- Used in the beginning of SMT line,receive PCBs one by one and push to magazine after received signal.



SPECIFICATION

Model	BL-250N-EOC	BL-330N-EOC	BL-390N-EOC	BL-460N-EOC
Machine Size	(L)1120*(W)766*(H)1650mm	(L)1300*(W)850*(H)1650mm	(L)1600*(W)1050*(H)1650mm	(L)1600*(W)1050*(H)1650mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Lift Platform	10、20、30、40mm			
Transport Direction	Front rail fixed, from left to right or right to left transport.			
Transport Height	900+50/-20mm			
Control System	Touch screen, PLC, Photoelectric sensor.			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA			

Right Angle Loader

MAIN FUNCTION

- Used in the beginnign of SMT line, send out the PCB form magazine one by one after received the downstream signal.
- Magazine input/output rail in the rear side, as a right angle with machine.



SPECIFICATION

Model	BL-25N-ER	BL-33N-ER	BL-39N-ER	BL-46N-ER
Machine Size	(L)1138*(W)1060*(H)1200mm	(L)1350*(W)1220*(H)1200mm	(L)1520*(W)1330*(H)1200mm	(L)1520*(W)1480*(H)1200mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Lift Pitches	10、20、30、40mm			
Transport Direction	Front rail fixed, from left to right transport.			
Transport Height	900+50/-20mm			
Control System	Touch screen, PLC, Photoelectric sensor.			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA			

Automatic Vacuum Loader

MAIN FUNCTION

- Used in the beginning of SMT line, receive PCBs one by one and push to magazine after received signal.



SPECIFICATION

Model	VH-350N-ES	VH-460N-ES
Machine Size	(L)700*(W)740*(H)1250mm	(L)800*(W)850*(H)1250mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Lifting Platfrom	PCB platfrom adopts motor to drive gear rail lifting	
Transport Height	900+50/-20mm	
Sucking Lifting	SMC cylinder is used to drive four groups of suction cup lifting, combined with lifting platform	
Control System	Touch screen, PLC, Photoelectric sensor.	
Transport Direction	Front rail fixed, from left to right transport.	
AC Power	110/220V, 50-60HZ	
Communication	Standard SMEMA	

Destacker Machine

MAIN FUNCTION

- Used in the beginning of SMT line,send out the bare boards one by one to downstream after received signal from downstream.



SPECIFICATION

Model	DL-35N-ES	DL-46N-ES
Machine Size	(L)600*(W)810*(H)1200mm	(L)600*(W)910*(H)1200mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front rail fixed, from left to right transport.	
Transport Height	900+50/-20mm	
Transport Rail	Special aluminum rail, 4.8mm width edge belt to do transfer.	
Control System	Touch screen. PLC. Photoelectric sensor.	
AC Power	110/220V, 50-60HZ	
Communication	Standard SMEMA	

Automatic Unloader

MAIN FUNCTION

- Use in the end of SMT line receive PCBs one by one and push to magazine
- The input rail and output rail each can load 1 magazine, the lifter can load 1 magazine. The lift pitches: 10,20,30,40mm.



SPECIFICATION

Model	UL-25N-ES	UL-33N-ES	UL-39N-ES	UL-46N-ES
Machine Size	(L)1680*(W)766*(H)1230mm	(L)1910*(W)850*(H)1230mm	(L)2160*(W)1050*(H)1230mm	(L)2160*(W)1120*(H)1230mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed, from left to right transport.			
Transport Height	900+50/-20mm			
Control System	Touch screen. PLC. Photoelectric sensor.			
Lift Pitches	10. 20. 30. 40mm			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA			

Automatic Unloader With Cover

MAIN FUNCTION

- Use in the end of SMT line receive PCBs one by one and push to magazine.
- The input rail and output rail each can load 1 magazine, the lifter can load 1 magazine. The lift pitches: 10,20,30,40mm.
- With full cover.



SPECIFICATION

Model	UL-25N-ESC	UL-33N-ESC	UL-39N-ESC	UL-46N-ESC
Machine Size	(L)1680*(W)766*(H)1650mm	(L)1910*(W)850*(H)1650mm	(L)2160*(W)1050*(H)1650mm	(L)2160*(W)1120*(H)1650mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed, from left to right transport.			
Control System	Touch screen. PLC. Photoelectric sensor.			
Transport Height	900+50/-20mm			
Lift Pitches	10. 20. 30. 40mm			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA			

Universal Unloader

MAIN FUNCTION

- Used in the end of SMT line, received PCB and push to the magazine after received upstream signal.
- Width of magazine input & output rail and lift station can be adjusted. Available for 250mm,330mm,390mm,460mm magazines.



SPECIFICATION

Model	UL-330E-UT	UL-390E-UT	UL-460E-UT
Machine Size	(L)1910*(W)1023*(H)1230mm	(L)2160*(W)1110*(H)1230mm	(L)2160*(W)1180*(H)1230mm
PCB Size	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~535*460MM
Magazine Size	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed, Transport from left to right.		
Transport Height	900+50/-20mm		
Transport Rail	Special alumnum rail, use 4.8mm dege belt for transferring.		
Rail Weight Loading	Under 2KG		
AC Power	110/220V, 50-60HZ		
Control System	OMRON PLC and PANASONIC sensor.		
Communication	Standard SMEMA		

Right Angle Unloader

MAIN FUNCTION

- Used in the end of SMT line, receive PCBs one by one and push to magazine after received upstream signal.
- Magazine input/output rail in rear side.



SPECIFICATION

Model	UL-25N-RT	UL-33N-RT	UL-39N-RT	UL-46N-RT
Machine Size	(L)1120*(W)1230*(H)1230mm	(L)1280*(W)1400*(H)1230mm	(L)1450*(W)1570*(H)1230mm	(L)1450*(W)1690*(H)1230mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed, from left to right.			
Transport Height	900+50/-20mm			
Transport Rail	Special aluminum rail, 4.8mm edge belt for transferring.			
Rail Weight Loading	Under 2KG			
AC Power	110/220V, 50-60HZ			
Lift Platform	TW made ball screw lift, all in one set aluminum lift platform			
Transport Chain	Magazine in and out transport by black nylon engineering flat chain			
Communication	Standard SMEMA			

Single Magazine Unloder

MAIN FUNCTION

- Used in the end of SMT production line, receive upstream signal, receive and store PCB into magazine one by one.
- Rear side input rail, can save space and dimension.



SPECIFICATION

Model	UL-250E-OT	UL-330E-OT	UL-390E-OT	UL-460E-OT
Machine Size	(L)1130*(W)1060*(H)1230mm	(L)1360*(W)1144*(H)1230mm	(L)1610*(W)1344x(H)1230mm	(L)1610x(W)1414x(H)1230mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed, transport from left to right.			
Transport Height	900+50/-20mm			
AC Power	110/220V, 50-60HZ			
Control System	Touch screen, PLC, Photoelectric sensor.			
Communication	Standard SMEMA.			

Universal Single Magazine Unloader

MAIN FUNCTION

- Used in SMT production line end, receive upstream signal, receive and store PCB into magazine one by one.
- Magazine load rail at rear ,pusher cylinder can be folded to save space. Lift pitch:10、20、30、40mm.
- With rear door.
- Magazine transport rail adjustable, available for 250mm,330mm,390mm,460mm magazines.



SPECIFICATION

Model	UL-330E-OUT	UL-390E-OUT	UL-460E-OUT
Machine Size	(L)1340*(W)1220*(H)1230mm	(L)1550*(W)1330*(H)1230mm	(L)1550*(W)1480*(H)130mm
PCB Size	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~535*460mm
Magazine Size	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed, transport from left to right or right to left		
Transport Height	900+50/-20mm		
Transport Rail	Special aluminum rail, 4.8mm edge belt to transferring.		
Rail Weight Loading	Under 2KG		
AC Power	110/220V, 50-60HZ		
Control System	Touch screen, PLC, Photoelectric sensor.		
Communication	Standard SMEMA.		

Single Magazine NG Unloader (Without Upper/Lower Rail)

MAIN FUNCTION

- Used in SMT line after AOI, receive OK/NG signal from AOI automatically. Push OK PCBs to OK magazine, push NG PCBs to NG magazine after traverse.
- Without the upper/lower rail.



SPECIFICATION

Model	NG-25N-EO	NG-33N-EO	NG-39N-EO	NG-46N-EO
Machine Size	(L)1200*(W)1630*(H)1200mm	(L)1350*(W)1630*(H)1200mm	(L)1400*(W)1630*(H)1200mm	(L)1550*(W)1630*(H)1200mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Direction	Front rail fixed, transport from left to right or right to left			
Transport Height	900+50/-20mm			
Transport Rail	Special aluminum rail, 4.8mm edge belt to transferring.			
Rail Weight Loading	Under 2KG			
AC Power	110/220V, 50-60HZ			
Control System	Touch screen, PLC, Photoelectric sensor.			
Communication	Standard SMEMA.			

NG/OK Unloader with Cover

MAIN FUNCTION

- Used in SMT production line after AOI, automatic receive OK/NG signal from AOI.Push OK board into OK magazine, push NG board into magazine after translate.



SPECIFICATION

Model	NG-25N-ESC	NG-33N-ESC	NG-39N-ESC	NG-46N-ESC
Machine Size	(L)1680*(W)1460*(H)1650mm	(L)1920*(W)1630*(H)1650mm	(L)2160*(W)1760*(H)1650mm	(L)2160*(W)1900*(H)1650mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Lift Pitches	10、20、30、40mm			
Transport Direction	Front rail fixed, from left to right transport.			
Transport Height	900+50/-20mm.			
Control System	Touch screen、PLC、Photoelectric sensor.			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA.			

Loader & Unloader Combine

MAIN FUNCTION

- Used in front of the AOI , inspection machine and Screen printer.Send the PCBs to inspection machine or screen printer one by one. Store the PCBs to the same magazine after work. Magazine input rail load 1 magazine, magazine output rail load 1 magazine.



SPECIFICATION

Model	BUL-250-ST	BUL-330-ST	BUL-390-ST	BUL-460-ST
Machine Size	(L)1830*(W)760*(H)1230mm	(L)2110*(W)845*(H)1230mm	(L)2310*(W)905*(H)1230mm	(L)2310*(W)965*(H)1230mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)460*(W)390mm	50*50~(L)535*(W)460mm
Transport Direction	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Transport Height	Front rail fixed, from left to right.			
Transport Rail	900+50/-20mm			
Control System	Under 2KG.			
AC Power	110/220V, 50-60HZ			
Communication	Standard SMEMA.			

Stacker Unloader

MAIN FUNCTION

- Located in the end of SMT line,collect bare boards one by one after received signal from upstream.



SPECIFICATION

Model	SL-35N-ES	SL-46N-ES
Machine Size	(L)650*(W)810*(H)1200mm	(L)650*(W)810*(H)1200mm
PCB Size	50*50~(L)450*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front rail fixed, from left to right transport.	
Transport Height	900+50/-20mm.	
Transport Rail	Special aluminum rail, 4.8mm width edge belt to do transfer.	
Control System	Touch screen、PLC、Photoelectric sensor.	
AC Power	110/220V, 50-60HZ	

Vacuum and Magazine Loader

MAIN FUNCTION

- Used in the beginning of SMT line, receive PCBs one by one and push to magazine after received signal.
- Two load modes: 1. Magazine load mode 2. Bare board load mode.



SPECIFICATION

Model	XL-25N-ES	XL-33N-ES	XL-39N-ES	XL-46N-ES
Machine Size	(L)1960*(W)800*(H)1230mm	(L)2220*(W)1000*(H)1230mm	(L)2185*(W)1200*(H)1230mm	(L)2480*(W)1400*(H)1230mm
Lift Pitches	10、20、30、40mm			
Transport Direction	Front rail fixed, from left to right or right to left transport.			
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)535*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	(L)355*(W)320*(H)563mm	(L)460*(W)400*(H)563mm	(L)535*(W)460*(H)570mm	(L)535*(W)530*(H)570mm
Control System	Touch screen、PLC、Photoelectric sensor.			
AC Power	110/220V, 50-60HZ			

PCB Cleaner (Top Side Cleaning)

MAIN FUNCTION

- Cleaning roller contact PCB directly to remove the dust, sticky paper to remove the dust from cleaning roller.
- With static eliminator on entrance and exit to lower the static value of PCB for better cleaning.



SPECIFICATION

Model	QX-35N-ES	QX-46N-ES
Machine Size	(L)600*(W)953*(H)1360mm	(L)600*(W)1063*(H)1380mm
PCB Size	(L)100*(W)70~(L)460*(W)350mm	(L)100*(W)70~(L)535*(W)460mm
Transport Direction	Front rail fixed, transport from left to right .	
Transport Height	900+50/-20mm	
PCB Thickness	0.6~3mm	
Cleaning Speed	4~30 seconds (adjustable).	
Cleaning Scope	PCB top surface	
Cleaning Mode	①Build in cleaning brush. ②Build in vacuum exhaust fan. ③Build in anti-static sticky roller.	
Air Pressure	6kg/cm3	
Machine Weight	150KG	
Communication	Standard SMEMA.	

PCB Cleaner (Both Sides Cleaning)

MAIN FUNCTION

- Cleaning roller contact PCB directly to remove the dust, sticky paper to remove the dust from cleaning roller.
- With static eliminator on entrance and exit to lower the static value of PCB for better cleaning.



SPECIFICATION

Model	QX-330N-ES
Machine Size	(L)600*(W)953*(H)1360mm
PCB Size	(L)100*(W)70~(L)460*(W)330mm
Transport Direction	Front rail fixed, transport from left to right .
Transport Height	900+50/-20mm
Board Thickness	0.6~3mm
Cleaning Speed	4~30 seconds (adjustable).
Cleaning Scope	Two sides of PCB.
Cleaning Mode	①Build in cleaning brush. ②Build in vacuum exhaust fan. ③Build in anti-static sticky roller.
Air Pressure	6kg/cm3
Machine Weight	150KG
Communication	Standard SMEMA.

0.5m Reject Conveyor With Cover (Store 5 PCBs)

MAIN FUNCTION

- Located after AOI to separate the OK/NG PCBs.
- Can store 5PCBs.
- With cover on top of rail.



SPECIFICATION

Model	BE-050M-BEC	BE-050L-BEC
Machine Size	(L)500*(W)800*(H)1100mm	(L)500*(W)900*(H)1100mm
PCB Size	50*50~L460*W350mm	50*50~L535*W460mm
Transport Direction	Front rail fixed, transport from left to right.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail.	
Control System	PLC, Sensor, Touch screen.	
Inspection Station	Install 250mm work table at front of rail.	
AC Power	110/220V, 50-60HZ	

0.6M Dual Lane Reject Conveyor With Cover (Store 5 PCBs)

MAIN FUNCTION

- Used in SMT production line after AOI equipment, separate the detected OK or NG PCB board.
- Two sets of transmission mechanism, can be raised to store five NG boards.



SPECIFICATION

Model	DE-060S-BEC
Machine Size	(L)600*(W)1150*(H)1000mm
PCB Size	50*50~L350*W310mm
Transport Direction	Front rail fixed, left to right transport, 1st~4th rail fixed distance is 686mm, 2nd~3rd rail adjustable.
Transport Height	900+50/-20mm
Transport Rail	Special guide rail.
Control System	PLC, Sensor, Touch screen.
AC Power	110/220V, 50-60HZ

Magazine Buffer

MAIN FUNCTION

- Used in SMT line after printer, as buffer function. Can stores 50 PCBs. To control PCBs first in first out or last in first out.
- Three mode for selection:
 - ① Loading mode
 - ② Unloading mode
 - ③ Buffer mode.



SPECIFICATION

Model	HC-25N-ES	HC-33N-ES	HC-39N-ES	HC-46N-ES
Machine Size	1120(L)*1230(W)*1200(H)mm	1280(L)*1400(W)*1200(H)mm	1450(L)*1570(W)*1200(H)mm	1450(L)*1690(W)*1200(H)mm
PCB Size	50*50~(L)350*(W)250mm	50*50~(L)460*(W)330mm	50*50~(L)535*(W)390mm	50*50~(L)535*(W)460mm
Magazine Size	L355*W320*H563mm	L460*W400*H563mm	L535*W460*H570mm	L535*W530*H570mm
Transport Direction	Front rail fixed, transport from left to right .			
Transport Height	900+50/-20mm			
Transport Rail	Special aluminum rail,4.8mm flat belt.			
Rail loading Weight	Under 2KG			
AC Power	110/220V, 50-60HZ			
Control System	Touch screen, PLC, Photoelectric sensor.			

Belt Buffer With Cover

MAIN FUNCTION

- Used in SMT line after printer as buffer function,can store 20 PCBs. Can control FIFO or LIFO (first in first out or last in first out).
- Can disable the memory function of any layer on the touch screen.



SPECIFICATION

Model	HB-35N-ES	HB-46N-ES
Machine Size	510(L)*880(W)*1650(H)mm	610(L)*990(W)*1650(H)mm
PCB Size	50*50~L460*W350mm	50*50~L535*W460mm
Width Adjusted	Used ZD 15W fixed motor to adjust width.	
Transport Direction	Front rail fixed, from left to right transport.	
Transport Height	900+50/-20mm	
AC Power	110/220V, 50-60HZ	
Transport Rail	Special precision guide	
Rail loading Weight	Under 2 kg.	
Control System	Touch screen, PLC, Photoelectric sensor.	
Option	With cooling fan	

Dual Lane Belt Buffer

MAIN FUNCTION

- Used for SMT production line for dual lane buffering, each can store 20 PCBs, can control the PCB FIFO, or LIFO. The storage time of PCB board entering the lifting platform can be set on the touch screen.



SPECIFICATION

Model	HB-25N-ED
Machine Size	1200(L)*1250(W)*1650(H)mm
PCB Size	50*50~(L)350*(W)250mm
Transport Direction	Front rail fixed, from left to right transport.
Transport Height	900-50/-20mm
Transport Rail	Special precision guide, use 2.7mm ESD edge belt
Control System	Touch screen, PLC, Photoelectric sensor.
AC Power	110/220V, 50-60HZ

Dual Lane NG Buffer With Repair Station

MAIN FUNCTION

- Used for NG/ buffering function of SMT production line, dual rail buffering, each rail can store 20 PCBs, can control the PCB FIFO, or LIFO.
- Rail part with anti - static transparent cover, pressure rod support.
- With repair station at entrance, double layer rails, top rail for NG board repair, bottom rail for OK board pass.



SPECIFICATION

Model	HB-25N-EDNG
Machine Size	(L)1200*(W)1250*(H)1600mm
PCB Size	50*50~(L)350*(W)250mm
Transport Direction	Front rail fixed, from left to right transport.
Transport Height	900+50/-20mm
Transport Rail	Special precision guide, use 2.7mm ESD edge belt
Control System	Touch screen, PLC, Photoelectric sensor.
AC Power	110/220V, 50-60HZ

Single Lane Shuttle Conveyor

MAIN FUNCTION

- Used in SMT when the front and rear machine rail edge not in the same line,as linking function.
- Used to combine two SMT production lines into one,or makes one line separated to two lines.
- Dimensions are customized according to customer requirements.



SPECIFICATION

Model	PC-35N-ES14
Machine Size	(L)500*(W)1400*(H)1100mm
PCB Size	50*50~(L)460*(W)350mm
Transport Direction	Front rail fixed, from left to right transport.
Translation Cycle Time	The translation cycle of the machine is 10 seconds
Transport Height	900+50/-20mm
Transport Rail	Special guide rail.
AC Power	110/220V, 50-60HZ
Control Panel	Touch screen, PLC, Photoelectric sensor.
Shuttle System	Step motor and synchronous belt and translation slide block.

Dual Lane Shuttle Conveyor

MAIN FUNCTION

- Used for translating two single rail lines into double lines.
- Dimensions are customized according to customer requirements.



SPECIFICATION

Model	PC-35N-ES26
Machine Size	(L)500*(W)2600*(H)1100mm
PCB Size	50*50~(L)460*(W)350mm
Transport Direction	Front rail fixed, from left to right transport.
Translation Cycle	The translation cycle of the machine is 10 seconds
Transport Height	900+50/-20mm
Transport Rail	Special guide rail.
AC Power	110/220V, 50-60HZ
Control Panel	Touch screen, PLC, Photoelectric sensor.
Shuttle System	Step motor and synchronous belt and translation slide block.

Automatic Inverter Conveyor

MAIN FUNCTION

- To mount both side of PCBs. After finish one side of PCB, this machine will turnover to another side and transfer to downstream.



SPECIFICATION

Model	BI-35N-ES	BI-46N-ES
Machine Size	500(L)*980(W)*1250(H)mm	600(L)*1190(W)*1250(H)mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front rail fixed, from left to right transport.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail.	
Control System	Touch screen, PLC, Photoelectric sensor.	
AC Power	110/220V, 50-60HZ	
Turnover Motor	Motor flip	

90° Turning Conveyor

MAIN FUNCTION

- Change PCB direction at turning or intersection of SMT production line.



SPECIFICATION

Model	BR-35N-ES	BR-46N-ES
Machine Size	(L)700mm*(W)700mm*(H)1200mm	(L)800mm*(W)800mm*(H)1200mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front rail fixed, from left to right transport.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail.	
Control System	Touch screen, PLC, Photoelectric sensor.	
AC Power	110/220V, 50-60HZ	

Aisle Conveyor

MAIN FUNCTION

- Used in the long SMT line as aisle. Automatic induction objects and retraction 900mm aisle, when the operator passed, resume to work after 30s.



SPECIFICATION

Model	GC-35N-ES	GC-46N-ES
Machine Size	750(L)*740(W)*1100(H)mm	750(L)*840(W)*1100(H)mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front rail fixed, from left to right or right and left transport.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail.	
Control System	Touch screen, PLC, Photoelectric sensor.	
AC Power	110/220V, 50-60HZ	
Telescope Control	Use precision step motor and synchronous belt, drive slider to telescope, two stages telescope part, aisle length 900mm.	
Safety Protection	The aisle part is equipped with reflective sensors to prevent personnel or objects wrong induction rail collision.	

Lift Up Gate Conveyor

MAIN FUNCTION

- This unit is used to provide a passageway in a longer production line when required.when the people need to through SMT production line, press the rail lift up button to create a 600mm aisle,after the people through,press the button then the machine will back to work.



SPECIFICATION

Model	GH-35N-ES	GH-46N-ES
Machine Size	(L)700mm*(W)700mm*(H)1200mm	(L)800mm*(W)800mm*(H)1200mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front rail fixed, from left to right transport.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail.	
Control System	PLC, Press-button control, sensor	
AC Power	110/220V, 50-60HZ	

Lift Down Gate Conveyor

MAIN FUNCTION

- This unit is used as a liking function when in a long SMT line.When operator need to pass through the production line, press the button,the rail will goes down and folding to make room for 500mm length space.Press button again after pass through, the rail back to position and continue to work.



SPECIFICATION

Model	GL-35N-ES	GL-46N-ES
Machine Size	1300(L)*570(W)*1100(H)mm	1300(L)*670(W)*1100(H)mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front rail fixed, from left to right transport.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail.	
Control System	PLC, Press-button control, sensor	
Power	110/220V, 50-60HZ	

0.5m Linking Conveyor

MAIN FUNCTION

- Used in SMT line as linking, inspection function, 2 sensors. A set of motor.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.



SPECIFICATION

Model	BF-050M-BE	BF-050L-BE
Machine Size	(L)500*(W)700*(H)900mm	(L)500*(W)800*(H)900mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail. Use 4.8mm edge belt for transferring	
Rail Weight Loading	Under 2KG	
Control System	PLC, Sensor.	
Inspection Station	Install 200mm work table at front of rail.	
AC Power	110/220V, 50-60HZ	

1.0m Aluminum Profile Conveyor (Customizable) With Cover

MAIN FUNCTION

- Used in SMT line as linking, inspection function, 3 sensors. A set of motor.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.
- Install a sheet metal protective cover on the conveyor rail, featuring a transparent ESD acrylic panel (which can be manually lifted).



SPECIFICATION

Model	BF-100M-GE	BF-100L-GE
Machine Size	(L)1000*(W)700*(H)1050mm	(L)1000*(W)800*(H)1050mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail.Use 11mm edge belt for transferring.	
Rail Weight Loading	Under 2KG	
Control System	PLC, Sensor.	
Inspection Station	Install an aluminum profile work surface on the front end of the rail	
AC Power	AC110/220V,50-60HZ (single electric box control).	
Options	Width adjusted: Manual width adjusted,digital width adjusted, and one-click ethernet width adjusted . Chain transport.	

0.5m Linking Conveyor with Lamp (Digital Width Adjusted)

MAIN FUNCTION

- Used in SMT line as linking, inspection function, 2 sensors. A set of motor.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.
- With inspection light on top of rail.Digital width adjusted stand-alone. Can store at least 200pcs product names with different width in touch screen.



SPECIFICATION

Model	BF-050M-BEL	BF-050L-BEL
Machine Size	(L)500*(W)700*(H)1800mm	(L)500*(W)800*(H)1800mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail. Use 4.8mm edge belt for transferring	
Control System	PLC, Sensor.	
Rail Weight Loading	Under 2KG	
Inspection Station	Install 250mm work table at front of rail.	
Inspection Lighting	With inspection light on top of rail.	
AC Power	110/220V, 50-60HZ	
Option	Manual width adjusted Ethernet line width adjusted, Can communicate with each other machine. Machines will follow the previous machine to adjust the width automatically.	

0.5m Cooling Conveyor (Digital Width Adjusted)

MAIN FUNCTION

- Used in SMT line as linking, inspection function, 2 sensors. A set of motor.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.
- With 8pcs fan on top of rail.
- Digital width adjusted stand-alone. Can store at least 200pcs product names with different width in touch screen.



SPECIFICATION

Model	BF-050M-BE	BF-050L-BE
Machine Size	(L)500*(W)700*(H)1100mm	(L)500*(W)800*(H)1100mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail. Use 4.8mm edge belt for transferring	
Rail Weight Loading	Under 2KG	
Control System	PLC, Sensor.	
Inspection Station	Install 250mm work table at front of rail.	
Cooling Fan	With 8pcs fan on top of rail.	
Power	AC220V/50-60HZ (single electric box control).	
Option	Manual width adjusted Ethernet line width adjusted, Can communicate with each other machine.Machines will follow the previous machine to adjust the width automatically.	

0.5m Dual Lane Conveyor with Cover (Digital Width Adjusted)

MAIN FUNCTION

- To work with dual rail oven or dual rail mounting machine. Two rails one segment, two sets of transport motor, each rail can hold one board. 6 sensors.
- Digital width adjusted stand-alone. Can store at least 200pcs product names with different width in touch screen.
- With cover on top of rail.



SPECIFICATION

Model	DF-050S-BE
Machine Size	(L)500x(W)980x(H)1100mm
PCB Size	Rail 1 fixed, rail 2,3,4 are movable. Rail 2&3 the min size is 40mm, rail 1&4 the max distance is 686mm
Transport Direction	Front fixed, left to right.
Transport Height	900+50/-20mm
Transport Rail	Special guide rail. Use 4.8mm edge belt for transferring
Rail Weight Loading	Under 2KG
Control System	PLC, Sensor.
AC Power	110/220V, 50-60HZ
Option	Manual width adjusted Ethernet line width adjusted, can communicate with each other machine.Machines will follow the previous machine to adjust the width automatically.

1.0M Inspection Conveyor

MAIN FUNCTION

- Used in SMT line as linking ,buffer,inspection fuction, 3 sensors.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.



SPECIFICATION

Model	BF-100M-BE	BF-100L-BE
Machine Size	(L)1000*(W)700*(H)900mm	(L)1000*(W)800*(H)900mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail. 4.8mm edge belt for transferring.	
Rail Weight Loading	Under 2KG	
Control System	PLC, Sensor.	
Inspection Station	Install 200mm work table at front of rail.	
AC Power	110/220V, 50-60HZ	

1.0m Inspection Conveyor with Cover & Lamp(Digital Width Adjusted)

MAIN FUNCTION

- Used in SMT line as linking ,buffer,inspection fuction, 3 sensors.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.
- With cover and lamp.
- Digital width adjustment stand-alone. Can store at least 200pcs product names with different width in touch screen.



SPECIFICATION

Model	BF-100M-BELCY	BF-100L-BELCY
Machine Size	(L)1000*(W)700*(H)1800mm	(L)1000*(W)800*(H)1800mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail. 4.8mm edge belt for transferring.	
Control System	Touch screen, PLC, Photoelectric sensor.	
AC Power	110/220V, 50-60HZ	
Option	Manual width adjusted Ethernet line width adjusted, can communicate with each other machine.Machines will follow the previous machine to adjust the width automatically.	

1.2m Outlet Conveyor with Fans

MAIN FUNCTION

- Used to connected with wave soldering for linking function.
- The output height of wave soldering is 1200mm. The height can be adjusted.
- With fan at entrance and exit.



SPECIFICATION

Model	WU-120M-LE
Machine Size	(L)1200~1300*(W)480*(H)750~1200mm
PCB Size:	50*50~(L)460*(W)350mm
Transport Direction	Front fixed, left to right
Transport Height	900+50/-20mm
Transport Motor	ZD 25W speed adjustable motor
AC Power	110/220V, 50-60HZ
Frameworks	Sheet metal frame, surface anti-static powder spraying
Option	Add fans at entrance and exit

1.0m Inlet Conveyor

MAIN FUNCTION

- Used to connected with wave soldering for linking function.
- The transport height to connect with MI conveyor is 750mm, the height to connect with wave soldering is 800mm, the height can be adjusted.



SPECIFICATION

Model	WL-100M-LE
Machine Size	(L)1000x(W)560x(H)800+/-50mm
PCB Size	50*50~(L)500*(W)350mm
Transport Rail	Special guide rail. Use white nylon chain for transferring
Transport Direction	Front fixed, left to right
Transport Height	900+50/-20mm
Transport Motor	ZD 25W speed adjustable motor
AC Power	110/220V, 50-60HZ
Frameworks	Sheet metal frame, surface anti-static powder spraying

1.0m Cooling Conveyor with Cover (Digital Width Adjusted)

MAIN FUNCTION

- Used in SMT line as linking ,buffer,inspection fuction, 3 sensors.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.
- With cover and fan.
- Digital width adjustment stand-alone. Can store at least 200pcs product names with different width in touch screen.



SPECIFICATION

Model	BF-100M-BEFCY	BF-100L-BEFCY
Machine Size	(L)1000*(W)700*(H)1100mm	(L)1000*(W)800*(H)1100mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail. 4.8mm edge belt for transferring.	
Control System	Touch screen, PLC, Photoelectric sensor.	
AC Power	110/220V, 50-60HZ	
Option	Manual width adjusted Ethernet line width adjusted, Can communicate with each other machine.Machines will follow the previous machine to adjust the width automatically.	

1.0m Linking Conveyor

MAIN FUNCTION

- Used in SMT line as linking, inspection function, 3sensors. A set of motor.
- In manual mode can stop one PCB for inspection, after press reset button, PCB flow to exit to wait for downstream signal to send out.
- In auto mode, PCB flow to exit directly to wait for downstream signal to send out.



SPECIFICATION

Model	BF-100M-HE	BF-100L-HE
Machine Size	(L)1200~1300*(W)480*(H)750~1200mm	(L)1000*(W)800*(H)900mm
PCB Size	50*50~(L)460*(W)350mm	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right.	
Transport Height	900+50/-20mm	
Transport Rail	Special guide rail. Use 4.8mm edge belt for transferring	
Rail Weight Loading	Under 2KG	
Control System	PLC, Sensor.	
Inspection Station	Install 200mm work table at front of rail.	
AC Power	AC220V/50-60HZ (single electric box control).	

1.6m MI Conveyor

MAIN FUNCTION

- Single rail one stage, a set transport mechanism and a set motor. machine keep running after power on.



SPECIFICATION

Model	HL-160L-LE
Machine Size	(L)1600*(W)680*(H)1850mm
PCB Size:	50*50~(L)460*(W)460mm
Transport Direction	Front fixed, left to right
Transport Height	900+50/-20mm
Transport Motor	ZD 25W speed adjustable motor
AC Power	110/220V, 50-60HZ
Frameworks	Sheet metal frame, surface anti-static powder spraying

0.8m PVC Belt Conveyor

MAIN FUNCTION

- To be used in SMT line for linking function, speed adjustable, no PLC controls, with a set of transport motor.



SPECIFICATION

Model	WP-080L-A
Machine Size	(L)800*(W)590*(H)900mm
PCB Size:	50*50~(L)535*(W)460mm
Transport Direction	Front fixed, left to right
Transport Height	900+50/-20mm
Transport Motor	ZD 40W speed adjustable motor
AC Power	110/220V, 50-60HZ
Frameworks	40*40 aluminum frame.