



Prey
By Detech

Board Handling Brouchure



By Detech Europe

Detech Europe Limited

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PTB Series

Linking Conveyor and Dual Lane Linking Conveyor



Prey

By Detech

PTB Series Linking Conveyor PTB-D Series Dual Lane Linking Conveyor



This unit is used to link between SMD machines.
Sturdy and stable design.

High quality ESD conveyor belt for a long lasting lifetime and easy to replace.
Special guiding mechanism installed at the entrance and exit of this unit for the smoothest and stablest operation.
Smooth and parallel width adjustment.
SMEMA compatible

Specification

Size	L	XL	L
Model	PTB-350	PTB-460	PTB-D300
PCB Size (mm)	80 x 50 ~ 400 x 350	80 x 50 ~ 510 x 460	80 x 50 ~ 330 x 300
Conveyor Height (mm)	900±20	900±20	900±20
Dimension (mm)	500 ~ 2500 (L) Specified by customer		
	560(W)	630 (W)	750(W)
	900 (H)		
Weight (kg)	55 ~ 120	55 ~ 130	70 ~ 150
Conveyor Speed	0.5 ~ 20 m/min or specify		
Power Supply	1 φ 220V, Max.150VA		
Max Board Weight	1.5 Kg for Belt conveyor. Optional: Max 4 Kg for Chain conveyor		
Flow Direction	Left to Right. Optional: Right to Left		

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PTB/C Series

Cooling Linking Conveyor and Inspection Conveyor



PTB-C Series Cooling Linking Conveyor PTC Series Inspection Conveyor



The PTB-C Series is a cooling conveyor used to link SMD machines. The PTC Series is an inspection conveyor to be used as a visual inspection station whilst linking between SMD machines. Each machine features a sturdy and stable design.

High quality ESD conveyor belt for a long lasting lifetime which is also easy to replace. Special guiding mechanism installed at the entrance and exit of this unit for the smoothest and stablest operation. Smooth and parallel width adjustment. SMEMA compatible.

Specification

Size	L	XL	L	XL
Model	PTB-C350	PTB-C460	PTC-350	PTC-460
PCB Size (mm)	80 x 50~400 x 350	80 x 50~510 x 460	80 x 50~400 x 350	80 x 50~510 x 460
Conveyor Height (mm)	900±20	900±20	900±20	900±20
Dimension (mm)	500 ~ 2500 (L) Specified by customer			
	560(W)	630 (W)	560(W)	630 (W)
	1250 (H)		1800(with lampholder)	
Weight (kg)	100 ~ 240	100 ~ 260	65 ~ 160	65 ~ 170
Conveyor Speed	0.5 ~ 20 m/min or specify			
Power Supply	1 φ 220V, Max.150VA			
Max Board Weight	1.5 Kg for Belt conveyor. Optional: Max 4 Kg for Chain conveyor			
Flow Direction	Left to Right. Optional: Right to Left			

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PTD/E Series

Telescopic Gate Conveyor and Manual Lift Gate Conveyor



PTD Series Telescopic Gate Conveyor PTE Series Manual Lift Gate Conveyor



The PTD Series is a telescopic gate conveyor used to when a passage way is required in a production line. Which features an 800mm passage way, swift and smooth retraction and extension of the conveyor with safety sensors installed to enhance safety.

The PTE Series is a manual lift gate conveyor which is also used when a passage way is required in a production line. Which features a 650mm passage way, cylinder assisted lifting motion and a pneumatic locking device installed to enhance safety. Both have smooth and parallel width adjustment and are SMEMA compatible.

Specification

Size	L	XL	L	XL
Model	PTD-460	PTD-550	PTE-350	PTE-460
PCB Size (mm)	80 x 50 ~ 510 x 460	80 x 50 ~ 700 x 550	80 x 50 ~ 400 x 350	80 x 50 ~ 510 x 460
Conveyor Height (mm)	900±20	900±20	900±20	900±20
Dimension (mm)	1200 ~ 2000 (L)	1200 ~ 2000 (L)	950 ~ 1600 (L)	950 ~ 1600 (L)
	760(W)	860(W)	580(W)	690 (W)
	1090 (H)	1090 (H)	1050 (H)	1050 (H)
Weight (kg)	120	160	120	140
Cycle Time	About 10 second			
Conveyor Speed	0.5 ~ 20 m/min or specify			
Power	1 ∅ 220V, Max.150VA			
Board Thickness	Min.0.6 mm			

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PTF Series Turn Conveyor



PTF Series Turn Conveyor



The PTF Series is a turning linking conveyor, it is used to redirect PCBs in a production line. It features a built in rotary mechanism to ensure the highest level of safety while also having a sturdy and stable design with a user friendly control panel. It includes a smooth a precise rotation system with smooth and parallel width adjustment and is also SMEMA compatible.

Specification

Size	M	L
Model	PTF-250	PTF-460
PCB Size (mm)	80 x 50 ~ 330 x 250	80 x 50 ~ 510 x 460
Conveyor Height (mm)	900±20	900±20
Dimension (mm)	600 (L)	830 (L)
	600 (W)	910 (W)
	1250 (H)	1250 (H)
Weight (kg)	100	150
Cycle Time	About 15 second	
Power Supply	1 φ 220V, Max.120VA	
Board Thickness	Min.0.6 mm	
Max Board Weight	1.5 Kg	
Flow Direction	Left to Right. Optional: Right to Left	

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PTCC Series

PCB Dust Remover



PTCC Series PCB Dust Remover



The PTCC Series is a PCB Dust Removing Unit which is used for removing dust particles, glass fibre and other debris on bare PCB surfaces. It features high quality ionizing air knives and brushes/adhesive paper to ensure that as much dust and debris is removed before the PCB continues in the production line.

It includes a total of three cleaning steps: ESD Brushing, Adhesive Roller and Ionizing air knives for anti-static processing.

The conveyor speeds and brush speeds are adjustable.

Vacuum negative press cleaner for cleaning the dust on the brush.

It also has a sturdy and stable design with a user friendly control panel and smooth and parallel width adjustment while also being SMEMA compatible.

Specification

Size	M	L
Model	PTF-250	PTF-460
PCB Size (mm)	80 x 50 ~ 330 x 250	80 x 50 ~ 510 x 460
Conveyor Height (mm)	900±20	900±20
Dimension (mm)	600 (L)	830 (L)
	600 (W)	910 (W)
	1250 (H)	1250 (H)
Weight (kg)	100	150
Cycle Time	About 15 second	
Power Supply	1 φ 220V, Max.120VA	
Board Thickness	Min.0.6 mm	
Max Board Weight	1.5 Kg	
Flow Direction	Left to Right. Optional: Right to Left	

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SL-3B Series

Automatic PCB Loader



SL-3B Series Automatic Loader



Used for the loading of PCBs into the production line.
 Sturdy and stable design.
 User friendly "touch panel" control panel.
 Used stepper to push the PCB, with fast, smooth and adjustable pushing force.
 Pneumatic clamps provided for magazine alignment.
 High throughput with short magazine change-over time.
 Includes buzzer and light tower.
 SMEMA compatible.

Specification

Size	M	L	LL	XL
Model	SL-3BM	SL-3BL	SL-3BLL	SL-3BXL
PCB Size (mm)	80 x 50~330x250	80 x 50~460 x 330	80 x 50~510 x 390	80 x 50~510 x 460
Conveyor Height	900±20 mm	900±20 mm	900±20 mm	900±20 mm
Dimension (mm)	1350 (L)	1770 (L)	1840 (L)	1840 (L)
	750 (W)	850 (W)	910 (W)	980 (W)
	1250 (H)	1250 (H)	1250 (H)	1250 (H)
Magazine Size (mm)	355 x 320 x 563	460 x 400 x 563	535 x 460 x 570	535 x 530 x 570
Magazine Model	803#	806#	808#	809#
Weight (kg)	145	205	250	255
Number of Magazine	Upper conveyor: 1 Magazine, Lower conveyor: 2 Magazine. Optional: Upper 2 / Lower 3			
Loading Time	About 6 second or specify			
Change-over Time	About 35 second or specify			
Step Index	10,20,30,40 mm or specify			
Power Supply	1 φ 220V, Max.300VA			
Air Pressure	4 ~ 6 Bar			
Board Thickness	Min.0.6 mm			
Flow Direction	Left to Right. Optional: Right to Left			

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SL-3Z Series

Magazine Loader and Vacuum Bare Board Loader



SL-3Z Series Magazine Loader and Vacuum Bare Board Loader Combination (2 Models in 1 Machine)



Two models in one machine: Vacuum loader and Magazine Loader. The best for 'double-sided SMT process' application on single SMT lines. Vacuum loader is for loading faster bare PCBs into the SMT line. Magazine loader is for loading PCBAs or PCBs into the SMT line. Pneumatic clamps provided for magazine alignment. High throughput with short magazine change-over time. Used stepper to push PCB with fast, smooth and adjustable pushing force. User friendly "touch panel" control panel. Includes buzzer and light tower. SMEMA compatible.

Specification

Size	M	L	XL
Model	SL-3ZM	SL-3ZL	SL-3ZXL
PCB Size (mm)	80 x 50~330x250	80 x 50~460 x 330	80 x 50~510 x 460
Conveyor Height (mm)	900±20	900±20	900±20
Dimension (mm)	1750 (L)	2150 (L)	2250 (L)
	750 (W)	930 (W)	1080 (W)
	1600 (H)	1600 (H)	1600 (H)
Magazine Size (mm)	355 x 320 x 563	460 x 400 x 563	535 x 530 x 570
Magazine Model	803#	806#	809#
Weight (kg)	245	355	400
Number of Magazine	Upper conveyor: 1 Magazine, Lower conveyor: 2 Magazine		
Loading Time	About 6 second or specify		
Change-over Time	About 25 second or specify		
Step Index	10,20,30,40 mm or specify		
Power Supply	1 φ 220V, Max.600VA		
Air Pressure	4 ~ 6 Bar		
Board Thickness	Min.0.6 mm		

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SLD-3D Series

Dual Magazine Unloader



SLD-3B Series Dual Magazine Unloader



This unit is used as an unloader of PCBAs in a dual lane SMT product line and can also be used for separating the bad boards from good boards. One magazine is for the good boards and another is for the bad.

Sturdy and stable design.

User friendly "touch panel" control panel.

Pneumatic clamps provided for magazine alignment.

Used stepper motor to push PCB with fast, smooth and adjustable speed and pushing force.

High throughput with short magazine change-over time.

Includes buzzer and light tower.

SMEMA compatible.

Specification

Size	M	L	XL
Model	SLD-3BM	SLD-3BL	SLD-3BXL
PCB Size (mm)	80 x 50 ~ 330 x 250	80 x 50 ~ 460 x 330	80 x 50 ~ 510 x 460
Conveyor Height (mm)	900±20	900±20	900±20
Dimension (mm)	1500 (L)	2100 (L)	2350 (L)
	1400 (W)	1600 (W)	1840 (W)
	1250 (H)	1250 (H)	1250 (H)
Magazine Size (mm)	355 x 320 x 563	460 x 400 x 563	535 x 530 x 570
Magazine Model	803#	806#	809#
Weight (kg)	240	330	430
Number of Magazine	Upper conveyor: 1 Magazine, Lower conveyor: 1 Magazine		
Loading Time	About 6 second or specify		
Change-over Time	About 25 second or specify		
Step Index	10,20,30,40 mm or specify		
Power Supply	1 φ 220V, Max.300VA		
Air Pressure	4 ~ 6 Bar		
Board Thickness	Min.0.6 mm		
Flow Direction	Left to Right. Optional: Right to Left		
Push Conveyor	1 Push Conveyor/Shuttle Conveyor, Optional: 2 Push Conveyor		

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SZL-3B Series

Buffer Loader/NG Stocker



SZL-3B Series Buffer Loader / NG Stocker



This unit is used for loading and unloading PCBAs.
This unit is also used to separate the bad boards from the good boards.
It can also be used as a buffer stocker or an NG stocker.

Sturdy and stable design.

User friendly "touch panel" control panel.

Several different modes: First in First Out, Last in First Out, Loader, Unloader, NG Stocker.

Fast, smooth and precise indexing control.

Pneumatic clamps provided for magazine alignment.

High throughput with short magazine change-over time.

Includes buzzer and light tower.

SMEMA compatible.

Specification

Size	M	L	XL
Model	SZL-3BM	SZL-3BL	SZL-3BXL
PCB Size (mm)	80 x 50 ~ 330 x 250	80 x 50 ~ 460 x 330	80 x 50 ~ 510 x 460
Conveyor Height (mm)	900±20	900±20	900±20
Dimension (mm)	1200 (L)	1400 (L)	1570 (L)
	1350 (W)	1540 (W)	1740 (W)
	1250 (H)	1250 (H)	1250 (H)
Magazine Size (mm)	355 x 320 x 563	460 x 400 x 563	535 x 530 x 570
Magazine Model	803#	806#	809#
Weight (kg)	220	245	270
Loading Time	About 6 second or specify		
Change-over Time	About 25 second or specify		
Step Index	10,20,30,40 mm or specify		
Power Supply	1 φ 220V, Max.300VA		
Flow Direction	Left to Right. Optional: Right to Left		

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ZK Series

Vacuum Bare Board Loader



ZK Series Vacuum Bare Board Loader



This unit is used for the loading of bare PCBs into a production line.

- Sturdy and stable design.
- User friendly "touch panel" control panel.
- Adjustable suction positions provide better grip of PCBs.
- Several individual vacuum generation systems to ensure reliability.
- Several safety circuit and protective circuit designs.
- Smooth and parallel width adjustment.
- Includes buzzer and light tower.
- SMEMA compatible.

Specification

Size	Real-load Vacuum Loader	Front-load Vacuum Loader
Model	ZK-650M	ZK-460
PCB Size (mm)	80 x 50 ~ 510 x 460	80 x 50 ~ 510 x 460
Conveyor Height (mm)	900±20	900±20
Dimension (mm)	650 (L)	900 (L)
	1050 (W)	830 (W)
	1200 (H)	1200 (H)
Weight (kg)	175	210
Loading Time	About 8 second or specify	
Max. Board Capability	200 PCBs (PCB thickness is 0.6 mm)	
Power Supply	1 φ 220V, Max.120VA	
Air Pressure	4 ~ 6 Bar	

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ZL-3B Series

Automatic PCB Unloader



ZL-3B Series Automatic Unloader



Used for the unloading of PCBs from the production line.
 Sturdy and stable design.
 User friendly "touch panel" control panel.
 Used stepper to push the PCB, with fast, smooth and adjustable pushing force.
 Pneumatic clamps provided for magazine alignment.
 High throughput with short magazine change-over time.
 Includes buzzer and light tower.
 SMEMA compatible.

Specification

Size	M	L	LL	XL
Model	ZL-3BM	ZL-3BL	ZL-3BLL	ZL-3BXL
PCB Size (mm)	80 x 50~330x250	80 x 50~460 x 330	80 x 50~510 x 390	80 x 50~510 x 460
Conveyor Height	900±20 mm	900±20 mm	900±20 mm	900±20 mm
Dimension (mm)	1980 (L)	2590 (L)	2660 (L)	2760 (L)
	750 (W)	850 (W)	910 (W)	980 (W)
	1250 (H)	1250 (H)	1250 (H)	1250 (H)
Magazine Size (mm)	355 x 320 x 563	460 x 400 x 563	535 x 460 x 570	535 x 530 x 570
Magazine Model	803#	806#	808#	809#
Weight (kg)	185	235	285	300
Number of Magazine	Upper conveyor: 1 Magazine, Lower conveyor: 2 Magazine. Optional: Upper 2 / Lower 3			
Loading Time	About 6 second or specify			
Change-over Time	About 25 second or specify			
Step Index	10,20,30,40 mm or specify			
Power Supply	1 φ 220V, Max.600VA			
Air Pressure	4 ~ 6 Bar			
Board Thickness	Min.0.6 mm			
Flow Direction	Left to Right. Optional: Right to Left			

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DL Series

PCB Detstacker



DL Series PCB Destacker



The DL series by Prey offers an automatic PCB destacker which features a stable and sturdy design to ensure with a smooth and parallel width adjustment.

The destacker by Prey features to modes: Destacker and Bypass. The machine uses a titanium alloy blade for long lasting lifespan without the need for replacing the blade.

All board handling products produced by Prey are SMEMA compatible.

Specification

Model	DL-460
PCB Size (mm)	80 x 80 ~ 500 x 460
Loading Time	About 6 second or specify
Max.Board Capability	300 PCBs (PCB thickness is 0.6 mm)
Power Supply	1 ϕ 220V, Max.150VA
Air Pressure	4 ~ 6 Bar
Dimension (mm)	600 x 830 x 1150
Weight (kg)	130
Flow Direction	Left to Right. Optional: Right to Left



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DZ Series

Push Up Stacker



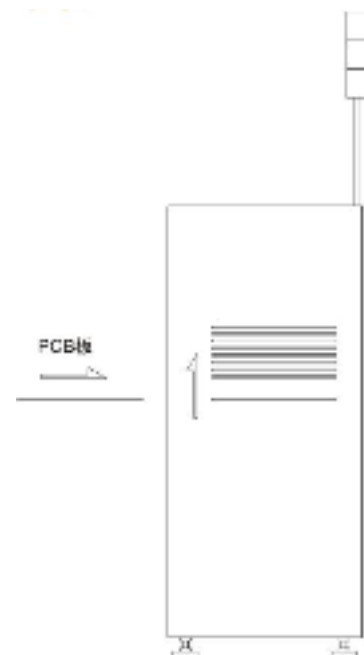
DZ Series Push Up Stacker



The DZ series by Prey offers an automatic PCB push-up stacker which features a stable and sturdy design to ensure the stability of the machine with a smooth and parallel width adjustment. The push-up stacker by Prey features to modes: Manual Mode and Auto Mode. The machine uses a titanium alloy blade for long lasting lifespan without the need for replacing the blade. All board handling products produced by Prey are SMEMA compatible.

Specification

Model	DZ-460
PCB Size (mm)	80 x 80 ~ 500 x 460
Loading Time	About 6 second or specify
Max.Board Capability	300 PCBs (PCB thickness is 0.6 mm)
Air Pressure	4 ~ 6 Bar
Power Supply	1 ϕ 220V, Max.150VA
Dimension (mm)	600 x 840 x 1250
Weight (kg)	130
Flow Direction	Left to Right. Optional: Right to Left



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