



QUANTUM SMT TECHNOLOGIES PVT LTD

#404/42, Bhim Ghard Kheri, Gurgaon – 122 001 (Haryana) India

Email: quantumggn@gmail.com, contact – 7838558032,

Connecting conveyor/Inspection conveyor



Description:

This Unit is used as an inspection station for operators between SMT machines

Feature

1. robust design on improve the stability of the equipment.
2. Aluminium profile for frame.
3. Conveyor speed and conveyor width adjustable.
4. machine can be customized according to the length requirement of customer
5. compatible SMEMA interface.

Optional

1. Ionized fan airflow can absorb the positive and negative charge, so to make sure the object was static on the surface and in order to achieve the purpose of eliminating static electricity and reduce the temperature of the PCB.
2. Transparent cover

Technique Parameters	
Conveyor belt	Round Belt
Conveyor Speed	0.5-20m/min or specified by customer
Power Supply	100, 230V (AC, SP)
Power Consumption	100VA max



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Specifications and quotation						
Name	Size	Model	Dimension(L*W*H, mm)	Effective PCB Size (mm)	Weight (kg)	
Connecting conveyor	L	IC-L-050-NC	500*665*920	50*50-445*330	50	
	LL	IC-LL-050-NC	500*735*920	50*50-457*400	55	
	XL	IC-XL-050-NC	500*800*920	50*50-460*460	65	
	L	IC-L-100-NC	1000*665*920	50*50-445*330	75	
	LL	IC-LL-100-NC	1000*735*920	50*50-457*400	85	
	XL	IC-XL-100-NC	1000*800*920	50*50-535*460	95	
	LL	IC-LL-150-NC	1500*735*920	50*50-457*400	105	
	XL	IC-XL-150-NC	1500*800*920	50*50-535*460	115	
Inspection conveyor (with light tower and worktable)	L	IC-L-100-NC	1000*715*1800	50*50-445*330	100	
	LL	IC-LL-100-NC	1000*785*1800	50*50-457*400	120	
	XL	IC-XL-100-NC	1000*855*1800	50*50-535*460	149	
Optional 1:	Power supply with 1 phase 110v (Optional)					



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High-grade SMT conveyor



Description:

This Unit is used as a visual inspection station for operators between SMD machine for board handing unit

Feature

1. Whole machine are formed by special aluminium profile
2. accurate and durable stainless steel laser cutting edge oriented
3. Smooth width adjustment system.
4. machine can be customized according to the length required by customer.
5. Conveyor speed adjustable
6. anti-static flat belt with 3mm thickness
7. compatible SMEMA interface

Technique Parameters	
Conveyor belt	Anti-static flat belt with 3mm thickness
Conveyor Speed	0.5-20m/min or specified by customer
Power Supply	100, 230V (AC, SP)
Power Consumption	100VA max



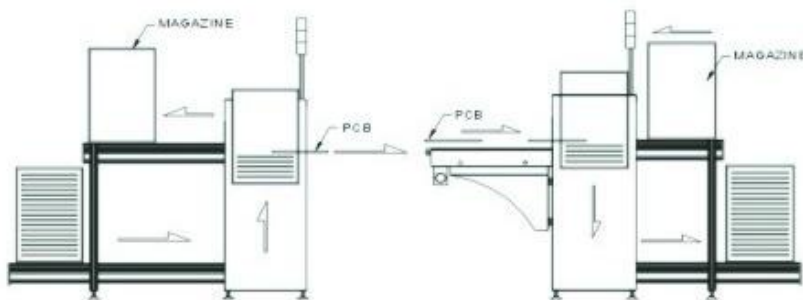
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Specifications and quotation						
Name	Size	Model	Dimension(L*W*H, mm)	Effective PCB Size (mm)	Weight(kg)	
Inspection Conveyor	LL	IC-L-050-HC	500*745*920	50*50-457*407	50	
	LL	IC-L-100-HC	1000*740*920	50*50-457*407	85	
Optional 1:	Power supply with 1 phase 110v					

SMT Loader/Unloader



Loader
上板机

Unloader
下板机



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Description:

This Unit is used for loading and unloading PCB, normally seen in beginning and end of SMT line.

Feature

1. programmable controller
2. solid casting lifter improve the stability of the equipment
3. three-point upper and lower pneumatic clamping system to ensure accurate location of magazine rack
4. magazine rack was conveyed by flat belt
5. adjustable speed control
6. compatible SMEMA interface

Technique Parameters	
No. of Magazine	Upper conveyor:1nos, lower conveyor; 2nos
Time for Feed PCBs	Approx,6 seconds of specified by customer
Magazine Change Over Time	Approx,30 seconds or specified by customer
Indexing Pitch	1--- 4 x 10mm (10mm pitch)or specified by customer
Power Consumption	100, 230V (AC, SP) , 300VA max
Thickness of PCBs	Min 0.4mm
Air Pressure	4-6bar
Air Consumption	Max 10L/min

Specifications & Quotation							
Name	Size	Model	Dimension(L*W*H, mm)	Effective PCB Size (mm)	Weight(kg)	Rack Size(L*W*H, mm)	
Loader	M	LD-M-NC	1330*765*1250	50*50-330*250	140	355*320*570	
	L	LD-L-NC	1650*845*1250	50*50-445*330	200	460*400*570	
	LL	LD-LL-NC	1800*909*1250	50*50-530*390	240	535*460*570	
	XL	LD-XL-NC	1800*970*1250	50*50-530*460	300	535*530*570	
Unloader	M	ULD-M-NC	1930*760*1250	50*50-330*250	160	355*320*570	
	L	ULD-L-NC	2220*845*1250	50*50-445*330	220	460*400*570	



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	L	ULD-LL-N	2660*909*1250	50*50-530*390	280	535*460*570	
	L	C					
	X	ULD-XL-N	2660*979*1250	50*50-530*460	320	535*530*570	
	L	C					
Optional 1:			Power supply with 1 phase 110v				

NG/OK Unloader



Description:

Used after Inline AOI machine to collect "no good" and "ok" PCB separately.

Feature

1. PLC programmable controller
2. With built-in touch-button membrane switch, attractive and durable
3. Collect "no good" and "ok" PCB separately.
4. PCB pusher with pressure adjuster and time alarm system, grantee don't hurt PCB
5. Strong cast lifter ensure the stability of machine
6. Pneumatic clamping system ensures the magazine rack in align position
7. compatible SMEMA interface



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Technique Parameters	
No. of Magazine	Upper Conveyor:1,lower conveyor:2
Time for Feed PCBs	Approx,6 seconds or Specify
Magazine Change Over Time	Approx,30 seconds or Specify
Power Supply	100, 230V (AC, single phase)
Power Consumption	Max 300VA

Specifications & Quotation								
Name	Size	Model	Dimension(L*W*H, mm)	Effective PCB Size (mm)	Weight(kg)	Rack Size(L*W*H, mm)		
NG/ OK Unloader	M	ULD-M-NC	1930*760*1250	50*50-330*250	300	355*320*570		
	L	ULD-L-NC	2220*845*1250	50*50-445*330	350	460*400*570		
	LL	ULD-LL-NC	2660*909*1250	50*50-530*390	380	535*460*570		
	XL	ULD-XL-NC	2660*979*1250	50*50-530*460	450	535*530*570		
Optional 1:			Power supply with 1 phase 110v					

Telescopic gate conveyor



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Description:

This Unit is used when a passage way is required in certain section of the line.

Feature

1. 750 mm wide channel for passenger
2. PLC programmable controller
3. Built-in touch push-button membrane switch panel, attractive interface
4. Fully enclosed design ensures safe operation
5. Fast, smooth, precise telescopic mode
6. Smooth width adjustment system
7. security protection with photoelectric sensor switch to ensure personal safety
8. compatible SMEMA interface

Technique Parameters	
Cycle Time	Approx, 15 seconds
Power Supply	100, 200V (AC, 1ph)
Power Consumption	Max 200VA
PCB Thickness	Min 0.6mm

Specifications & Quotation



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Name	Size	Model	Dimension(L*W*H, mm)	Effective PCB Size (mm)	Weight (kg)
Telescopic Gate Conveyor	L	TSC-M-HC	1500*915*1300	50*50-460*350	250

Manual lifting-up gate conveyor / Auto lifting-down gate conveyor



Description:

This Unit is used when a passage way is required in certain section of the line.

Feature

1. 650 mm wide channel for passenger
2. Section of gate can be lifted up or down
3. safety sensors for security
4. smooth width adjustment system
5. Small footprint
6. compatible SMEMA interface

Technique Parameters	
Cycle Time	Approx,6 seconds Power Source
Power Source	100,230VAC 1ph



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Power Consumption	200VA max
Air Pressure	4-6bar
Air Consumption	48L/min max
PCB Thickness	0.6mm min

Specifications & Quotation						
Name	Size	Model	Dimension(L* W*H, mm)	Effective PCB Size (mm)	Weight(kg)	
Manul Lifting-up Gate Conveyor	L	MLS-020-L	1330*800*1310	50*50-445*330	180	
	LL	MLS-020-LL	1330*930*1310	50*50-457*407	230	

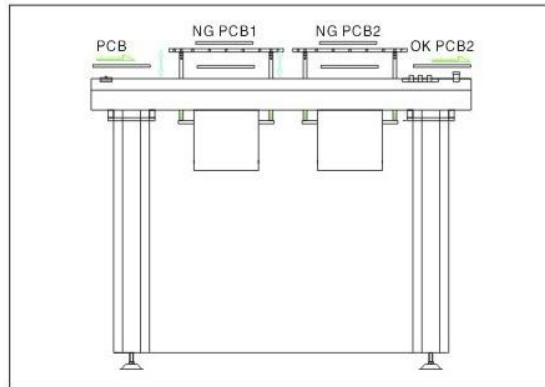
Riddling conveyor



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Description:

This "no good" PCB will be lifted up, totally it have two positions for "no good" PCB. The "ok" PCB will be conveyed unhinderedly.

Feature

1. unique shape of the structure, robust design
2. Can equipped with a plug-in monitor and keyboard etc.
3. Perfect match with AOI or SPI
4. "No good" PCB was supported up smoothly without vibration.

Technique Parameters	
Model	DRC-L-HC
Power supply	AC220V/50HZ
Electric load	Max 100VA
Transmission type	4mm flat belt
Equipment size	1000*810*1850mm (L*W*H)
PCB dimension	50*50-350*330mm
Weight	About 100kg



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Multi-function buffer stocker



Description:

It used for buffer and stocking PCB between machines.

Feature

1. PLC programmable controller
2. Built-in touch-button membrane switch panel, durable and beautiful
3. Multi-modes optional: FIFO\LIFO\NG stock\loading and unloading function
4. Fast, smooth, precise positioning
5. 3-point positioning system make sure magazine rack's alignment
6. Casting structure lifter to ensure stability
7. Interlace compatible SMEMA

Technique Parameters	
Power supply	AC220V/50HZ
Electric load	Max 100VA
Cycle Time	About 20S
The number of magazine	1 in loading conveyor, 1 in unloading conveyor
Step selection	10, 20, 40mm or customized



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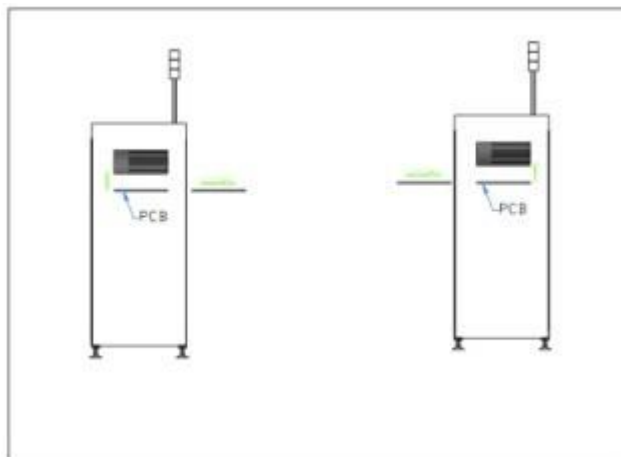
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Air pressure	4-6bar
Air flow	Max 10L/min
Board thickness	Min 0.6mm

Specifications & Quotation							
Name	Si ze	Model	Dimension(L*W*H, mm)	Effective PCB Size (mm)	Weigh t(kg)	Rack Size(L*W*H , mm)	
Buffer Stocker	M	MBF-M-HC	1245*1175*1600	50*50-330*250	140	355*320*570	
	L	MBF-L-HC	1460*1258*1600	50*50-445*330	200	460*400*570	
	LL	MBF-LL-HC	1635*1450*1600	50*50-530*390	240	535*460*570	

Destacker / Stacker



Description:

This Unit used for loading and unloading bare PCBs

Feature

1. User friendly soft touch membrane Control panel



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2. Uninterrupted loading
3. By—pass mode provided
4. Smooth parallel width adjustment (By lead screw)
5. Small machine footprint
6. SMEMA compatible

Technique Parameters	
Magazine Capacity	400pcs(0.6mm thick PCB)
Cycle Time	Approx,10 seconds
Power Supply	100, 200V (AC, SP)
Power Consumption	Max 150VA
Air Pressure	4-6bar
Air Consumption	Max 30L/min

Specifications & Quotation						
Name	Size	Model	Dimension(L* W*H, mm)	Effective PCB Size (mm)	Weight(kg)	
Destacker	M	DS-M-NC,HC	503*889*1200	50*50-407*460	200	
	L	DS-L-NC,HC	603*1035*1200	50*50-530*610	250	
Stacker	M	PS-M-NC,HC	503*889*1200	50*50-407*460	200	
	L	PS-L-NC,HC	603*1040*1200	50*50-530*610	250	

Bare board Loader



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Description:

This Unit is used for loading bare PCBs

Feature

1. User friendly “soft touch” membrane
2. By-pass mode provided
3. Smooth parallel with adjustment by lead screw
4. Powerful vacuum nozzle with position adjustable
5. Small machine footprint
6. SMEMA compatible

Technique Parameters	
Magazine Capacity	400pcs(0.6mm thick PCB)
Cycle Time	Approx,10 seconds
Power Supply	100, 200V (AC, SP)
Power Consumption	150VA max
Air Pressure	4-6bar
Air Consumption	Max 30L/min

Specifications & Quotation						
Name	Size	Model	Dimension(L*W *H, mm)	Effective PCB Size (mm)	Weight (kg)	



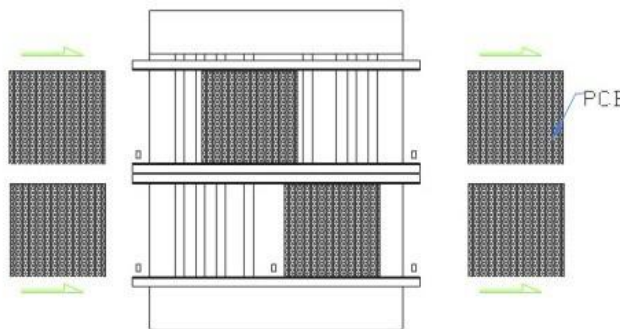
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Bare board loader	L	BL-M-NC, HC	650*730*1035	50*50-380*320	200	
	LL	BL-I-NC, HC	800*800*1038	50*50-530*390	240	

Dual rail conveyor



Description:

It always been seen used with traverser conveyor together to form a line with dual rail Pick place machine or dual rail reflow oven.

Feature

1. smooth parallel width adjustment system
2. length of the machine according to customer requirements
3. Variable speed control
4. compatible SMEMA Interface



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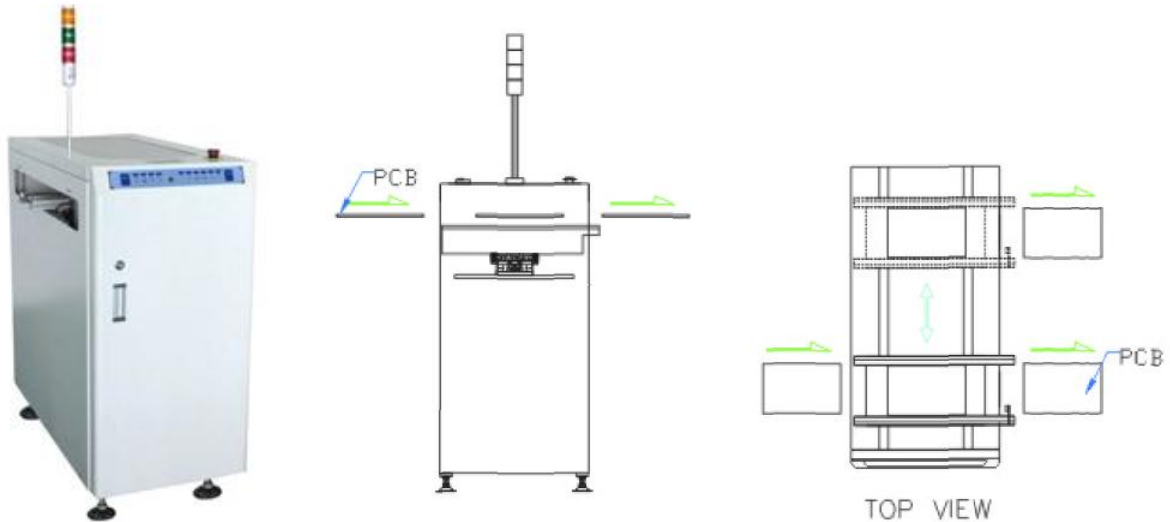
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Technique Parameters	
Conveyor belt	Round Belt
Conveyor Speed	0.5-20m/min or specify by customer
Power Source	100, 200V AC
Power Consumption	Max 100VA

Specifications & Quotation						
Name	Size	Model	Dimension(L*W*H , mm)	Effective PCB Size (mm)	Weight (kg)	
Dual Rail conveyor	L	DTC-L-NC	1000*1110*92	50*50-460*330	80	
	LL	DTC-LL-NC	1000*1265*920	50*50-460*400	100	

Traverser



Description:

Moving PCB from one line to another line

Feature

1. Fully enclosed design ensures the highest level of security protection
2. Built-in touch-button membrane switch panel, durable and beautiful
3. Rapid, balanced and accurate way of movement



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4. smooth parallel width adjustment screw
5. smaller machine footprint
6. compatible SMEMA Interface

Specifications & Quotation						
Name	Size	Model	Dimension(L* W*H, mm)	Effective PCB Size (mm)	Weight (kg)	
Traverser	M	TRS-M-H C	550*W*1050	50*50-330*280	140	
	LL	TRS-L-HC	650*W*1050	50*50-460*400	200	

PCB Inverter



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Description:

This unit is used to flip over PCB in the SMT line

Feature

1. closed rotary mechanism designed to ensure the highest level of security protection
2. top safety cover can be opened for easy maintenance of equipment
3. Use built-in touch-button membrane switch panel
4. Conveyor direction can be set by customer
5. smooth parallel width adjustment system
6. compatible SMEMA Interface

Technique Parameters	
Cycle Time	Approx.5 seconds
Power Source	100, 230VAC 1ph
Power Consumption	Max 150VA
Air Pressure	4-6bar
PCB thickness	Min 0.6mm



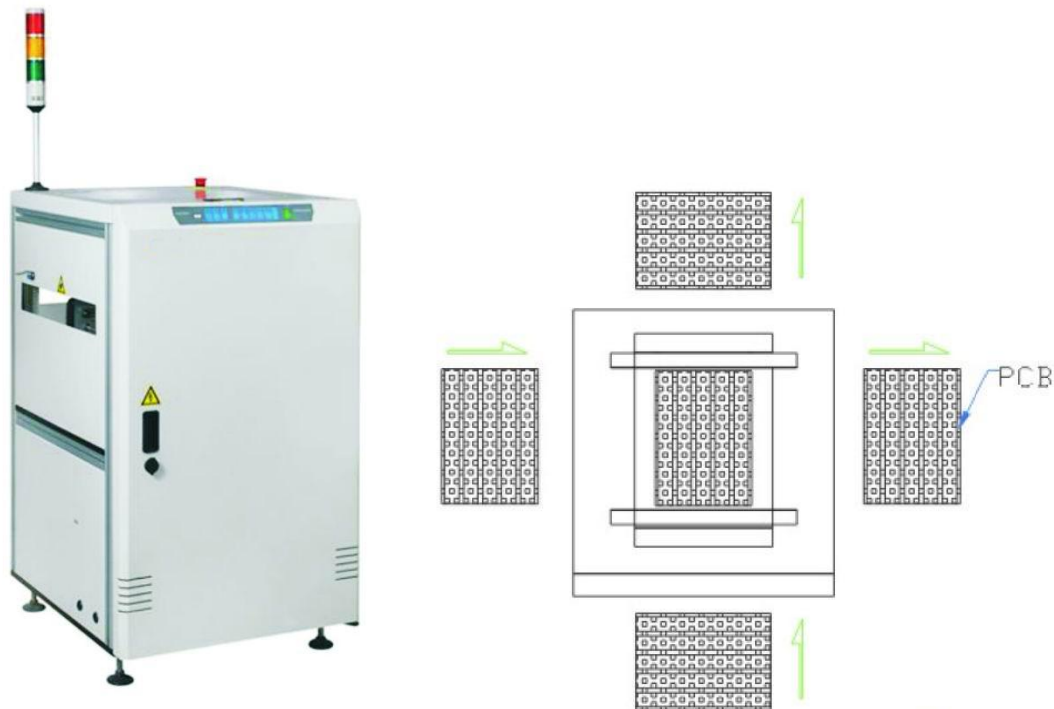
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Name	Size	Model	Dimension(L*W*H, mm)	Effective PCB Size (mm)	Weight (kg)	
PCB	L	PIV-L-NC	600*690*1200	50*50-450*330	120	
inverter	LL	PIV-LL-NC	600*760*1200	50*50-460*400	150	

Re-direction conveyor



Description:

This unit is used to redirect PCBs flow in a production line

Feature

1. Fully enclosed design ensures safe operation level
2. top safety cover can be opened for maintenance equipment easily
3. Built-in touch-button membrane switch panel , durable and beautiful
4. adopt stepping motor rotation , smooth and no vibration
5. smooth parallel width adjustment system
6. smaller machine footprint
7. compatible SMEMA Interface

Technique Parameters



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Cycle Time	Approx.14 seconds
Power Source	100, 230VAC 1ph
Power Consumption	Max 250VA
PCB thickness	Min 0.6mm

Specifications & Quotation						
Name	Size	Model	Dimension(L*W*H,mm)	Effective PCB Size (mm)	Weight (kg)	
Re-direction Conveyor	M	TVL-M-HC	500*560*1200	50*50-330*250	150	
	L	TVL-L-HC	650*710*1200	50*50-450*330	180	