

ASCEN technology co.,ltd(ASCEN)is one of the leading electronic production equipment providers in greater China.

ASCEN to become the preferred partner in sourcing and supplying state-of-the-art SMT production line, electronic testing systems and industrial materials in selected market segments of the electronic and electrical fields.

Our strong corporate image coupled with good track record of achievements is indispensable to our continuous development. Our extensive networks in China, asia, and Europe provide us with vital information about our customers, technological developments,product know-how, and market intelligence.

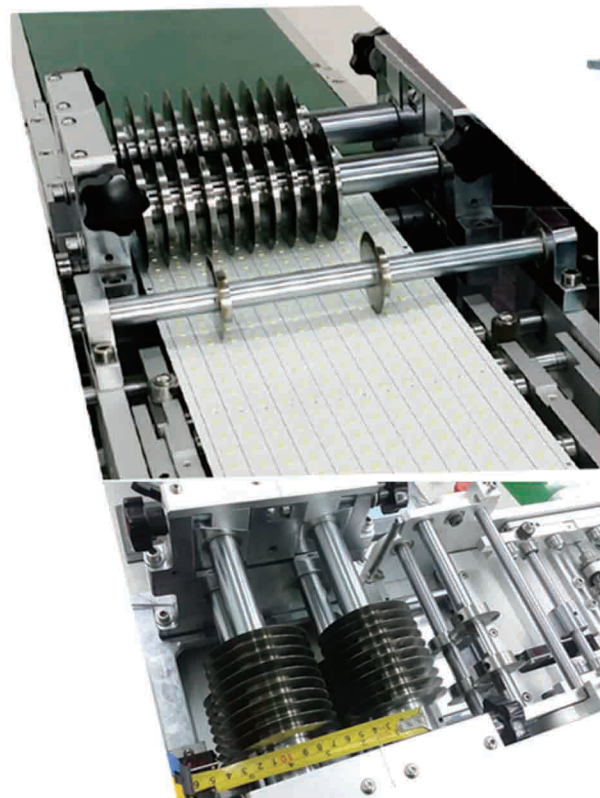
Success Stories



工厂图片 FACTORY PICTURES



多组多刀分板机 PCB multi cutter separator



技术参数 Technique Parameter

Model	ASC-900
PCB Size (L*W)~(L*W)	(12*8)-(unlimited*160mm) custom
Machine Size (L*W*H)	2160mm*570mm*1050mm
Cutting speed	300-500mm/s
Working temperature	10-35℃
PCB thickness	0.6-5.0mm

特点 Features

此设备用于SMT生产线上自动分割PCB板操作
This machine applies to automatic online separate the PCB board

- ※High-efficient separating the whole light bar board at one time.Fitted for batch production.
- ※The minimum cutting length can achieve 100mm and no limits of the cutting length.
- ※The minimum cutting small plate width can achieve 4mm.
- ※The blade is made of imported SKH51 high speed steel material, which is durable and have a long service life.It is convenient to adjust the cutting speed through rotary knob.
- ※This machine can directly connect the reflow oven and the pick and place machine on the SMT production line.
- ※ 高质量一次性分割整块灯条板和其它PCB板，适用于批量生产。
- ※ 最小切割长度能达100mm, 不限制切割长度。
- ※ 最小分割PCB小板可达到4mm一块。
- ※ 刀片采用尽快SKH51材料，耐用，寿命长，通过螺旋按钮更方便调节切割速度。
- ※ 机器能直接连接在SMT生产线上的回流焊机和贴片机。实现在线对接生产线自动切割。



灯条分板机 PCB separator

此设备用于切割LED灯条板
This machine applies to cut the LED trip board

技术参数 Technique Parameter

Model	ASC-700 (no platform)	ASC-710 (1.2M platform)	ASC-720 (2.4M platform)
Max length of PCB	Unlimited	Unlimited	Unlimited
Machine Size (L*W*H)	390*340*340mm	1200*506*333mm (platform)	1200*506*333mm (platform)
Cutting speed	80, 120, 200, 400mm/s	80, 120, 200, 400mm/s	80, 120, 200, 400mm/s
Power	40W	40W	40W
PCB thickness	0.2-5mm	0.2-5mm	0.2-5mm
Weight	41KG	54KG	62KG



此设备用于切割PCB板
This machine applies to cut all of kinds of PCB board

技术参数 Technique Parameter

Model	ASC-501 (no platform)	ASC-502 (1.2M platform)	ASC-503 (2.4M platform)
Max length of PCB	Unlimited	Unlimited	Unlimited
Machine Size (L*W*H)	425*270*410mm	1200*506*333mm (platform)	1200*506*333mm (platform)
Cutting speed	0-1000mm/s	0-1000mm/s	0-1000mm/s
Power	40W	40W	40W
PCB thickness	0.2-5mm	0.2-5mm	0.2-5mm
Weight	45KG	58KG	68KG



CAB Maestro 4M PCB分板机 PCB separator

此设备用于切割各类PCB板
This machine applies to cut all kinds of PCB board.

技术参数 Technique Parameter

Model	ASC-508 (no conveyor belt)	ASC-509 (with conveyor belt)
Max length of PCB	360mm	360mm
Machine Size(L*W*H)	600*395*425mm	1040mm*142mm*127mm (conveyor)
Cutting speed	300, 500mm/s	300, 500mm/s
Power	40W	40W
PCB thickness	0.2-5mm	0.2-5mm
Weight	46KG	58KG



Pneumatic PCB separator 气动PCB分板机

此设备用于切割各类PCB板
This machine applies to cut all kinds of PCB board.

技术参数 Technique Parameter

Model	ASC-620
Max length of PCB	360mm
Machine Size(L*W*H)	700*550*460mm
Working air pressure	0.50-0.70MPA
Voltage	100-230V
PCB thickness	0.2-5mm
Weight	176KG

PCB punching machine PCB冲压分板机



此设备通过冲压可一次性分离各种复杂的PCB板
This machine applies to punch and separate the complex PCB board.

技术参数 Technique Parameter

Model	ASPM10T	ASPM8T	ASPM3T
Punch power	10T	8T	3T
Working area	330*460mm	330*220mm	330*220mm
Output method	Vapor-Liquid supercharged manual handling of materials, lower die automatic access		
Power	40W	40W	40W
Machine size	930*880*1230mm (Benchtop)	800*730*1230mm (Benchtop)	820*730*1760mm (Vertical type)
Weight	780KG	560KG	540KG

此设备用于分割邮票孔PCB板及各种不规则连点PCB板
This machine applies to separate the stamp PCBA and the irregular PCBA.

技术参数 Technique Parameter

Model	AS-2A
Resolution	± 0.01mm
Machine Size(L*W*H)	660*520*700mm
Working area	400X400X100mm/customize (X, Y, Z -axis)
Cutting Speed	500mm/s
PCB thickness	0.4mm-4mm
Control mode	online programming CAD file import
Programmatically	keyboard input
Weight	83KG



CNC depaneling router 桌面式数控铣刀切板机

PCB T型转角机 90 degree PCB Diverter

此设备用于改变流水线上PCB板的运转方向
This machine used to redirect PCBs in a production line.

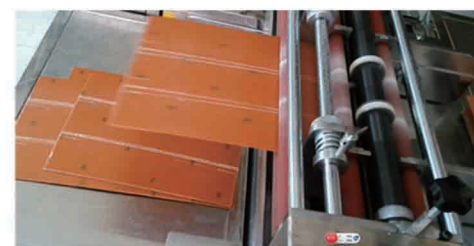
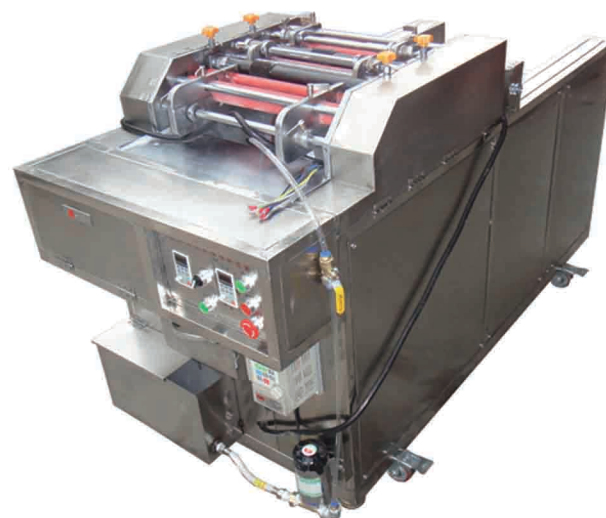
技术参数 Technique Parameter

Model	HY-390TC
PCB Size (L*W) - (L*W)	(50*50mm) - (460*390mm)
Machine Size (L*W*H)	700*750*1200mm
Transport Height	900 ±20mm
Weight adjusting range	50-390mm
Max diameter of rotating	φ650mm
Turning Direction	90° clockwise option:90° counter clockwise
Track Length	500mm
Weight	180KG



PCB/LED板开槽机 PCB/LED V-grooving machine

此设备用于生产PCB板工序中的开V-cut槽的操作
This machine used for PCB/LED board V-cut grooving and manufacture the PCB board.



技术参数 Technique Parameter

Model	380VR	480VR
Minimum cutting width	70mm	70mm
Maximum cutting width	380mm	480mm
PCB thickness	0.6-2.0mm	0.8-3.2mm
Speed	10m/min	8m/min
Precision	±0.01mm	±0.01mm
Weight	140KG	180KG

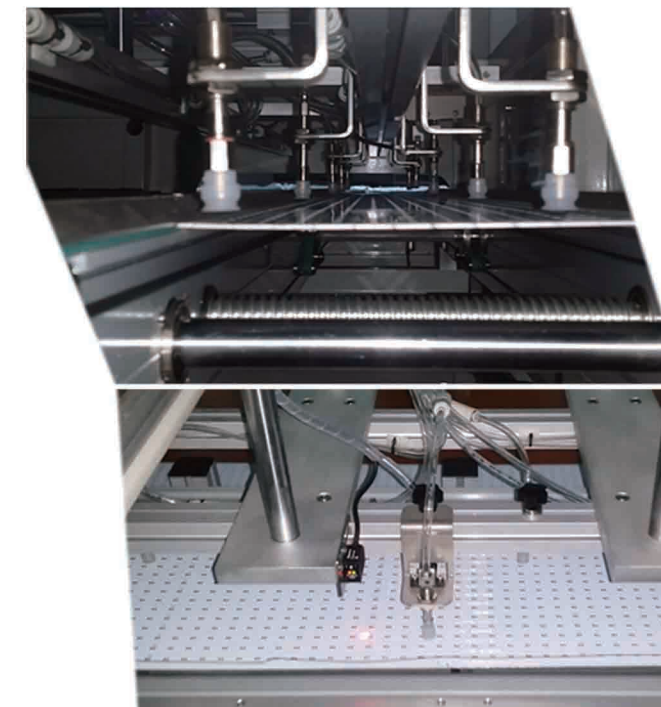
1.2M led 灯板真空吸板机 1200mm LED vacuum loader

技术参数 Technique Parameter

Model	HY-1200Vacuum loader
PCB Size	(50*50mm) - (1200*390mm)
Machine Size (L*W*H)	1350*1185*1680mm
Transport Height	900 ±20mm
PCB volume	400 sheets (0.6mm pcb)
Cycle time	about 8s
PCB thickness	≥4mm
Transfer direction	Left→Right or Right→Left
Weight	260KG



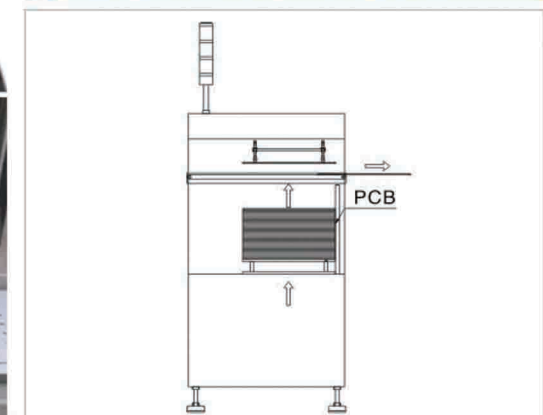
此设备用于流水线上1.2M led灯板的上板操作
This machine used to automatic loading for 1200mm LED bare PCB in a production line.



Features :

- The main pneumatic components are imported products.
- Flexible sucker design, high pressure sorption.
- Standard SMEMA, can online connect other SMT machine equipment.

操作示意图 Operating Figure



Automatic Screw Locking Machine 自动锁螺丝机

应用范围 Application

Subcomponent assembly,PCB board positioning, cover screw fastening,small appliance assembly, toy assembly screw:(1.4-2.3) Phillips screw, Torque: (0.5-8kg)

- ▶ 机器体积: 800*550*650, 机器体重: 50KG
Volume:800*550*650mm, Weight: 50KG
- ▶ 工作范围平台: X轴200, Y轴250, Z轴60
Scope of work platform: X 200, Y 250,Z 60.
- ▶ 电气要求 Electric Requirements: AC 220V
50HZ 300W



Single Head Locking Screw Machine



Six-axe Locking Screw Machine

KA-66 PCB Lead Wire Cutter 切角机

This model is designed to trim the extra long leads automatically and efficiently on the pcb that components inserted and soldered. The machine is optional connecting in line with wave soldering machine.



KA-66

技术参数 Technique Parameter

Model	KA-66
RPM of Spindle	4500
HP	3/4 HP
Feeding Speed	0-3m Adjustable
Min. Lead Height	1.0mm Min
Max. PCB Working Size	500mm (L)*300mm (W)
Size	900 (L)*670 (W)*800 (H) mm
Power	220V 50/60HZ
Net Weight	135KG

技术参数 Technique Parameter

Model	S400	S600	S1200
Dimensions	850*670*1550mm	1000*670*1550mm	1650*670*1550mm
Platform Size	320*500mm	320*600mm	320*1300mm
PCB Size	280*400mm	280*550mm	280*1250mm
Template Size	550*680mm	550*835mm	550*1480mm
Printing speed	0-8000mm/Min		
PCB thickness	0-100mm		
PCB tuning range	Front/Side +10mm		
Power supply	1 Pac 220V 50/60HZ		
Platform height	850±20mm		
Repeatability	±0.01mm		
Positioning mode	外形outside/基准孔Reference hole		
Weight	Approx. 270kg	Approx. 290kg	Approx. 380kg



Solder Paste Printer 钢网印刷机

AGV小车

特点 Features

- ※ Rounding tripping with only one key to reduce labor
- ※ Smart cooling system. You can cool the carrier going through the oven.
- ※ Ergonomic design to lower labor intensity
- ※ Reduce the quantity of carries to save cost
- ※ Operation under constant voltage and speed, easy to control
- ※ Route setting is convenient, only need to relabel the identification code to change the place
- ※ Open platform design to meet more loading demand
- ※ Applies to lead in the whole factory, integrated planning and system management



技术参数 Technique Parameter

Models	HY-50A	HY-50B
Basic function		
Machine size	L750mm*W460mm*H510mm	
Weight	35kg(without battery)	40kg(without battery)
Direct method	electro-optical sensor trailing,blace tape or white tape induction	
Direction	forward, back, turning right and left	
Drive mode	dual motor drive	
Speed	10m-45m/min, the average speed 25m/min for full load	
Loading capacity	≤50kg	
Gradeability	2°	
Min turning radius	≥900mm	
Linear guide accuracy	±10mm	
Stop accuracy	±10mm	
Accumulator	DC24V20Ah quality battery, continueing work time is more than 12 hours	
Charging way	dual cell charge in turn or online	
Safety induction distance	50mm, emergency braking ±10mm	
Control method	manual and auto	
Working environment	indoor temperature:0~40℃, relative humidity:40%-80%	
Dynamical system		
Motor	2 sets of 50W motor	
Power consumption	0.3°	
Safety system		
Infrared evades bonds	•	•
Off-line stop	•	•
Emergency button	•	•
Control system		
Power switch	•	•
Maintenance switch	•	•
Circuit selector switch	optional	optional
Half-way stop detection	optional	optional
Voltage status indicators	•	•
Cooling fan		4*24V 0.25V DC fan
Cooling fan switch group		•

PCB Loader Machine

自动送板机

此设备用于SMT生产线上电路板的上板操作
This machine applies to pcb loading for SMT product line.

特点 Features

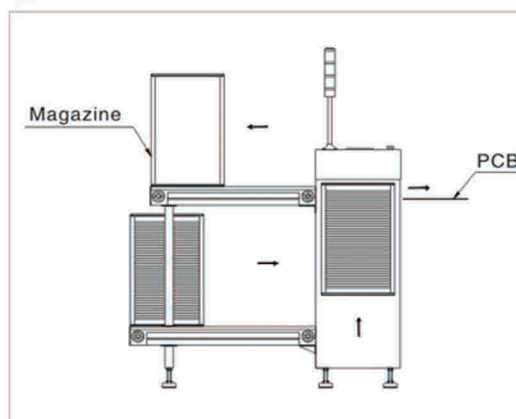
- ※ PLC控制系统
 - ※ 控制面板为LED真彩触摸屏
 - ※ 步距可分为四种(10,20,30,40mm)
 - ※ 可放置二个料架
 - ※ 具有防卡板特殊防呆结构
 - ※ 方向可选取从左至右或右至左
 - ※ 标准配备信号,可与其他设备进行在线接驳
- PLC control system
 - LED TFT touch screen control panel
 - Four step pitches selection(10, 20,30, 40mm)
 - 2 magazines loading capability
 - With the special structure of anti clamping plate and foolproof
 - Direction from left to right or right to left(option)
 - Standard SMEMA



技术参数 Technique Parameter

Loading Time	Around 6S
Workbin changing time	Around 20S
Voltage and load	100-230V AC(customize available).one-phase, max 300V
Air press and flow rate	4-6 bar, $\leq 10L/min$
Conveyor height	920 $\pm$ 20mm(customize available)
Transfer direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB thickness	$\geq 0.4mm$
Magazine Qty	2 Material Box
Step	1-4(10mm gap)

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-250LD	HY-330LD	HY-390LD
PCB Size(L*W)-(L*W)	(50×50)~(350×250)	(50×50)~(455×330)	(50×50)~(530×390)
Machine Size(L*W*H)	1100×780×1200	1400×860×1200	1500×920×1200
Magazine Size(L*W*H)	355×320×565	460×400×565	535×460×565
Weight	Approx.140kg	Approx.180kg	Approx.220kg

Stacking Unloader

层叠式送板机

此设备用于SMT生产线上光板的上板操作
This machine applies to automatic loading for bare pcs in product line.

特点 Features

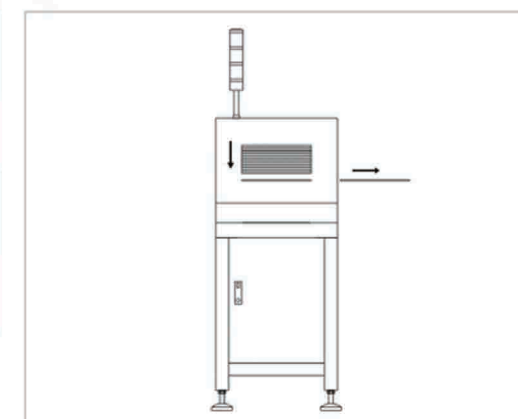
- ※ 结实和稳定的机械设计
 - ※ PLC控制系统,送板时间不超过5秒
 - ※ 控制面板为LED真彩触摸屏
 - ※ 无间断上板可选直通工作模式
 - ※ 标准配备信号,可与其他设备进行在线接驳
- Strong and stable mechanical design
 - PLC control system and the time of sheet feeding should less 5 seconds
 - LED TFT touch screen control panel
 - Pass through function to send the PCB boards continuously
 - Standard SMEMA



技术参数 Technique Parameter

Voltage and load	100-230V AC(customize available).one-phase, max 300V
Conveyor height	920 $\pm$ 20mm(customize available)
Transfer direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB thickness	$\geq 0.4mm$

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-460 Bare board LD
PCB Size(L*W)-(L*W)	(50×50)~(500×460)
Machine Size(L*W*H)	600×650×1200
Weight	Approx.200kg

Automatic Sucking Loader

■自动吸板机

此设备用于生产线裸板自动上板

This machine applies to automatic loading for bare pcbs in product line.

特点 Features

- ※ 放板平台改为可升降设计, 缩短了吸板行程, 确保稳定性
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 灵活的吸盘设计, 高压吸着
- ※ 独立真空发声器, 上板效率高且可靠
- ※ 主要气动配件均采用进口产品
- ※ 标准配备信号, 可与其他设备进行在线接驳

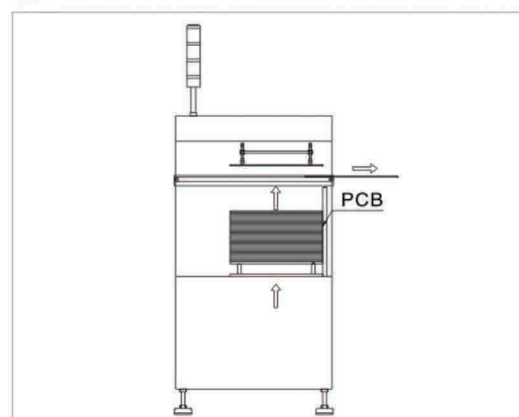
- Sheet feeding panel has changed to the up and down design which shorted the period of sheet feeding to make sure the stability
- PLC control system
- LED TFT touch screen control panel
- Flexible sucker design, high pressure sorption
- Independent vacuum sounder, high efficiency and reliable for sheet feeding
- The main pneumatic components are imported products
- Standard SMTA



技术参数 Technique Parameter

PCB Volume	400 sheets(0.6mm pcb)
Cycle Time	about 8s
Voltage and load	100-230V AC (customized available), one-phase, max 300V
Air press and flow rate	4-6 bar, $\cong$ 10L/min
Conveyor height	920 $\pm$ 20mm(customized available)
Transfer Direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB Thickness	$\cong$ 0.4mm

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-390 Vacuum Loader
PCB Size (L*W) - (L*W)	(50 $\times$ 50) ~ (500 $\times$ 390)
Machine Size (L*W*H)	600 $\times$ 950 $\times$ 1200
Weight	Approx.140kg

Auto Loader & Unloader

■自动吸送一体机

此设备用于SMT生产线线路板上板

This machine applies to pcb loading for SMT product line.

特点 Features

- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 步距可分为四种(10,20,30,40mm)
- ※ 具有吸板和送板功能
- ※ 具有防卡板特殊防呆结构
- ※ 方向可选取从左至右或右至左
- ※ 标准配备信号, 可与其他设备进

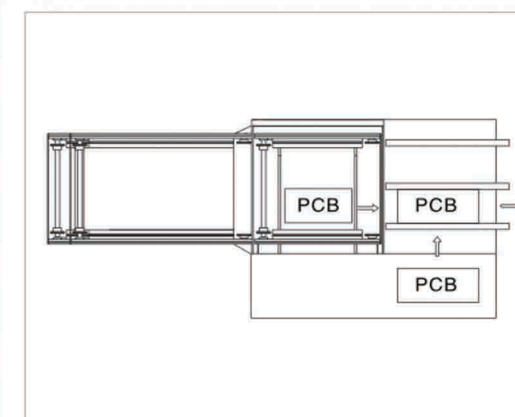
- PCL control system
- LED TFT touch screen control panel
- Four step pitches selection(10, 20,30, 40mm)
- With the function of suction and sending PCB board
- With the special structure of anti clamping plate and foolproof
- Direction from left to right or right to left(option)Standard



技术参数 Technique Parameter

Loading time	around 6s
Magazine changing time	around 20s
Voltage and load	100-230V AC (customized available), one-phase, max 300V
Air press and flow rate	4-6 bar, $\cong$ 10L/min
Conveyor height	920 $\pm$ 20mm(customized available)
Transfer Direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB Thickness	$\cong$ 0.4mm
Magazine Qty	2 Material Box
Step	1-4 (10mm gap)

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-250LD	HY-330LD	HY-390LD
PCB Size (L*W) - (L*W)	(50 $\times$ 50) ~ (350 $\times$ 250)	(50 $\times$ 50) ~ (455 $\times$ 330)	(50 $\times$ 50) ~ (530 $\times$ 390)
Machine Size (L*W*H)	1600 $\times$ 850 $\times$ 1200	2000 $\times$ 950 $\times$ 1200	2250 $\times$ 1050 $\times$ 1200
Magazine Size (L*W*H)	355 $\times$ 320 $\times$ 565	460 $\times$ 400 $\times$ 565	535 $\times$ 460 $\times$ 565
Weight	Approx.140kg	Approx.180kg	Approx.220kg

PCB Unloader Machine

■ 自动收板机

此设备用于SMT生产线上电路板的下板操作

This machine applies to pcb unloading for SMT product line.

特点 Features

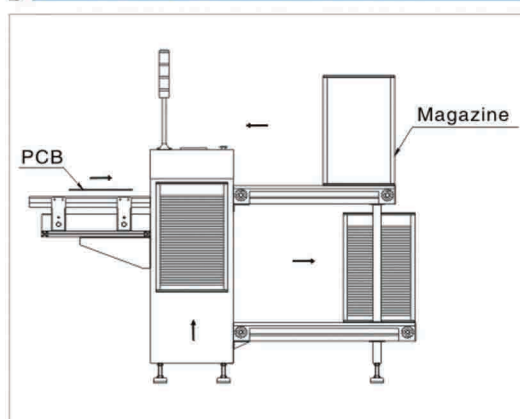
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 步距可分为四种(10,20,30,40mm)
- ※ 可放置两个料架
- ※ 具有防卡板特殊防呆结构
- ※ 方向可选取从左至右或右至左
- ※ 标准配备信号, 可与其他设备进行在线接
- PCL control system
- LED TFT touch screen control panel
- Four step pitches selection(10, 20, 30, 40mm)
- 2 magazines loading capability
- With the special structure of anti clamping plate and foolproof
- Direction from left to right or right to left(option)Standard
- Standard SMEMA



技术参数 Technique Parameter

Loading time	around 6s
Magazine changing time	around 30s
Voltage and load	100-230V AC(customize available). one-phase, max 300V
Air press and flow rate	4-6 bar, $\leq 10L/min$
Conveyor height	920 $\pm$ 20mm(customize available)
Transfer direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB thickness	$\geq 0.4mm$
Magazine Qty	2 Material Box
Step	1-4(10mm gap)

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-250ULD	HY-330ULD	HY-390ULD
PCB Size (L*W) - (L*W)	(50*50) ~ (350*250)	(50*50) ~ (455*330)	(50*50) ~ (530*390)
Machine Size (L*W*H)	1700*780*1200	1900*860*1200	2200*920*1200
Magazine Size (L*W*H)	355*320*565	460*400*565	535*460*565
Weight	Approx.160kg	Approx.200kg	Approx.240kg

PCB NG/OK Unloader

■ NG/OK收板机

此设备用于AOI后面,本机通过接收AOI信号后自动把NG和OK板自动分开储存

This machine is used to store NG and OK separately and automatically boards after receiving signal from AOI.

特点 Features

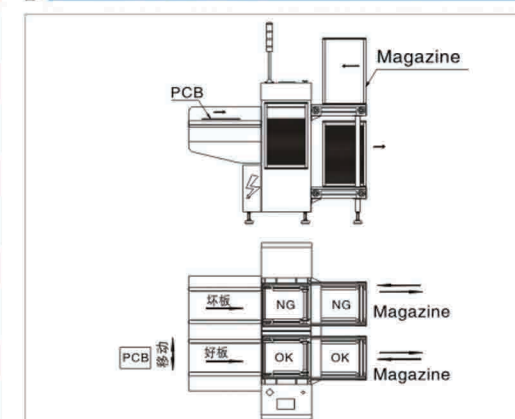
- ※ 结实和稳定的设计
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 具有防卡板特殊防呆结构
- ※ 自动存放OK/NG PCB板
- ※ 连接于AOI的后面,分离生产线上的好板和坏板
- ※ 标准配备信号, 可与其他设备进行在线接驳
- Strong and stable mechanical design
- PCL control system
- LED TFT touch screen control panel
- With the special structure of anti clamping plate and foolproof
- Automatic storage of OK/NG PCB
- Connections on the back of the AOI to separate the good board and bad board on production line
- Standard SMEMA



技术参数 Technique Parameter

Loading time	around 6s
Magazine changing time	around 30s
Voltage and load	100-230V AC(customize available). one-phase, max 300V
Air press and flow rate	4-6 bar, $\leq 10L/min$
Conveyor height	920 $\pm$ 20mm(customize available)
Transfer direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB thickness	$\geq 0.4mm$
Magazine Qty	2 Material Box
Step	1-4(10mm gap)

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-250 OK/NG ULD
PCB Size (L*W) - (L*W)	(50*50) ~ (350*250)
Machine Size (L*W*H)	1460*1500*1200
Magazine Size (L*W*H)	355*320*565
Weight	Approx.210kg

Automatic Dual Track Unloader

双轨收板机

此设备用于双轨SMT线后端,将已加工完成的线路板分开收集

This machine is used at the back-end of dual track SMT line, to collect the processed pcbs sepately.

特点 Features

- ※ 结实和稳定的设计
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 具有防卡板特殊防呆结构
- ※ 自动存放OK/NG PCB板
- ※ 连接于AOI的后面,分离生产线上的好板和坏板
- ※ 标准配备信号,可与其他设备进行在线接驳

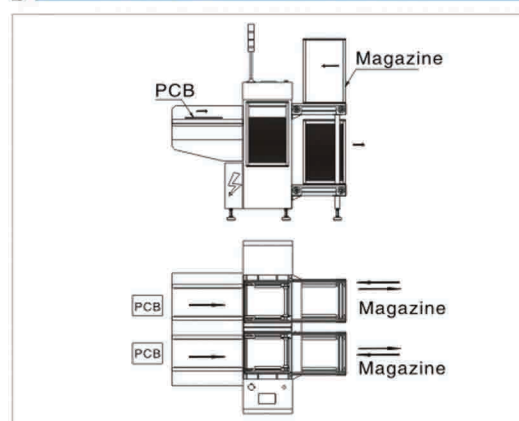
- Strong and stable mechanical design
- PCL control system
- LED TFT touch screen control panel
- With the special structure of anti clamping plate and foolproof
- Automatic storage of OK/NG PCB
- Connections on the back of the AOI to separate the good board and bad board on production line
- Standard SMEMA



技术参数 Technique Parameter

Loading time	around 6s
Magazine changing time	around 30s
Voltage and load	100-230V AC(customize available).one-phase, max 300V
Air press and flow rate	4-6 bar, $\approx 10\text{L/min}$
Conveyor height	920 $\pm$ 20mm(customize available)
Transfer direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB thickness	$\approx 0.4\text{mm}$
Magazine Qty	2 Matarial Box
Step	1-4(10mm gap)

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-250 Dual Rail ULD
PCB Size(L*W)-(L*W)	(50 $\times$ 50)~(350 $\times$ 250)
Machine Size(L*W*H)	1460 $\times$ 1500 $\times$ 1200
Magazine Size(L*W*H)	355 $\times$ 320 $\times$ 565
Weight	Approx.210kg

OK/NG Dual Track Unloader

NG/OK双轨收板机

此设备用于AOI后面,本机通过接收AOI信号后自动把NG和OK板分开储存

This machine is used after receiving signal from AOI to store the NG and OK pcbs sepately and automatically.

特点 Features

- ※ 结实和稳定的设计
- ※ PLC控制系统, 控制面板为LED真彩触摸屏
- ※ 对应轨道分别可存储50片OK板和10片NG板
- ※ 具有防卡板特殊防呆结构
- ※ 自动存放OK/NG PCB板
- ※ 连接于AOI的后面,分离生产线上的好板和坏板
- ※ 标准配备信号,可与其他设备进行在线接驳

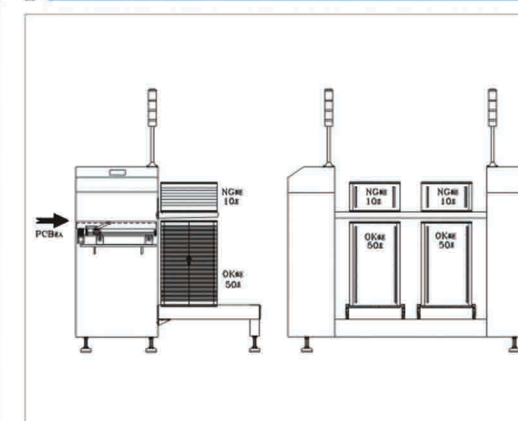
- Strong and stable mechanical design
- PCL control system, LED TFT touch screen control panel
- The corresponding orbit can store 50 pieces OK panels and 10 pieces NG panels
- With the special structure of anti clamping plate and foolproof
- Automatic storage of OK/NG PCB
- Connections on the back of the AOI to separate the good board and bad board on production line
- Standard SMEMA



技术参数 Technique Parameter

Loading time	around 6s
Magazine changing time	around 30s
Voltage and load	100-230V AC(customize available).one-phase, max 300V
Air press and flow rate	4-6 bar, $\approx 10\text{L/min}$
Conveyor height	920 $\pm$ 20mm(customize available)
Transfer direction	Left $\rightarrow$ right or right $\rightarrow$ left
PCB thickness	$\approx 0.4\text{mm}$
Magazine Qty	2 Matarial Box
Step	1-4(10mm gap)

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-250 NG/OK Dual Rail ULD
PCB Size(L*W)-(L*W)	(50 $\times$ 50)~(350 $\times$ 250)
Machine Size(L*W*H)	1250 $\times$ 1430 $\times$ 1200
Magazine Size(L*W*H)	355 $\times$ 320 $\times$ 565
Weight	Approx.210kg

Tiered stacking unloader

■ 层跌式收板机

此设备用于SMT生产线上光板的下板操作

This machine applies to automatic unloading of bare pcbs in product line.

特点 Features

- ※ 收板时间不超过5秒
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 采用T型丝杆顺滑调宽
- ※ 标准配备信号，可与其他设备进行在线接驳
- The lower plate time not exceeding 5 seconds
- PCL control system
- LED TFT touch screen control panel
- Using T screw to adjust the width smoothly
- Standard SMEMA



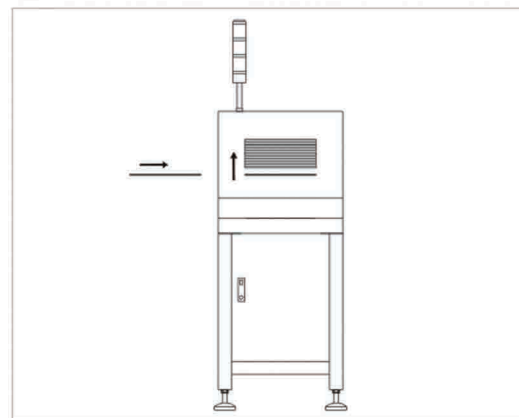
技术参数 Technique Parameter

PCB Volume	200 sheets(1.0mm pcb)
Cycle Time	≤5s
Voltage	100-230V AC (customized available), one-phase
Electrical load	max 300V
Air press	4-6 bar
Flow rate	≤30L/min
Conveyor height	920±20mm(customized available)
Transfer Direction	Left→Right or Right→Left
PCB Thickness	≥4mm

规格参数 Specification Parameter

Model	HY-460 Bare board ULD
PCB Size (L*W) - (L*W)	(50×50) ~ (500×460)
Machine Size (L*W*H)	600×650×1200
Weight	Approx.200kg

操作示意图 Operating Figure



PCB Shuttle conveyor

■ 通用移载机

此设备用于单轨与双轨，不在中心线的双轨与双轨之间过渡衔接

This machine is to link up single rail and dual rail, and single rail and dual rail which is not in the center line.

特点 Features

- ※ 结实和稳定的设计
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 具有一进二出/二进一出/二进二出/直通功能
- ※ 光电感应器控制起始
- ※ 标准配备信号，可与其他设备进行在线接驳
- Strong and stable mechanical design
- PCL control system
- LED TFT touch screen control panel
- With the functions of one into two out/out into one out/two into two out/ pass through directly
- Photoelectric sensor control the starting
- Standard SMEMA



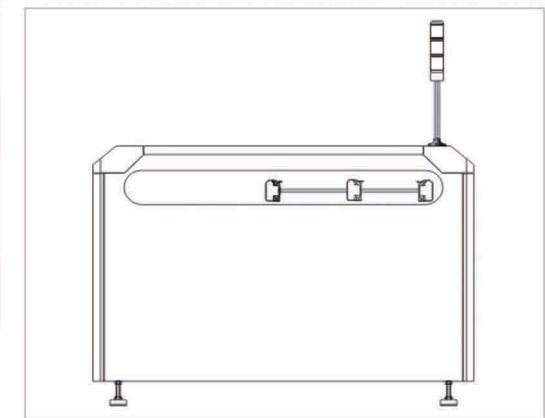
技术参数 Technique Parameter

Voltage and load	100-230V AC (customized available), one-phase, max 300V
Conveyor height	920±20mm(customized available)
Transfer Direction	Left→Right or Right→Left
PCB Thickness	≥4mm

规格参数 Specification Parameter

Model	HY-500Shuttle conveyor
PCB Size (L*W) - (L*W)	(50×50) ~ (500×460)
Machine Size (L*W*H)	600×(1500-4800)×1100
Weight	Approx.150-350kg

操作示意图 Operating Figure



PCB Buffer Stocker

■ 高效缓冲机

此设备用于在SMT机器间起缓冲作用

This machine is a buffer between SMT machines.

特点 Features

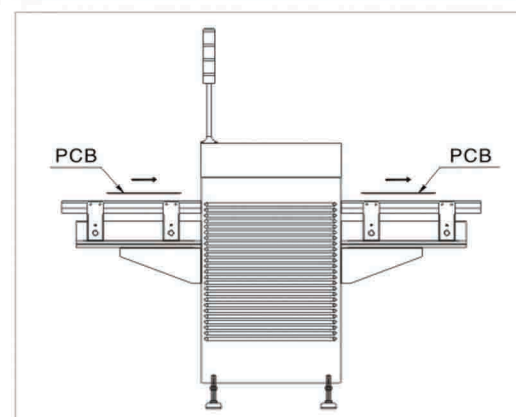
- ※ 结实和稳定的设计
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 先进先出，后进先出,NG/OK和直通操作模式
- ※ 前后自带接驳可根据客户要求可有可无
- ※ 标准配备信号，可与其他设备进行在线接驳
- Strong and stable mechanical design
- PCL control system
- LED TFT touch screen control panel
- Fifo, lifo, NG/OK and direct operating modes
- Conveyor before and after can be optional according to customer requirements
- Standard SMEMA



技术参数 Technique Parameter

Voltage and load	100-230V AC (customized available), one-phase, max 300V
Air press and flow rate	4-6 bar, ≤10L/min
Conveyor height	920±20mm (customized available)
Transfer Direction	Left→Right or Right→Left
PCB Thickness	≥4mm
Step	1-4 (10mm gap)
Boards volume	20PCS

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-250Buffer	HY-390Buffer
PCB Size (L*W) - (L*W)	(50×50) ~ (400×250)	(50×50) ~ (500×390)
Machine Size (L*W*H)	500×920×1200	600×920×1200
Weight	Approx.140kg	Approx.180kg

180°Flip Machine

■ 自动翻板机

此设备用于生产线上电路板双面板加工

This machine is used for the processing of double-layer

特点 Features

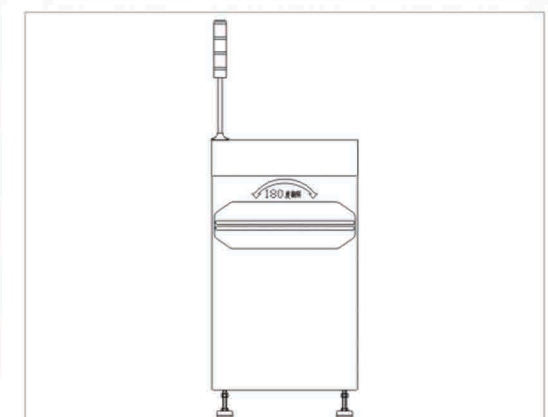
- ※ 结实和稳定的设计
- ※ 旋转动力改用180度旋转气缸，比传统马达更平稳
- ※ PLC控制系统
- ※ 控制面板为LED真彩触摸屏
- ※ 具有直通功能
- ※ 光电感应器控制起始
- ※ 标准配备信号，可与其他设备进行在线接驳
- Strong and stable mechanical design
- Rotating power switch to 180 - degree rotating cylinder, runs more smoothly than traditional motors
- PCL control system
- LED TFT touch screen control panel
- Pass through function
- Optical sensors to control the starting and ending
- Standard SMEMA



技术参数 Technique Parameter

Cycle Time	about 20s
Voltage and load	100-230V AC (customized available), one-phase, max 300V
Air press and flow rate	4-6 bar, ≤10L/min
Conveyor height	920±20mm (customized available)
Transfer Direction	Left→Right or Right→Left
PCB Thickness	≥4mm

操作示意图 Operating Figure



规格参数 Specification Parameter

Model	HY-460 Inverter
PCB Size (L*W) - (L*W)	(50×50) ~ (500×460)
Machine Size (L*W*H)	600×900×1200
Weight	Approx.140kg

Telescopic Lifting Conveyor

升降伸缩接驳台

此设备用于SMT生产线上提供安全过道
This machine is to provide safe access
for SMT product line.

特点 Features

- ※ 结实及稳定的机械设计
- ※ 控制面板为LED真彩触摸屏
- ※ PLC控制系统
- ※ 可预留出0.6米的过道位置
- ※ 高安全性能，多个光电开关检测过道通过状况
- ※ 标准配备信号，可与其他设备进行在线接驳
- Strong and stable mechanical design
- LED TFT touch screen control panel
- PCL control system
- 0.6 meters can be set aside as the aisle position
- High safety performance, multiple photoelectric switch to detect the corridor through
- Standard SMEMA



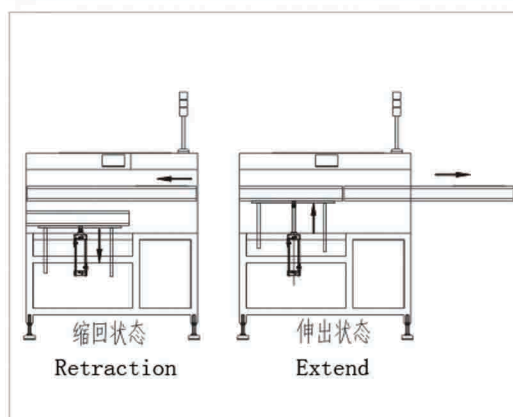
技术参数 Technique Parameter

Cycle Time	about 20s
Voltage	100-230V AC (customized available), one-phase
Electric load	Max 300V
Air press	4-6 bar
Flow rate	≤ 10L/min
Conveyor height	920±20mm (customized available)
Transfer Direction	Left→Right or Right→Left
PCB Thickness	≥ 4mm

规格参数 Specification Parameter

Model	HY-460 Telescopic lifting conveyor
PCB Size (L*W) - (L*W)	(50×50) ~ (500×460)
Machine Size (L*W*H)	1000×1000×1200
Weight	Approx. 200kg

操作示意图 Operating Figure



Conveyor

接驳台

此设备用于SMT机器或电路板装配设备间的操作人员检测台
This machine is the detect table for SMT machines or pcb assembly

特点 Features

- ※ 专用圆弧铝型材导轨设计，美观大方
- ※ 加厚钣金作机架，稳重坚固
- ※ 采用T型丝杆顺滑调宽
- ※ 采用绿色防静电皮带
- ※ 根据客户要求定制机器长度
- ※ 根据客户要求定制停板数量
- ※ 根据客户要求定制照明装备
- ※ 可选用电路板检测模式
- ※ 标准配备信号，可与其他设备进行在线接驳
- Special circular arc aluminum guide design, beauty and generous
- With thick sheet metal rack, sedate solid
- Using T screw to adjust the width smoothly
- Adopt green anti-static belt
- Customize the length of the machine according to customer's requirement
- Customize the quantity of stopping PCB boards according to customer's requirement
- Customize the lighting equipment according to customer's requirement
- Optional circuit board testing mode
- Standard SMEMA



技术参数 Technique Parameter

Width adjustment	50-460mm
Conveyor height	920±20mm (customized available)
Transfer Direction	Left→Right or Right→Left
Machine Size (L*W)	L (customized) * W895

规格参数 Specification Parameter

Model	HY-460 - (L) conveyor
PCB Size (L*W) - (L*W)	(50×50) ~ (500×460)
Machine Size (L*W*H)	(0.5-1.5M) × 895 × 930
Weight	Approx. 100kg

Dual Track Conveyor

双轨接驳台

此设备用于SMT机器或电路板装配设备间的操作人员检测台
This machine is the detect table for SMT machines or pcb assembly

特点 Features

- ※ 专用圆弧铝型材导轨设计，美观大方
- ※ 加厚钣金作机架，稳重坚固
- ※ 采用T型丝杆顺滑调宽
- ※ 采用绿色防静电皮带
- ※ 根据客户要求定制机器长度
- ※ 根据客户要求定制停板数量
- ※ 根据客户要求定制照明装备
- ※ 可选用电路板检测模式
- ※ 标准配备信号，可与其他设备进行在线接驳
- Special circular arc aluminum guide design, beauty and generous
- With thick sheet metal rack, sedate solid
- Using T screw to adjust the width smoothly
- Adopt green anti-static belt
- Customize the length of the machine according to customer's requirement
- Customize the quantity of stopping PCB boards according to customer's requirement
- Customize the lighting equipment according to customer's requirement
- Optional circuit board testing mode
- Standard SMEMA



技术参数 Technique Parameter

Width adjustment	50-460mm
Conveyor height	920±20mm (customized available)
Transfer Direction	Left→Right or Right→Left
Machine Size (L*W)	L (customized) * W1360

规格参数 Specification Parameter

Model	HY-460 - (L) Dual Rail conveyor
PCB Size (L*W) - (L*W)	(50×50) ~ (500×460)
Machine Size (L*W*H)	(0.5-1.5M) × 1360 × 930
Weight	Approx. 100kg

插件线案例 PCB Assembly Line Use

功能说明 Features Introduction

- ▶ 适合于各种电子电路板、治具等输送插件线
- ▶ 线体组装便捷，开拆式运输发货方便，使用安全，降低生产搬运、刮花等
- ▶ 线体可配置照明、制冷风扇、作业台板、插座、静电线、气管等
- ▶ Suitable for a variety of electronic circuit boards, fixtures and other transportation pcb.
- ▶ Convenient line assembling, detachable transporting, shipments convenient, safe to use, reduce production handling and scratches, etc.
- ▶ Line body can be configured lighting, cooling fan, work station panels, sockets, static line, and windpipe.

支架材质选择 Fram Material Selection

巨型方管 Huge Square Tube : 40*40、50*50、等 etc
方管厚度 Square Tube Thickness : 1.5mm---3mm厚
铝型材 Aluminum Extrusion : 40*40、50*50、等etc
铝型材厚度 Aluminum Extrusion Thickness : 1.5mm---3mm厚

客户定制选择 Customization Selection

- ▶ 可根据客户制定要求设计线体：长、宽、高的规格尺寸
- ▶ 根据客户生产流程帮客户设计：长、宽、高的规格尺寸
- ▶ 速度选择：(m/min)
- ▶ 负荷重量选择：(kg)
- ▶ Design line length,width,height as customers requirement.
- ▶ Design length,width,height as process.
- ▶ Speed Choice:(m/min)
- ▶ Load Choice:(kg)

动力配置部分选择 Drive Choice

- ▶ 动力大小：汇利兴提供适合设计参数或客户提供建议
- ▶ 速度或比速：客户提供生产速度汇利兴提供适合设计参数
- ▶ 动力品牌选择：客户指定品牌或汇利兴提供品牌参考+Drive
- ▶ Power:By demand.
- ▶ Speed or Ratio: we design or as customers requirement.
- ▶ Brand Choice: Customers decide brand or we provides.



SMT production line program 配线方案图

