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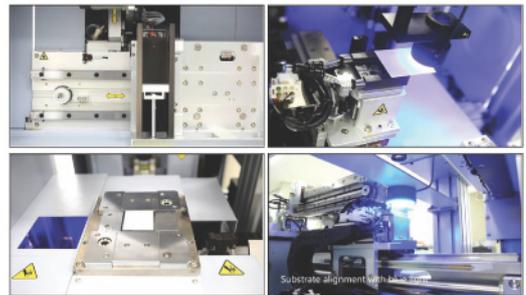
High Performance  
VISION SCREEN PRINTER



Equipment System



Thick Film Resistor  
VISION SCREEN PRINTER



Large Touch Glass & Film Screen Printer



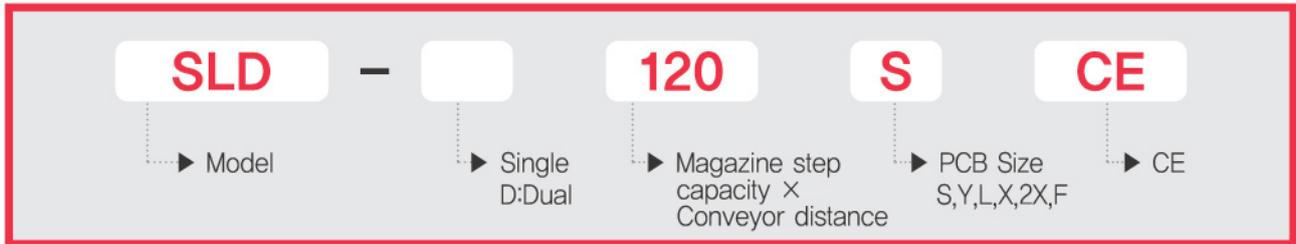
Solar Cell Metallization System





# GLOBAL NO.1

SMT Vision Screen Printer  
 SMT Equipment System  
 Solar Metallization System  
 Thick Film Resistor Vision Screen Printer  
 Large Touch Glass & Film Screen Printer  
 Touch Glass Screen Printer  
 Laser Scriber M/C



- ▶ SLD : Magazine Loader
- ▶ SUD : Magazine Unloader
- ▶ SML : Magazine Multi Loader
- ▶ SMU : Magazine Multi Unloader
- ▶ STL : Magazine 90° Loader
- ▶ STU : Magazine 90° Unloader
- ▶ SLD-D : Dual Magazine Loader
- ▶ SUD-U : Dual Magazine Unloader
- ▶ SIS : SPI & AOI, InLine System
- ▶ SBSF : Vacuum Loader
- ▶ SVL : Vacuum & Cleaning Loader
- ▶ SGC : Gate Conveyor
- ▶ SGC-D : Dual Gate Conveyor
- ▶ SXC : Standard Transfer
- ▶ SWT : Work Table
- ▶ SWT-D : Dual Work Table
- ▶ SCC : Connecting Conveyor
- ▶ SCC-D : Dual Connecting Conveyor
- ▶ SCL : Cooling Conveyor
- ▶ SCL-D : Dual Cooling Conveyor
- ▶ SCW : Cooling & Work Conveyor
- ▶ SRB : Rack Buffer
- ▶ SMB : Magazine Buffer
- ▶ SSB : SPI & AOI Buffer
- ▶ SSB-D : Dual SPI & AOI Buffer
- ▶ SVT : 180° Vertical Turning Conveyor
- ▶ SHT : 90° Horizontal Turning Conveyor
- ▶ SSC : Slide Conveyor
- ▶ SSC-D : Dual Slide Conveyor
- ▶ SDC : Slide & Dual Connecting Conveyor



# Magazine Loader

**SLD-120**


## 특징

- Error 메시지 표시 및 특수기능키 내장
- Magazine 상하 2중의 완벽한 고정 장치
- Board 투입 Pitch(10mm, 20mm, 30mm, 40mm) 선택의 다양화
- Line 구성에 따라 어떤 장비와도 연결 가능
- YL형은 2열 Ball Screw Up/Down 방식 기본적용(특허 등록)
- Pusher Cylinder 위치 변경 용이
- SMEVA INTERFACE

## Features

- Error message display and special ability key
- Perfect fixing with magazine dual clamp unit
- Various leading pitch 1~4 steps(10m/m, 20m/m, 30m/m, 40m/m)
- Possible to line with various kinds of machine
- YL size double ball screw up down unit(patent application)
- Convenient to change position of pusher cylinder
- SMEVA INTERFACE

## Option

- Safety Cover-CE
- Magazine change overtime(18 seconds)
- Output buffer conveyor
- Up/Down Soft start/Stop(Inverter)
- Touch screen
- Possible to change magazine loading volume
- Prevention function from PCB damage
- Space saving type(90°)

## Specifications

MODEL	PCB SIZE (W)×(L)	MAGAZINE CAPACITY	PCB FEED PITCH	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SLD-120	50×50~250×330	120 UPPER:1 LOWER:2	4 TYPES 10~40mm	900±30mm	AC100~240V 50~60Hz  (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	1170×823×1150	160kg
SLD-120Y	50×50~330×440						1490×840×1150	180kg
SLD-120L	50×50~390×510	1735×890×1150					200kg	
SLD-120X	50×50~460×510	1735×980×1150					210kg	
SLD-120X2	50×50~460×620	1955×980×1150					230kg	
SLD-120F	50×50~460×800	1990×980×1150					240kg	

# Magazine Loader (CE)

**SLD-120CE**


## 특징

- Error 메시지 표시 및 특수기능키 내장
- Magazine 상하 2중의 완벽한 고정 장치
- Board 투입 Pitch(10mm, 20mm, 30mm, 40mm) 선택의 다양화
- Line 구성에 따라 어떤 장비와도 연결 가능
- YL형은 2열 Ball Screw Up/Down 방식 기본적용(특허 등록)
- Pusher Cylinder 위치 변경 용이
- SMEVA INTERFACE

## Features

- Error message display and special ability key
- Perfect fixing with magazine dual clamp unit
- Various leading pitch 1~4 steps(10m/m, 20m/m, 30m/m, 40m/m)
- Possible to line with various kinds of machine
- YL size double ball screw up down unit(patent application)
- Convenient to change position of pusher cylinder
- SMEVA INTERFACE

## Option

- Safety Cover-CE
- Magazine change overtime(18 seconds)
- Output buffer conveyor
- Up/Down Soft start/Stop(Inverter)
- Touch screen
- Possible to change magazine loading volume
- Prevention function from PCB damage
- Space saving type(90°)

## Specifications

MODEL	PCB SIZE (W)×(L)	MAGAZINE CAPACITY	PCB FEED PITCH	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SLD-120CE	50×50~250×330	120 UPPER:1 LOWER:2	4 TYPES 10~40mm	900±30mm	AC100~240V 50~60Hz  (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	1170×653×1650	200kg
SLD-120YCE	50×50~330×440						1490×840×1650	220kg
SLD-120LCE	50×50~390×510	1735×890×1150					240kg	
SLD-120XCE	50×50~460×510	1735×980×1150					250kg	
SLD-120X2CE	50×50~460×620	1955×980×1150					270kg	
SLD-120FCE	50×50~460×800	1990×980×1150					310kg	

## Magazine Unloader

**SUD-120**


### 특징

- Error 메시지 표시 및 특수기능키 내장
- Magazine 상하 2중의 완벽한 고정 장치
- Board 투입 Pitch(10mm, 20mm, 30mm, 40mm) 선택의 다양화
- Line 구성에 따라 어떤 장비와도 연결 가능
- YL형은 2열 Ball Screw Up/Down 방식 기본적용(특허 등록)
- Pusher Cylinder 위치 변경 용이
- SMEMA INTERFACE

### Features

- Error message display and special ability key
- Perfect fixing with magazine dual clamp unit
- Various feeding pitch 1~4 steps(10m/m, 20m/m, 30m/m, 40m/m)
- Possible to line with various kinds of machine
- YL size double ball screw up down unit(patent application)
- Convenient to change position of pusher cylinder
- SMEMA INTERFACE

### Option

- Safety Cover-CE
- Magazine change overtime(18 seconds)
- Up/Down Soft start/Stop(Inverter)
- Touch screen
- Possible to change magazine loading volume
- Prevention function from PCB damage
- Space saving type(90°)

### Specifications

MODEL	PCB SIZE (W)×(L)	MAGAZINE CAPACITY	PCB FEED PITCH	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SUD-120	50×50~250×330	120 UPPER:1 LOWER:2	4 TYPES 10~40mm	900±30mm	AC100~240V 50~60Hz  (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	1670×823×1150	180kg
SUD-120Y	50×50~330×440						2090×840×1150	200kg
SUD-120L	50×50~390×510	120 UPPER:1 LOWER:2					2515×890×1150	220kg
SUD-120X	50×50~460×510						2515×980×1150	240kg
SUD-120X2	50×50~460×620	120 UPPER:1 LOWER:2					2755×980×1150	265kg
SUD-120F	50×50~460×800						2870×980×1150	280kg

## Magazine Unloader (CE)

**SUD-120CE**


### 특징

- Error 메시지 표시 및 특수기능키 내장
- Magazine 상하 2중의 완벽한 고정 장치
- Board 투입 Pitch(10mm, 20mm, 30mm, 40mm) 선택의 다양화
- Line 구성에 따라 어떤 장비와도 연결 가능
- YL형은 2열 Ball Screw Up/Down 방식 기본적용(특허 등록)
- Pusher Cylinder 위치 변경 용이
- SMEMA INTERFACE

### Features

- Error message display and special ability key
- Perfect fixing with magazine dual clamp unit
- Various feeding pitch 1~4 steps(10m/m, 20m/m, 30m/m, 40m/m)
- Possible to line with various kinds of machine
- YL size double ball screw up down unit(patent application)
- Convenient to change position of pusher cylinder
- SMEMA INTERFACE

### Option

- Safety Cover-CE
- Magazine change overtime(18 seconds)
- Up/Down Soft start/Stop(Inverter)
- Touch screen
- Possible to change magazine loading volume
- Prevention function from PCB damage
- Space saving type(90°)

### Specifications

MODEL	PCB SIZE (W)×(L)	MAGAZINE CAPACITY	PCB FEED PITCH	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SUD-120CE	50×50~250×330	120 UPPER:1 LOWER:2	4 TYPES 10~40mm	900±30mm	AC100~240V 50~60Hz  (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	1670×653×1650	220kg
SUD-120YCE	50×50~330×440						2090×840×1650	240kg
SUD-120LCE	50×50~390×510	120 UPPER:1 LOWER:2					2515×890×1650	300kg
SUD-120XCE	50×50~460×510						2515×980×1650	320kg
SUD-120X2CE	50×50~460×620	120 UPPER:1 LOWER:2					2775×980×1650	350kg
SUD-120FCE	50×50~460×800						2870×980×1650	400kg

## Rack Buffer

### SRB-100



#### 특징

- YL형은 2열 Ball Screw Up/Down 방식 기본 적용(특허 출원)
- Board 투입(10mm, 20mm, 30mm, 40mm)선택의 다양화
- Loading, Unloading, Buffer, Pass 등 다양한 기능 제공
- Sensor 미부착
- PCB 적재 매수 24매
- SMEVA INTERFACE

#### Features

- YL size double ball screw up down unit(patent application)
- Various feeding pitch 1~4steps(10m/m, 20m/m, 30m/m, 40m/m)
- Multi-function mode(LOADER, UNLOADER, BUFFER, PASS)
- Without sensor
- PCB loaded 24pcs
- SMEVA INTERFACE

#### Option

- Safety cover-CE
- Sensor adopted type(Incl. PC, Monitor DIE)
- Output buffer conveyer
- PCB Data stackable function
- Cooling fan

#### Specifications

MODEL	PCB SIZE (W)×(L)	PCB FEED PITCH	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SRB-100	50×50~250×330	4 TYPE 10~40mm	900±30mm	AC100~240V 50~60Hz (V,Hz Option)	5.0Kgf/air <sup>2</sup>	860×800×1120	220kg
SRB-100Y	50×50~330×440					1130×854×1120	220kg
SRB-100L	50×50~390×510					1270×914×1120	240kg
SRB-100X	50×50~460×510					1270×984×1120	280kg
SRB-100X2	50×50~460×620					1460×984×1120	300kg
SRB-100F	50×50~510×800					1720×984×1120	360kg

## Magazine Buffer

### SMB-110



#### 특징

- Loading, Unloading, Buffer, Pass 등 다양한 기능 제공
- Board 투입(10mm, 20mm, 30mm, 40mm)선택의 다양화
- SMT, Vision, IMC 등 어떤 장비와도 연결 가능
- Buffer 전, 후 공정의 원활한 수납공간으로 생산성 향상
- SMEVA INTERFACE

#### Features

- Multi-function mode(LOADER, UNLOADER, BUFFER, PASS)
- Various feeding pitch 1~4steps(10m/m, 20m/m, 30m/m, 40m/m)
- It is able to link with any machines(SMT, VISION, IMC)
- Productivity improvement by fluent supply of pre and after process of buffer
- SMEVA INTERFACE

#### Option

- Safety cover-CE
- Magazing change overtime(18 seconds)
- Cooling fan
- Up/Down Soft start/Stop(Inverter)
- Touch screen
- Output buffer conveyer
- Possible to change magazine loading volume

#### Specifications

MODEL	PCB SIZE (W)×(L)	MAGAZING CAPACITY	PCB FEED PITCH	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SMB-110	50×50~250×330	120 UPPER:1 LOWER:1	4 TYPE 10~40mm	900±30mm	AC100~240V 50~60Hz (V,Hz Option)	5.0Kgf/air <sup>2</sup>	1180×1210×1145	260kg
SMB-110Y	50×50~330×440						1285×1390×1145	280kg
SMB-110L	50×50~390×510						1460×1500×1175	300kg
SMB-110X	50×50~460×510						1980×1600×1175	320kg
SMB-110X2	50×50~460×620						1530×1685×1175	340kg

## Vacuum Loader

### SBSF-200



#### 특징

- PCB 상부면 이물질 제거를 위한 Air Blower 기본 제공
- PCB 1.6t 기준 144매 적재 가능
- Lift Base Up/Down 방식으로 작업시간 단축
- PCB 흡착 Point의 편리한 선택(Magnet Pick Up)
- 강력한 PCB 흡착력으로 대형 PCB 대응 가능
- SMEMA INTERFACE

#### Features

- Offers air blower for removing dust on top surface of PCB
- It is possible to load 144pcs of PCB(1.6t)
- Working hour shortening by lift base up/down way
- Handy selection of PCB absorption point(Magnet Pickup)
- Strength to inhale weight PCB a match
- SMEMA INTERFACE

#### Option

- CE
- Touch screen
- Function to adjust width automatically

#### Specifications

MODEL	PCB SIZE (W)×(L)	PCB CAPACITY	PCB INPUT HEIGHT	PCB INPUT HEIGHT	AIR	DIMENSION (L×W×H)	WEIGHT
SBSF-200	50×50~250×330	PCB 1.0T	900±30mm	AC100~240V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	900×730×1290	200kg
SBSF-200Y	50×50~330×440	230 PIECES				1000×830×1290	220kg
SBSF-200L	50×50~390×510	PCB 1.6T				1190×980×1290	260kg
SBSF-200X	50×50~460×510	144 PIECES				1190×1050×1290	280kg
SBSF-200X2	50×50~460×620	PCB 1.6T				1100×1050×1290	270kg
SBSF-200F	50×50~460×800	144 PIECES				1170×1050×1290	290kg

## Vacuum & Cleaning Loader

### SVL-200



#### 특징

- Roll, Brush로 이물질 제거
- 저소음, 강한 흡입력으로 미세 먼지도 포집
- 이온 아이저 광역제전과 완벽한 정전기 제거

#### Features

- Removing dust with roll brush
- Get rid of smallest dust with low noise and strong absorption
- Removes static electricity with ionizer

#### Option

- CE
- Touch screen
- Function to adjust width automatically

#### Specifications

MODEL	PCB SIZE (W)×(L)	PCB CAPACITY	PCB INPUT HEIGHT	PCB INPUT HEIGHT	AIR	DIMENSION (L×W×H)	WEIGHT
SVL-200	50×50~250×330	PCB 1.0T	900±30mm	AC100~240V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	900×730×1290	220kg
SVL-200Y	50×50~330×440	230 PIECES				1000×830×1290	240kg
SVL-200L	50×50~390×510	PCB 1.6T				1190×980×1290	280kg
SVL-200X	50×50~460×510	144 PIECES				1190×1050×1290	300kg
SVL-200X2	50×50~460×620	PCB 1.6T				1100×1050×1290	290kg
SVL-200F	50×50~460×800	144 PIECES				1170×1100×1290	310kg

# Magazine Multi Loader / Unloader

## SML-120Y



### 특징

- 2가지 Model의 Magazine을 공용
- Error 메시지 표시 및 특수기능키 내장
- Magazine 상하 2종의 완벽한 고정 장치
- Board 투입 Pitch(10mm, 20mm, 30mm, 40mm) 선택의 다양화
- Line 구성에 따라 어떤 장비와도 연결 가능
- 2열 Ball Screw Up/Down 방식 기본적용(특허 등록)
- Pusher Cylinder 위치 변경 용이
- SMEVA INTERFACE
- 선택 스위치를 이용한 편리한 Model 변경

### Features

- Uses 2 different magazine models
- Error message display and special ability key
- Perfect fixing with magazine dual clamp unit
- Various feeding pitch 1~4steps(10m/m, 20m/m, 30m/m, 40m/m)
- Possible to line with various kinds of machine
- Double ball screw up down unit(patent application)
- Convenient to change position of pusher cylinder
- SMEVA INTERFACE
- Easy to change model by using selector switch

### Option

- Safety cover-CE
- Magazine change overtime(18 seconds)
- Output buffer conveyor
- Up/Down Soft start/Stop(Inverter)
- Touch screen
- Space saving type(90°)
- Prevention function from PCB damage
- Possible to change magazine loading volume

## SMU-120Y



### Specifications

MODEL	TYPE	PCB SIZE (W)×(L)	MAGAZINE CAPACITY		PCB FEED PITCH	PCB INPUT HEIGHT	MULTI LOADER DIMENSION (L×W×H)	WEIGHT	MULTI UNLOADER DIMENSION (L×W×H)	WEIGHT
SML-120Y	SL	50×50~250×330	120	UPPER:1 LOWER:2	4 TYPES 10~40mm	900±30mm	1510×880×1150	230kg	2090×840×1140	260kg
SMU-120Y	YL	50×50~330×440		UPPER:1 LOWER:2			1735×880×1150	260kg	2515×888×1160	290kg
SML-120L	SL	50×50~250×330	120	UPPER:1 LOWER:2			1735×980×1150	280kg	2520×980×1150	320kg
SML-120L	LL	50×50~390×510		UPPER:1 LOWER:2			1815×980×1150	300kg	2755×980×1150	340kg
SML-120X	SL	50×50~250×330	120	UPPER:1 LOWER:2			1990×980×1150	340kg	2870×980×1150	370kg
SMU-120X	XL	50×50~460×510		UPPER:1 LOWER:2						
SML-120X2	SL	50×50~250×330	120	UPPER:1 LOWER:2						
SMU-120X2	2XL	50×50~460×620		UPPER:1 LOWER:2						
SML-120F	SL	250×330~510×800	120	UPPER:1 LOWER:2						
SMU-120F	FL	460×800~510×800		UPPER:1 LOWER:2						

## SPI & AOI Buffer

### SSB-200



#### 특징

- Buffer 전, 후 공정의 원활한 수납 공급으로 생산성 향상
- SPI, AOI와 In Line 구성을 효율적인 솔루션 제공
- Loading, Unloading, Buffer, Pass 등 다양한 기능 제공
- PCB 적재 및 공급시 부품의 흔들림을 최소화
- 선입 선출 기능 및 PCB 데이터 저장 기능
- 기어에 의한 벨트 구동방식으로 PCB 이송

#### Features

- Productivity improvement by fluent supply of pre and after process of buffer
- Provided effectiveness solution to be SPI, AOI and In-line
- Multi-function mode(LOADING, UNLOADING, BUFFER, PASS)
- Minimized shaking of parts during PCB stack or supply
- Function of "First-in", "First-out" and PCB data preservation
- Transfer PCB to belt type by gear

#### Option

- Safety cover-CE
- Output buffer conveyer
- 2 Stage conveyer
- Cooling fan
- Air conditioner
- Up/Down, Soft start/Stop(Inverter)
- Dual line buffer
- Possible to change loading volume(maximum 15pcs)

### SSB-D200



#### Specifications

MODEL	PCB SIZE (W)×(L)	PCB CAPACITY	PCB INPUT HEIGHT	PCB INPUT HEIGHT	AIR	DIMENSION (L×W×H)	WEIGHT
SSB-200	50×50~250×330	10 PCS	900±30mm	AC100~240V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	850×890×1660	250kg
SSB-200Y	50×50~330×440					1100×1010×1660	280kg
SSB-200L	50×50~390×510					1200×975×1660	320kg
SSB-200X	50×50~460×510					1200×1050×1660	350kg
SSB-200X2	50×50~460×620					1440×1050×1660	380kg

## Gate Conveyor

**SGC-500**


### 특징

- Line의 중간 통로 확보로 작업 이동 거리의 최적화
- 안전 Switch 및 Area Sensor 부착으로 2중의 안정성 확보
- 이동통로 최소 500mm 확보
- SMEVA INTERFACE

### Features

- Optimize the transfer distance with line center exit
- Higher security with safety switch & safety sensor
- Center space(minimum 500mm) is opened
- SMEVA INTERFACE

### Option

- Safety cover-CE
- ESD Cover
- With timer
- Space saving type(Dual sliding)
- Conveyor speed control
- Variable center space
- Tower lamp
- Function to adjust width automatically

### Specifications

MODEL	PCB SIZE (W)×(L)	GATE WAY	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SGC-500	50×50~250×330	500mm	900±30mm	AC100~240V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	1400(500)×720×1020	160kg
SGC-500Y	50×50~330×440					1400(600)×800×1020	180kg
SGC-500L	50×50~390×510					1400(500)×870×1020	200kg
SGC-500X	50×50~460×800					1400(500)×940×1020	220kg

## 90° Loader / Unloader

**STL/STU-120**


### 특징

- Error 메시지 디스플레이 및 특수 기능 Key 내장형
- Magazine 상하 각각 2중의 완벽한 고정장치
- Board 투입 Pitch(10mm, 20mm, 30mm, 40mm)
- Line 구성에 따라 어떤 장비와도 연결 가능

### Features

- Error message display and special ability key
- Perfect fixing with magazine dual clamp unit
- Various feeding pitch 1~4steps(10m/m, 20m/m, 30m/m, 40m/m)
- Possible to line with various kinds of machine

### Option

- Safety cover-CE
- Magazing change overtime(18 seconds)
- Output buffer conveyor

### Specifications

MODEL	PCB SIZE (W)×(L)	MAGAZINE CAPACITY		PCB FEED PITCH	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
STU-120	50×50~250×330	120	UPPER:1 LOWER:2	4 TYPES 10~40mm	900±30mm	AC100~240V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	1125×1520×1210	260kg
STU-120Y	50×50~330×440							1230×1870×1210	280kg
STU-120L	50×50~390×510							1400×2080×1210	300kg
STU-120X	50×50~460×510							1400×2150×1210	320kg
STU-120X2	50×50~460×620							1600×2150×1210	340kg

## Vertical Turning Conveyor

**SVT-180**


### 특징

- Dual Air Cylinder에 의한 부드러운 반전
- 쇼바 장치에 의한 충격 흡수
- Turning시 안전 센서 및 안전 커버 부착
- SMEMA INTERFACE

### Features

- Smooth retroversion with Dual Air Cylinder
- Shock absorber with snubber
- Safety sensor and cover during turning
- SMEMA INTERFACE

### Option

- Subsidiary conveyor depends on the line process
- Touch screen
- Output buffer conveyor

### Specifications

MODEL	PCB SIZE (W)×(L)	CONTROL MODE	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SVT-180	50×50~250×330	WORK / PASS AUTO / MANUAL	900±30mm	AC100~240V 50~60Hz  (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	420×785×1230	100kg
SVT-180Y	50×50~330×440					580×865×1230	120kg
SVT-180L	50×50~390×510					590×825×1230	140kg
SVT-180X	50×50~460×510					590×995×1245	160kg

## Horizontal Turning Conveyor

**SHT-90**


### 특징

- Air Cylinder에 의한 부드러운 반전
- 쇼바 장치에 의한 충격 흡수
- Turning시 안전을 위한 안전센서 및 안전커버 부착
- SMEMA INTERFACE

### Features

- Smooth retroversion with Air Cylinder
- Shock absorber with snubber
- Safety sensor and cover during turning
- SMEMA INTERFACE

### Option

- Subsidiary conveyor depends on the line process
- Touch screen
- Function to adjust width automatically

### Specifications

MODEL	PCB SIZE (W)×(L)	CONTROL MODE	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SHT-90	50×50~250×330	AUTO / MANUAL	900±30mm	AC100~240V 50~60Hz  (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	570×570×1100	120kg
SHT-90Y	50×50~330×440					680×680×1100	150kg
SHT-90L	50×50~390×510					810×810×1100	190kg
SHT-90X	50×50~460×510					810×810×1100	190kg
SHT-90X2	50×50~460×620					900×900×1100	220kg

## Slide Conveyor

**SSC-500**


### 특징

- 컨베이어 길이 & Slide Stroke 다양하게 대응
- 작업 공정에 따라 Slide 수량 변경
- 주문방식에 따라 PCB In1/Out1,Out2, In2/Out1,Out2 위치 제어
- Single/Dual SMEMA INTERFACE
- A/AB/B Mode 선택 가능
- ESD 안전 커버

### Features

- Various conveyor distance & slide stroke
- Changeable slide depends on working process
- Control position of PCB In1/Out1,Out2, In2/Out1,Out2 depends on order specification
- Single/Dual SMEMA INTERFACE
- A/AB/B Mode selectable
- ESD safety cover

### Option

- Conveyor speed adjustable
- Touch screen
- CE

### Specifications

MODEL	PCB SIZE (W)×(L)	① ④ 기준	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SSC-500	50×50~250×330	630mm	900±30mm	AC100~220V	5.0Kgf/cm <sup>2</sup>	500×1300×1020	160kg
SSC-900	50×50~330×800	686mm		50~60Hz(V,Hz Option)		900×1370×1020	200kg

## Dual Slide Conveyor

**SDC-900**


### 특징

- 컨베이어 길이 & Slide Stroke 다양하게 대응
- 작업 공정에 따라 Slide 수량 변경
- 주문방식에 따라 PCB In1/Out1,Out2, In2/Out1,Out2 위치 제어
- Single/Dual SMEMA INTERFACE
- A/AB/B Mode 선택 가능
- ESD 안전 커버

### Features

- Various conveyor distance & slide stroke
- Changeable slide depends on working process
- Control position of PCB In1/Out1,Out2, In2/Out1,Out2 depends on order specification
- Single/Dual SMEMA INTERFACE
- A/AB/B Mode selectable
- ESD safety cover

### Option

- Conveyor speed adjustable
- Touch screen
- Cooling fan adjustable
- Stopper
- CE

### Specifications

MODEL	PCB SIZE (W)×(L)	CONTROL MODE	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SDC-900	50×50~340×800	AUTO / MANUAL A / AB / B	900±30mm	AC100~220V	5.0Kgf/cm <sup>2</sup>	1800×1370×1020	250kg
SDC-900	50×50~340×800			50~60Hz (V,Hz Option)		1800×1370×1020	300kg

## Cooling Conveyor

**SCL-900**


### 특징

- 컨베이어 속도 조절 기능
- Cooling Fan 각도 조절 기능
- 타이머 부착
- 상부 Cooling Fan 쇼바 장착하여 위로 Open 가능
- 하부 Cooling Fan 배출 가능
- Cooling Fan 자동/수동, On/Off 기능
- 고열벨트 사용(벨트 표면 테프론실 박음 처리)
- SMEMA INTERFACE

### Features

- Conveyor speed adjustable
- Cooling fan angle adjustable
- With timer
- Possible to open upper cooling fan by snubber
- Possible to open lower cooling fan
- Cooling fan automatic/manual, on/off
- High heating belt with teflon treatment
- SMEMA INTERFACE

### Option

- Possible to build for conveyor distance depends on line setting
- Dual line
- Changeable distance depends on waiting PCB(double motion, stopper)
- Function to adjust width automatically

### Specifications

MODEL	PCB SIZE (W)×(L)	CONTROL MODE	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SCL-900	50×50~250×330	WORK / PASS AUTO / MANUAL	900±30mm	AC100~220V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	900×580×1020	100kg
SCL-900Y	50×50~330×440					600×680×1020	110kg
SCL-900L	50×50~390×510					600×740×1020	120kg
SCL-900X	50×50~460×800					900×790×1020	130kg
SCL-910F	50×50~510×800					600×830×1020	150kg

## Cooling & Work Table

**SCW-1500**


### 특징

- 컨베이어 속도 조절 기능
- 다양한 작업 Mode(AUTO, PASS, MANUAL)
- PCB Size에 따라 선택 사용 가능한 냉각팬
- Cooling Fan 각도 조절 장치
- 고열벨트 사용(벨트 표면 테프론실 박음 처리)
- SMEMA INTERFACE
- PCB 정지 위치 변경 용이

### Features

- Conveyor speed adjustable
- Multi working mode(AUTO, PASS, MANUAL)
- Selectable cooling fan depends on PCB size
- Cooling fan angle adjustable
- High heating belt with teflon treatment
- SMEMA INTERFACE
- Convenient to change PCB stop position

### Option

- Possible to build for conveyor distance depends on line setting
- Dual line
- Changeable distance depends on waiting PCB(double motion, stopper)
- Function to adjust width automatically

### Specifications

MODEL	PCB SIZE (W)×(L)	CONTROL MODE	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SCW-1500	50×50~250×330	WORK / PASS AUTO / MANUAL	900±30mm	AC100~220V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	1500×600×1030	120kg
SCW-1500Y	50×50~330×440					1500×700×1030	135kg
SCW-1500L	50×50~390×510					1500×760×1030	145kg
SCW-1500X	50×50~460×800					1500×810×1030	155kg
SCW-1500F	50×50~510×800					1500×850×1030	165kg

## Connecting Conveyor

### SCC-900



#### 특징

- 컨베이어 속도 조절 기능(선택)
- 다양한 작업 Mode(AUTO, PASS, MANUAL)
- PCB 정지 위치 변경의 용이성
- SMEMA INTERFACE

#### Features

- Conveyor speed adjustable
- Multi working mode(AUTO, PASS, MANUAL)
- Changeable PCB stop position
- SMEMA INTERFACE

#### Option

- Dual line
- Function to adjust width automatically
- ESD Safety cover
- Added PCB buffer section(Stopper or Individual drive)
- Possible to build for conveyor distance depends on line setting

#### Specifications

MODEL	PCB SIZE (W)×(L)	CONTROL MODE	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SCC-900	50×50~250×330	WORK / PASS AUTO / MANUAL	900±30mm	AC100~220V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	900×580×925	80kg
SCC-900Y	50×50~330×440					900×680×925	90kg
SCC-900L	50×50~390×510					900×740×925	100kg
SCC-900X	50×50~460×800					900×790×925	110kg
SCC-900F	50×50~510×800					900×830×925	120kg

## Work Table

### SWT-900



#### 특징

- 컨베이어 속도 조절 기능
- 다양한 작업 Mode(AUTO, PASS, MANUAL)
- PCB 정지 위치 변경의 용이성
- SMEMA INTERFACE
- 부품 거치대 포함

#### Features

- Conveyor speed adjustable
- Multi working mode(AUTO, PASS, MANUAL)
- Changeable PCB stop position
- SMEMA INTERFACE
- Including part rack

#### Option

- Dual line
- Function to adjust width automatically
- ESD Safety cover
- Added PCB buffer(Stopper or Individual drive)
- Possible to build for conveyor distance depends on line setting

#### Specifications

MODEL	PCB SIZE (W)×(L)	CONTROL MODE	PCB INPUT HEIGHT	POWER SUPPLY	AIR	DIMENSION (L×W×H)	WEIGHT
SWT-900	50×50~250×330	WORK / PASS AUTO / MANUAL	900±30mm	AC100~220V 50~60Hz (V,Hz Option)	5.0Kgf/cm <sup>2</sup>	900×600×1630	90kg
SWT-900Y	50×50~330×440					900×700×1630	100kg
SWT-900L	50×50~390×510					900×760×1630	110kg
SWT-900X	50×50~460×800					900×810×1630	120kg
SWT-900F	50×50~510×800					900×850×1630	130kg
SWT-1000F	50×50~510×800					1000×850×1630	140kg

# PANNEL ERROR CODE & SPECIFIC FUNCTIONS



## Solutions to Error Code

CODE	ERROR	Solutions	Cause of Failure
E1	Emergency stop	RESET after Emergency stop	The emergency stop switch is operated.
E2	EMPTY	Inject M/G to the top(lower) end of CV	M/G CONV has not M/G.
E3	Forward PUSHER	Check PCB jam or the status of the CYL' sensor	Air is not supplied. The status of M/G is abnormal. PUSHER sensor is damaged.
E4	Reverse PUSHER	Check the status of the CYL' UNIT or the CYL' sensor	Air is not supplied. The status of M/G is abnormal. Sensor is damaged. PUSHER UNIT is damaged or inferior
E5	FULL	Remove M/G from the top(lower) and CV.	M/G is not removed from M/G CONV'. Light transmittable sensor at the top(lower) end is inferior.
E6	PITCH	Check the status of pitch count sensor. Check the interface of the U/D moter	Pitch pulse sensor is damaged. UP/DOWN motor is inferior. Ball screw is bent.
E7	UP/DOWN INTERLOCK	Remove the M/G indicated "ON" on interlock sensor	Sensing interlock sensor for protecting M/G. Inferior interlock sensor. Using non-standardized M/G.
E8	M/G forward jam	Check the status of M/G at the lower(top) end CV	Using modified or non-standardized M/G. Interference of clamp cyl caused by the interruption of air supply. Inferiority of clamp CYL' or clamp SOL.
E9	M/G reverse jam	Check the status of M/G at the lower(top) end CV	Using modified or non-standardized M/G. Interference of clamp cyl caused by the interruption of air supply. Inferiority of clamp CYL' or clamp SOL.
EA	PLC DATA	Input dada via the specific function	Auto should be accompanied 3 data i.e.model of the top(lower) end CV, the initial and the final position
EB	PCB forward ERR	Remove PCB at input side of push CV	

※S/W: Switch, CV:Conveyor, CYL:CYLinder, M/G:Magazine

## Specific Functions

SWITCH	Functions	Operation
PITCH	Adjust pitch count	Adjustable for manual mode. In auto mode, setting pitch is displayed as C1, C2, C3 and C4 for 1.5sec.(C1=10mm, C2=20mm, C3=30mm, C4=40mm)
SPECIAL	LAMP TEST	In manual mode, it can be activated at the highest or the lowest position of lift. Pushing it over 10sec make auto-start-reset-change lamp, buzzer, Tower lamp and total count turn on. At this time, the status of various signal lamp can be checked.
SPECIAL	AUTO READY TIME CHECK	In auto mode, the display represents the current layer of magazine in lift and the waiting time for PCB transportation. The waiting time can be displayed up to 99sec. The value more than 99sec is re-counted from 1.
SPECIAL + CHANGE	IN AUTO MODE, SELECTING THE INITIAL AND THE FINAL POSITION OF M/G IN LIFT	In manual mode, Specific layer can be input by pressing special and change simultaneously for 5sec after transporting M/G to specific layer. It is accompanied buzzer sound. The initial position should be selected between 1 and 10. And the final position should be selected between 40 and 50. The default positions are 1 and 50, respectively. If you input 3 and 47, lift takes the first PCB in/out after transporting M/G to the initial position 3. And lift takes M/G out after the position becomes 47. It is useful for using two M/G model included different layers.
CHANGE	IN AUTO MODE, CHANGING OR INJECTION M/G	Pressing change S/W over 2 sec in auto mode, lift ascends/descends automatically and takes M/G out, then it descends/ascends again in order to inject M/G. When lift has no M/G, it ascends/descends to the M/G injection point.
CHANGE	IN MANUAL MODE, PUT LIFT UP/DOWN TO ARBITRARY POSITIONS	In manual mode, use in combination with up/down S/W. It can be shifted to any layer without regard to pitch. Lift ascends/descends by operating UP/DOWN S/W and change with switching on. Switching off "CHANGE S/W" brings lift to stop at the exact position of pulse. It should be used when lift has M/G. Usually, lift with M/G is shifted as the number of pitch by pressing UP/DOWN S/W. And lift without M/G ascends and descends whenever UP/DOWN switch is pressed.

# CUSTOMIZED EQUIPMENT

SMT INSPECTION SYSTEM



INLINE PALLET RETURN CONVEYOR



BARCODE INLINE INSPECTION SYSTEM



MINI CASSETTE LOADER



90° TURNING HORIZONTAL CONVEYOR



180° TURNING VERTICAL CONVEYOR



# CUSTOMIZED EQUIPMENT

COOLING CONVEYOR



SLIDE & DUAL CONNECTING CONVEYOR



COOLING RACK BUFFER



INSPECTION CHAIN CONVEYOR



SLIDE CONVEYOR



DUAL CONNECTING CONVEYOR



# GLOBAL NO.1

Leader for Real Time(SOLDER PASTE INSPECTION)  
3D INSPECTION VISION SCREEN PRINTER

## HP-520SPI

Patent registration : 10-1165747



High Accuracy  
Screen Printer

## HP-520S HP-680S



Bigger Volume Size  
Screen Printer

## HP-850S HP-1000S HP-1300S



Patent registration : 10-1166789

Only for Mobile  
Screen Printer

## HP-350M



High Accuracy & Productivity  
Dual Rail Screen Printer

## HP-350MD



Patent registration : 10-1092990

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## PATENT



Patent 10-0419460



Patent 10-0505314



Patent 10-0505315



Patent 10-0843782



Patent 10-0892001



Patent 10-1000902



Patent 10-1100773



Patent 10-0994199



Patent 10-1165747



Patent 10-1018675



Patent 10-1137995



Patent 10-1075252



Patent 10-1092990



Patent 10-1117321



Patent 10-1137995



Patent 10-1166789



Patent 10-1244226

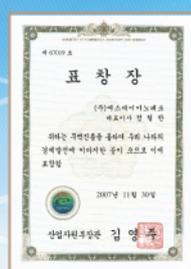


Patent 10-1244228

## CERTIFICATE



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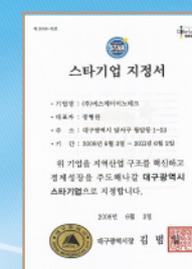
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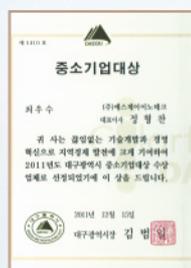
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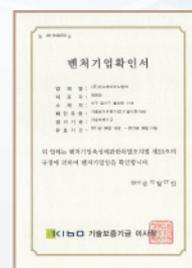
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