

SMT World Wide

Famecs SMT In-Line System

Famecs

Famecs

1987년 설립되어 Loader 및 Unloader 제조를 시작으로, 지난 30여년 간 국내 SMT 및 FA (Factory Automation) 분야에서 다양한 옵션을 제시하며 고객에게 최적의 솔루션을 제공해 왔습니다.

파맥스는 현재 그간 쌓아온 기술과 경험을 바탕으로 고객의 요구를 미리 충족시킬 수 있는 장비를 생산하기 위해 연구개발에 힘쓰고 있습니다. 또한 국내 뿐만 아니라 300 여개의 해외업체와 협력하여 시장상황을 반영하고, 미래의 글로벌 선두주자가 되기 위해 노력하고 있습니다.

파맥스는 고객 중심의 최적화 된 서비스와 최상의 품질을 제공하기 위해 최선을 다하겠습니다.



FAMECS was established in 1987 and started with manufacturing loader and unloader. We have been offering optimized solution for each customer with presenting various options in the SMT and FA (Factory Automation) business over the last 30 years.

We are doing our best on research and development to produce equipment that meets customer's needs with techniques and experiences which have been built up for a long time.

Not only domestically but internationally, we co-operate with about 300 companies from all over the world, reflecting market conditions to become a leading company in the world.

Our goal is offering optimized service and high performance at affordable prices for our partner's success.

Magazine Loader

Famecs SMT In-Line System

This in-line equipment supplies PCBs stacked in the magazine rack to the post processing line by using a pusher.

본장비는 Magazine Rack에 적재된 PCB를 Pusher를 이용하여 후 공정 Line에 자동으로 공급하는 In-Line 장비입니다.

FEATURES

- Prevents the magazine from being warped by the side clamping
- Stand by magazine - Upper : 1EA, Lower : 2EA
- Various pitch for feeding boards (1~4 stage) (10, 20, 30, 40 mm)
- Self-diagnosis by 7 segment
- Can be applied to various use such as SMT and PCB Assembly Line, etc.
- Safety design / Antistatic PC cover / Window
- Improves productivity xwith a stable quality
- Easy operation

- Side Clamping 방식으로 Magazine 틀어짐 방지
- Magazine 대기 (상부 : 1EA, 하부 : 2EA)
- 다양한 Board Feeding Pitch 1~4단 (10, 20, 30, 40 mm)
- 7segment에 의한 자가 진단 기능
- SMT 및 PCB Assembly Line등 용도에 따라 사용 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FL-300E

OPTION

- Auto width adjustment & Pusher Position Adjustment
- LCD Touch Panel
- Dust Remover Ionizer

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Magazine Spec (W × L × H)mm	Dimension (W × L × H)mm	Power
FL-300E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	320 × 355 × 570	860 × 1255 × 1180	AC 220V (Single-phase), 60Hz (Option : AC 110V(Single- phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	320 × 355 × 570 400 × 460 × 570	755 × 1575 × 1180	
	LL	Min : 70 × 70, Max : 390 × 510 (0.5~2.0T)	320 × 355 × 570 450 × 535 × 570	822 × 1850 × 1180	
	XL	Min : 70 × 70, Max : 460 × 510 (0.5~2.0T)	320 × 355 × 570 530 × 535 × 563	892 × 1850 × 1180	

Magazine Loader (CE Type)

Famecs SMT In-Line System

This in-line equipment supplies PCBs stacked in the magazine rack to the post processing line by using a pusher.

본장비는 Magazine Rack에 적재된 PCB를 Pusher를 이용하여 후 공정 Line에 자동으로 공급하는 In-Line 장비입니다.

FEATURES

- Prevents the magazine from being warped by the side clamping
- Stand by magazine - Upper : 1EA, Lower : 2EA
- Various pitch for feeding boards (1~4 stage) (10, 20, 30, 40mm)
- Self-diagnosis by 7 segment
- Can be applied to various use such as SMT and PCB Assembly Line, etc.
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Side Clamping 방식으로 Magazine 틀어짐 방지
- Magazine 대기 (상부 : 1EA, 하부 : 2EA)
- 다양한 Board Feeding Pitch 1~4단 (10, 20, 30, 40 mm)
- 7segment에 의한 자가 진단 기능
- SMT 및 PCB Assembly Line등 용도에 따라 사용 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FL-300CE

OPTION

- Auto width adjustment & Pusher Position Adjustment
- LCD Touch Panel
- Lift Up-Down High Speed
- Dust Remover Ionizer

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Magazine Spec (W × L × H) mm	Dimension (W × L × H) mm	Power
FL-300CE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	20 × 355 × 570	630 × 855 × 1750	AC 220V (Single-phase), 60Hz (Option : AC 110V(Single- phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	320 × 355 × 570 400 × 460 × 570	730 × 975 × 1750	
	LL	Min : 70 × 70, Max : 390 × 510 (0.5~2.0T)	320 × 355 × 570 450 × 535 × 570	770 × 1035 × 1750	
	XL	Min : 70 × 70, Max : 460 × 510 (0.5~2.0T)	320 × 355 × 570 530 × 535 × 563	830 × 1185 × 1750	

Multi Loader (Single Type)

Famecs SMT In-Line System

This in-line equipment supplies bare PCBs to the next process by vacuum suction. It also supplies PCBs stacked in the magazine to the next process line.

본장비는 Bare PCB를 진공 흡착하여 후공정 Line으로 배출하는 공정과 Magazine Rack에 적재된 PCB를 Pusher를 이용하여 후공정 Line에 자동으로 공급하는 In-Line 장비입니다.

FEATURES

- Bare PCB only
- Reduce the loss by supplying PCBs with Lift Up-Down method
- Can be applied to heavy PCBs with strong suction
- Replaceable vacuum pad depending on PCB (6Φ, 8Φ, 10Φ, 12Φ)
- Prevents the magazine from being warped by the side clamping method
- Stand by magazine - Upper : 1EA, Lower : 2EA
- Various pitch for feeding boards (1~4 stage) (10, 20, 30, 40 mm)
- Self-diagnosis by 7 segment
- Can be applied to various use such as SMT and PCB Assembly Line, etc.
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Bare PCB 전용
- Lift Up-Down 방식으로 PCB 공급 방식으로 Loss 단축
- 강한 흡착력으로 중량 PCB 대응 가능
- PCB에 맞는 진공 Pad로 교체 가능 (6Φ, 8Φ, 10Φ, 12Φ)
- Side Clamping 방식으로 Magazine 틀어짐 방지
- Magazine 대기 Upper : 1EA, Lower : 2EA
- 다양한 Board Feeding Pitch 1~4단 (10, 20, 30, 40 mm)
- 7segment에 의한 자가 진단 기능
- SMT 및 P.C.B. Assembly Line등 용도에 따라 사용 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Magazine Spec (W × L × H)mm	Dimension (W × L × H)mm	Power
FMVL-300E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	320 × 355 × 570	860 × 1255 × 1180	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 460 × 510 (0.5~2.0T)	320 × 355 × 570 530 × 535 × 563	892 × 1850 × 1180	



FMVL-300E

OPTION

- Auto width adjustment & Pusher Position Adjustment
- Lift Up-Down High Speed
- Dust Remover Ionizer

Vacuum Loader (Single Type)

Famecs SMT In-Line System

This in-line equipment supplies bare PCBs to the next process by vacuum suction and can be connected with a magazine loader.

본 장비는 Bare PCB를 진공 흡착하여 후 공정 Line으로 배출하는 설비입니다. 본 장비는 Magazine Loader와 구성이 가능한 In-Line 장비입니다.

FEATURES

- Single lane
- Bare PCB only
- Safety cover applied
- Reduce the loss by supplying PCBs with Lift Up-Down method
- Can be applied to heavy PCBs with strong suction
- Replaceable vacuum pad depending on PCB (6Φ, 8Φ, 10Φ, 12Φ)
- Operation part : Button
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Single lane
- Bare PCB 전용
- 안전 Cover 적용
- Lift Up-Down 방식으로 PCB 공급 방식으로 Loss 단축
- 강한 흡착력으로 중량 PCB 대응 가능
- PCB 에 맞는 진공 Pad로 교체 가능 (6Φ, 8Φ, 10Φ, 12Φ)
- 조작부: Button
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편하고 쉬운 운영체제

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Dimension (W × L × H) mm	Power
FVL-800E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	630 × 855 × 1750	AC 220V (Single-phase), 60Hz (Option : AC 110V(Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	730 × 975 × 1750	
	LL	Min : 70 × 70, Max : 390 × 510 (0.5~2.0T)	770 × 1035 × 1750	
	XL	Min : 70 × 70, Max : 460 × 510 (0.5~2.0T)	830 × 1185 × 1750	



FVL-800E

OPTION

- Auto width adjustment
- Non-adjusting pickup pad (Vacuum gripper)
- LCD Touch Panel
- Dual Head / Dual Lift
- Display Board Count

Magazine Unloader

Famecs SMT In-Line System

This in-line equipment loads boards into the magazine by using a pusher.

본 장비는 Pusher를 이용하여 Board를 Magazine에 자동으로 적재하는 In-Line 장비입니다.

FEATURES

- Single-lane
- Prevents the magazine from being warped by the side clamping
- Stand by magazine - Upper : 1EA, Lower : 2EA
- Various pitch for feeding boards (1~4 stage) (10, 20, 30, 40 mm)
- Self-diagnosis by 7 segment
- Can be applied to various use such as SMT and PCB Assembly Line, etc.
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- SINGLE-LANE
- Side Clamping 방식으로 Magazine 뒤틀림 방지
- Magazine 대기 (상부 : 1EA, 하부 : 2EA)
- 다양한 Board Feeding Pitch 1~4단 (10, 20, 30, 40 mm)
- 7segment에 의한 자가 진단 기능
- SMT 및 PCB Assembly Line등 용도에 따라 사용 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FU-300E

OPTION

- Auto width adjustment & Pusher Position Adjustment
- Cooling Fan
- LCD Touch Panel

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Dimension (W × L × H) mm	Power
FU-300E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	835 × 1903 × 1177	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1035 × 2023 × 1177	
	LL	Min : 70 × 70, Max : 390 × 510 (0.5~2.0T)	1115 × 2143 × 1177	
	XL	Min : 70 × 70, Max : 460 × 510 (0.5~2.0T)	1255 × 2423 × 1177	

Magazine Unloader (CE Type)

Famecs SMT In-Line System

This in-line equipment loads boards into the magazine by using a pusher.

본 장비는 Pusher를 이용하여 Board를 Magazine에 자동으로 적재하는 In-Line 장비입니다.

FEATURES

- Prevents the magazine from being warped by the side clamping method
- Stand by magazine - Upper : 1EA, Lower : 2EA
- Various pitch for feeding boards (1~4 stage) (10, 20, 30, 40 mm)
- Self-diagnosis by 7 segment
- Can be applied to various use such as SMT and PCB Assembly Line, etc.
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- SINGLE-LANE
- Side Clamping 방식으로 Magazine 뒤틀림 방지
- Magazine 대기 (상부 : 1EA, 하부 : 2EA)
- 다양한 Board Feeding Pitch 1~4단 (10, 20, 30, 40 mm)
- 7segment에 의한 자가 진단 기능
- SMT 및 PCB Assembly Line등 용도에 따라 사용 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FU-300ALLCE

OPTION

- Auto width adjustment & Pusher Position Adjustment
- Cooling Fan
- LCD Touch Panel

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Dimension (W × L × H) mm	Power
FU-300ALLCE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	890 × 2030 × 1750	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	990 × 2270 × 1750	
	LL	Min : 70 × 70, Max : 390 × 510 (0.5~2.0T)	1070 × 2390 × 1750	
	XL	Min : 70 × 70, Max : 460 × 510 (0.5~2.0T)	1210 × 2670 × 1750	

Cooling Buffer (Dual Type)

Famecs SMT In-Line System

This in-line equipment cools soldered PCBs and connect with the main buffer equipment.

본장비는 Soldering 작업이 완료된 P.C.B.를 에어컨을 이용하여 냉각 시키고 Buffer 기능의 주 장비와의 공간을 연결해주는 In-Line 장비입니다.

FEATURES

- Quick cooling by an air conditioner
- Cooling time setting function
- FIFO (First-In-First-Out), LIFO (Last-In-First-Out) function
- Possible to load boards up to 10ea
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Air Conditioner을 이용한 급속 냉각
- 냉각 시간 설정 기능
- FIFO, LIFO(선입 선출)기능
- Front & Rear각 10EA 적재 가능
- SAFETY DESIG / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FCR-1000AD-20E-AIR

OPTION

- Auto width adjustment

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FCR-1000AD-20E-AIR	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	860 × 1255 × 1180	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	892 × 1850 × 1180	

Cooling Buffer (Dual Type)

Famecs SMT In-Line System

This in-line equipment cools soldered PCBs and connect with the main buffer equipment.

본장비는 Soldering 작업이 완료된 P.C.B.를 냉각 시키고 Buffer 기능의 주 장비와의 공간을 연결해주는 In-Line 장비입니다.

FEATURES

- Cooling by a cooling fan
- Cooling time setting function
- FIFO (First-In-First-Out), LIFO (Last-In-First-Out) function
- Possible to load boards up to 5ea
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Cooling Fan을 이용한 냉각
- 냉각 시간 설정 기능
- FIFO, LIFO(선입 선출)기능
- Front & Rear각 5EA 적재 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FCR-900AD-NE

OPTION

- Auto width adjustment
- Number of Cooling Fan & Conveyor Length

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FCR-900AD-NE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1136 × 890 × 1255	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1336 × 975 × 1255	

Cooling Buffer (Single Type)

Famecs SMT In-Line System

This in-line equipment cools soldered PCBs and connect with the main buffer equipment.

본장비는 Soldering 작업이 완료된 PCB를 냉각 시키고 Buffer 기능의 주 장비와의 공간을 연결해주는 In-Line 장비입니다.

FEATURES

- Cooling by a cooling fan
- Cooling time setting function
- FIFO (First-In-First-Out), LIFO (Last-In-First-Out) function
- Possible to load boards up to 10ea
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Cooling Fan을 이용한 냉각
- 냉각 시간 설정 기능
- FIFO, LIFO(선입 선출)기능
- Board 10EA 적재 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FCRB-1000-10LACE

OPTION

- Auto width adjustment
- Number of Cooling Fan & Conveyor Length

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Dimension (W × L × H) mm	Power
FCRB-800A-10E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	805 × 800 × 1400	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	950 × 1040 × 1400	
FCRB-1000-10LACE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	805 × 1000 × 1400	
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	950 × 1440 × 1400	

Rack NG Buffer (Single Type)

Famecs SMT In-Line System

This in-line equipment cools soldered PCBs and connect with the main buffer equipment.

본장비는 Soldering 작업이 완료된 PCB를 냉각 시키고 Buffer 기능의 주 장비와의 공간을 연결해주는 In-Line 장비입니다.

FEATURES

- Quick cooling by an air conditioner
- Cooling time setting function
- FIFO (First-In-First-Out), LIFO (Last-In-First-Out) function
- Possible to load boards up to 10ea in the front and rear side each
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Air Conditioner을 이용한 급속 냉각
- 냉각 시간 설정 기능
- FIFO, LIFO(선입 선출)기능
- Board 10EA 적재 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FRNB-800A-12E

OPTION

- Auto width adjustment

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FRNB-800A-12E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	805 × 800 × 1550	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1005 × 1040 × 1550	

Magazine Buffer

Famecs SMT In-Line System

This in-line equipment loads PCBs on the magazine after mounting the first side or after mounting both sides and then supplies to the next process. If there's a delay in the post process, it loads on the magazine and then put into the line again by a pusher.

본장비는 양면 생산 시 1차면 실장 후 Magazine 적재 1,2차면 실장 후 다음공정으로 자동 공급해주며, 후 공정에 지체가 발생 시 Magazine에 적재 후 Pusher를 이용하여 다시 Line에 투입 해주는 In-Line 장비입니다.

FEATURES

- Supplying PCBs with Lift Up-Down method can reduce the loss
- Prevents the magazine from being warped by the side clamping
- Stand by magazine - Upper : 1EA, Lower : 1EA
- Various pitch for feeding boards (1~4 stage) (10, 20, 30, 40 mm)
- Self-diagnosis by 7 segment
- Can be applied to various use such as SMT and PCB Assembly Line, etc.
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Lift Up-Down 방식으로 P.C.B.를 적재 및 공급 방식으로 Loss 단축
- Side Clamping 방식으로 Magazine 틀어짐 방지
- Magazine 대기 (상부 : 1EA, 하부 : 2EA)
- 다양한 Board Feeding Pitch 1~4단 (10, 20, 30, 40 mm)
- 7segment에 의한 자가 진단 기능
- SMT 및 P.C.B. Assembly Line등 용도에 따라 사용 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FSMB-200BAPC-RFSNE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1177 × 1277 × 1730	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	783 × 1000 × 1070	



FSMB-200BAPC-RFSNE

OPTION

- Additional cooling fan

Magazine NG Buffer (Single Type)

Famecs SMT In-Line System

This in-line equipment loads defective PCBs returned from an inspector into the magazine rack and passes confirmed products to the next line.

본장비는 검사기에서 반송된 P.C.B.를 Pusher를 이용하여 부적합품은 Magazine Rack에 적재 적합품은 다음 고정 Line으로 통과시키는 In-Line 장비입니다.

FEATURES

- Supplying PCBs with Lift Up-Down method can reduce the loss
- Prevents the magazine from being warped by the side clamping method
- Stand by magazine - Upper : 1EA, Lower : 1EA
- Various pitch for feeding boards (1~4 stage) (10, 20, 30, 40 mm)
- Select 1~5 rack depending on the line setting
- Possible to operate as Loading & Unloading
- Improve efficiency of defective product management
- Self-diagnosis by 7 segment
- Can be applied to various use such as SMT and PCB Assembly Line, etc.
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Lift Up-Down 방식으로 P.C.B.를 적재 및 공급 방식으로 Loss 단축
- Side Clamping 방식으로 Magazine 틀어짐 방지
- Magazine 대기 (상부 : 1EA, 하부 : 2EA)
- 다양한 Board Feeding Pitch 1~4단 (10, 20, 30, 40 mm)
- Line Setting에 따라 1~5 Rack 선택
- Loading & Un Loading으로 운영 가능
- 부적합품 관리의 효율성 증대
- 7segment에 의한 자가 진단 기능
- SMT 및 P.C.B. Assembly Line등 용도에 따라 사용 가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FMNB-200LACE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1279 × 1186 × 1187	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1379 × 1306 × 1670	



FMNB-200LACE

OPTION

- Lift Up-Down High Speed
- Buffer Conveyor
- 180 degree of inverting board

Inverter

Famecs SMT In-Line System

This in-line equipment inverts the PCBs 180 degree and supplies to the next equipment.

본장비는 PCB를 양면 작업을 위해 180° 반전하여 다음 장비로 공급해 주는 In-Line 장비입니다.

FEATURES

- Safety cover applied
- Easy adjustment for the width
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- 안전 Cover적용
- 간편한 폭 조절
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FIT-800E

OPTION

- Auto width adjustment
- Conveyor safety cover
- Motor method for inverting
- Touch Panel

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FIT-800E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	626 × 500 × 1338	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	726 × 620 × 1338	

Inverter

Famecs SMT In-Line System

This in-line equipment inverts the PCBs 180 degree and supplies to the next equipment.

본장비는 PCB를 양면 작업을 위해 180° 반전하여 다음 장비로 공급해 주는 In-Line 장비입니다.

FEATURES

- Increase efficiency in PCB flows by an integral buffer conveyor
- Safety cover applied
- Easy adjustment for the width
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Buffer Conveyor 일체형으로 P.C.B. 흐름에 효율성 증대
- 안전 Cover적용
- 간편한 폭 조절
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FIT-880E

OPTION

- Auto width adjustment
- Conveyor safety cover
- Motor method for inverting
- Touch Panel

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FIT-880E	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	680 × 810 × 1181	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	760 × 1250 × 1245	

Shuttle Conveyor

Famecs SMT In-Line System

This in-line equipment changes the fixed rail between the previous process and the post process.

본 장비는 전 공정 장비와 후 공정 장비간 기준면을 변환 시켜주는 자동
으로 공급해주는 In-Line 장비입니다.

FEATURES

- Accurate positioning by a servo motor
- Universal & SMEMA Interface
- Easy operation by applying the touch panel
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality

- Servo Motor를 이용한 정확한 위치 설정
- Universal & SMEMA Interface
- Touch Panel 적용으로 간편한 조작 방식
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상



FSC-400SAL-DE

OPTION

- Auto width adjustment
- Conveyor length & width

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FSC-400SAL-DE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	2104 × 400 × 995	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	2204 × 550 × 995	

Shuttle Conveyor

Famecs SMT In-Line System

This in-line equipment changes the fixed rail between the previous process and the post process.

본 장비는 전 공정 장비와 후 공정 장비간 기준면을 변환 시켜주는 자동
으로 공급해주는 In-Line 장비입니다.

FEATURES

- Accurate positioning by a servo motor
- Universal & SMEMA Interface
- Easy operation by applying the touch panel
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality

- Servo Motor를 이용한 정확한 위치 설정
- Universal & SMEMA Interface
- Touch Panel 적용으로 간편한 조작 방식
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상



FSC-550SAL

OPTION

- Auto width adjustment
- Conveyor length & width

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FIT-880EFSC-550SAL	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1323 × 400 × 995	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1423 × 550 × 995	

Laser Marking Machine

Famecs SMT In-Line System

This in-line equipment marks characters, serial number and lot number on the PCBs by a laser and then supplies to the next process.

본장비는 Laser로 P.C.B.에 문자, 바코드, 시리얼 번호 LOT 번호 등을 마킹 하여 다음 공정으로 자동으로 공급해주는 In-Line 장비입니다.

FEATURES

- Improve productivity with quick speed marking speed
- Possible to mark on the accurate position by a servo motor
- No need of consumables and semi-permanent
- Marking position can be set every 10 μm
- Possible to mark various codes and images
- Apply to various PCBs by X-Y control
- Manage the lot by MES system
- Door interlock design observing safety standards(JISC2802)
- Available for SMT In-Line & Off-Line
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- 빠른 마킹 속도로 생산성 향상
- Servo Motor를 이용하여 정확한 위치에 마킹 가능
- 소모품이 없고 반영구적 사용 가능
- 고분해 기능으로 마킹 위치를 10μm 단위로 설정
- 각종 CODE 및 이미지 마킹 가능
- X-Y 제어로 다양한 종류의 P.C.B.에 대응 가능
- MES 시스템으로 LOT 관리
- 도어 인터록으로 "방사 안전 기준"(JISC2802)을 준거한 디자인
- SMT In-Line & Off-Line 사용가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식

SPECIFICATION

Model	Type	Board Spec (W × L)mm	Dimension (W × L × H)mm	Power
FLM-800A-FIBER	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1200 × 790 × 1383	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
FLM-1000APEE	S	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1200 × 790 × 1393	



FLM-1000APE



Inkjet Marking Machine

Famecs SMT In-Line System

This in-line equipment marks characters, serial number and lot number on the PCBs by an inkjet and then supplies to the next process.

본장비는 Inkjet으로 P.C.B.에 문자, 시리얼 번호 LOT 번호 등을 마킹 하여 다음 공정으로 자동으로 공급해주는 In-Line 장비입니다.

FEATURES

- Improve productivity with quick speed marking speed
- Possible to mark on the accurate position by a servo motor
- Mark the various codes and images
- Apply to various types of PCBs by X-Y control
- Door interlock design observing JISC2802 safety standards
- Manage the lot by MES system
- Available for SMT In-Line & Off-Line
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- 빠른 마킹 속도로 생산성 향상
- Servo Motor를 이용하여 정확한 위치에 마킹 가능
- 각종 CODE 및 이미지 마킹 가능
- X-Y 제어로 다양한 종류의 P.C.B.에 대응 가능
- 도어 인터록으로 "방사 안전 기준"(JISC2802)을 준거한 디자인
- MES 시스템으로 LOT 관리
- SMT In-Line & Off-Line 사용가능
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Dimension (W × L × H) mm	Power
FIM-600AE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1400 × 640 × 1480	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1500 × 760 × 1480	
FIM-1000AIE	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1400 × 890 × 1378	
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1500 × 1010 × 1378	



FIM-2000AIDPE

Tap Cover System

Famecs SMT In-Line System

This in-line equipment puts PCBs onto the jig and off from the jig and then supplies to the next equipment.

본장비는 JIG 위에 PCB를 안착 및 탈착 시켜 다음 장비로 자동으로 공급해주는 In-Line 장비입니다.

FEATURES

- Fasten and release the jig smoothly by a robot
- Accurate positioning by a servo motor
- Unlimited JIG supply by a rotation conveyor
- Reduce defect rate of board bending by using JIG
- Prevent pollution while soldering
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Robot를 이용한 부드러운 JIG에 안착 & 탈착
- Servo Motor를 이용한 정확한 위치 설정
- Rotation Conveyor를 이용한 JIG 무제한 공급장치
- JIG사용으로 Board 휨 불량률 감소
- Soldering 작업 중 오염 방지
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식



FTJL-800S

FTJU-800S

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Dimension (W × L × H) mm	Power
FTJL-800S	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	2070 × 800 × 1549	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	2170 × 920 × 1549	
FTJU-800S	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	2070 × 800 × 1549	
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	2170 × 920 × 1549	

Jig Clamp System

Famecs SMT In-Line System

This in-line equipment puts PCBs onto the jig and off from the jig and then supplies to the next equipment.

본장비는 JIG 위에 PCB를 안착 및 탈착 시켜 다음 장비로 자동으로 공급해주는 In-Line 장비입니다.

FEATURES

- Fasten and release the jig smoothly by a cylinder
- Accurate positioning by a servo motor
- A sensor applied to prevent inserting inversely
- Reduce defect rate of board bending by using JIG
- Safety design / Antistatic PC cover / Window
- Improves productivity with a stable quality
- Easy operation

- Cylinder를 이용한 부드러운 JIG에 안착 & 탈착
- Servo Motor를 이용한 정확한 위치 설정
- 역삽 방지 센서 적용
- JIG사용으로 Board 휨 불량률 감소
- SAFETY DESIGN / 제전PC COVER / WINDOW
- 안정된 품질로 생산성 향상
- 간편한 조작 방식

SPECIFICATION

Model	Type	Board Spec (W × L) mm	Dimension (W × L × H) mm	Power
FJCL-500AS-AGV	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1330 × 525 × 1220	AC 220V (Single-phase), 60Hz (Option : AC 110V (Single-phase), 50Hz) Air : 5kgf/cm ²
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1430 × 645 × 1220	
FJCU-500AS-AGV	S	Min : 50 × 50, Max : 250 × 330 (0.5~2.0T)	1330 × 525 × 1220	
	L	Min : 70 × 70, Max : 330 × 440 (0.5~2.0T)	1430 × 645 × 1220	



FJCL-500AS-AGV

FJCU-500AS-AGV

OPTION

- AGV JIG Auto Supply
- JIG Bending Checking System