

# F-PRINT MASTER

Full automatic screen printing machine with MIP  
especially designed for thin film printing



F Print Master is the revolutionary machine, which is not only high precision but also high speed, labor saving and efficient.

Conventionally, handling thin film is difficult, therefore, it is hard to achieve precision and productivity together. However, F Print Master is developed to solve those problems.

In the market, Light, Thin, Short, Small, Cheap are demanded, so that the parts have to meet those request as well. And thinner film and larger print are demanded. However, by use of thin film, material cost is lower, but productivity is low due to high rejection rate.

We combine our multipurpose automatic screen printing machine and our unique image processor with our know how. Moreover, although the full automatic machine, it deals the little printing flexibly due to initial stencil alignment [Teaching] (P, PAT), one sided operation, data setting and numerical value registration.

## FEATURE

### Feeder

- Reliable film separation due to rear pick up feeder
- Ion blow to eliminate static electricity
- Reliable delivery due to single drive
- Double sheet detector
- Anti static device and cleaning device

### Printing Machine

- Available wide range of substrate
- Perfect alignment due to MIP
- High speed printing, Max 720 piece/h
- Digital setting and registration for printing data
- One sided operation

## SPECIFICATION FPM-5565-MIP

Max. substrate size	550x650mm
Max. printing area	540x650mm
Min substrate size	300x350mm
Max. substrate thickness	2.5mm
Max. substrate weight	1.0Kg
Squeegee drive	AC servo motor
Squeegee speed	20-500mm/sec
Printing pressure setting	Low printing pressure device
Squeegee stroke	Input numerical value
Squeegee high lift	50mm
Slant squeegee	±3°
Prevention against ink dropping	Ink wiper (PAT)
Fine adjustment of screen frame	±8mm
Fine adjustment method of screen frame	Motor drive
Clearance	Set numerical value
Peel off	Set numerical value
Frame high lift	400mm

Gripper margin	4mm
Operation Board	Hybrid operation board, touch panel and button
Alignment CCD camera	2台
Target coverage	within 20-100mm from substrate edge
Target mark for alignment	Φ1mm 2 place
Registration camera for stencil position	2 cameras
Target mark for stencil	Φ3mm 2 place
Image processing	Refer to separate specification
Power	AC200V 3phases 50A
Air supply	0.4MPa
Air consumption	5L/cycle
Dimension	1800 (W) x3880 (L) x1670 (H) mm
Weight	Approx. 2000Kg



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