Four Posts Shuttle Table Screen Printing Machine

Suitable for high precision printing such as membrane switch, flexible printed circuit (FPC), liquid crystal display (LCD), touch panel, light guide plate (LGP), etc.

Model	Printing area
FP-5575L	550×750
FP-6590L	650×900
FP-7010L	700×1000(mm)

Automatic Roll to Roll Screen Printing Machine

Suitable for a variety of flexible substrates such as PET/ITO, PC, spacer, flexible opto-electronics, flexible display, flexible solar cell, RFID, etc.

Model	Printing area
RF-5060	500×600(mm)

Gravure Offset Printing Machint

Specially for Fine Line printing on ITO/PET, ITO/Glass, etc.
Finest line width possible to reach 5μm for silver paste printing.

Application:

Metal mesh for touch panel sensor, fine line on printed circuit board, fine line for high frequency antenna and etching ink for ITO patterning etc.

Model	GR-1015F	GR-2030F	GR-5050F	GR-2030C	GR-5050C
Printing area	100×150	200×300	500×500	200×300	500×500 (mm)

Squeegee Sharpener

Features:

- Semi-automatic and Automatic type.
- Three models available, squeegee length 70cm, 100cm and 150cm.
- Equipped with strong vacuum to suck dusts.
- Grinding stroke is controlled by motor and touch panel operation in Automatic system.
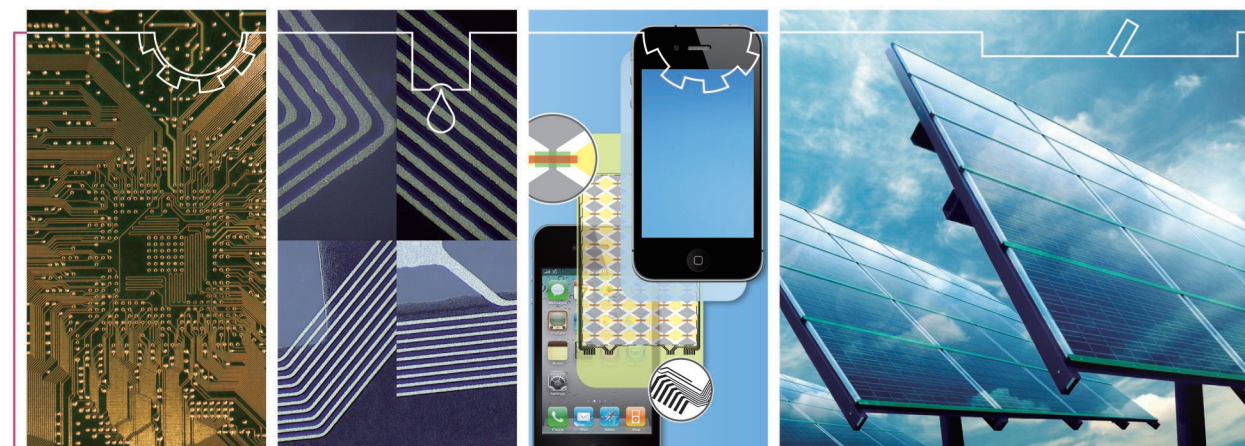
Automatic Screen Frame Washer

Features:

- Optional to include light inspection table or automatic clean water washer system.
- Designed with easy loading of screen frame.
- Provide different settings such as the cycle time for washing the screen frame with chemical/ clean water and cycle time for drying.

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PRINTERS FOR OPTO-ELECTRONICS INDUSTRY

High performance equipments with CCD registration and automatic alignment For Flexible and rigid substrates.

- Screen Printing: Special design for solar cell, LCD, Cover Lens, ITO Film, ITO Glass, PCB....etc, high precision printing.
- Gravure Offset Printing: For fine line printing, finest line: 5μm
- Flexographic Printing: For high uniformity coating purpose.
- Pad Printing: For small and uneven surface, like contact lens, golf ball…etc.
- Auxiliary Accessories: Screen cleaner, oven, Squeegee grinder….etc.
- Automatic Printing system: Customer made designed.

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Registering Screen Printing Machine

Applies to all kinds of materials, such as: glass, PET / ITO, PI and stainless steel, etc.. Suitable for touch panel, liquid crystal display (LCD), ITO Glass, light guide plate (LGP), solar cell and light reflective layer, etc.

Features:
- Divided into loading section, unloading section, printing section along with a shuttle table that moves from right to left. (Optional for printing table to move from left to right.)
- Designed for manual loading/ unloading of substrate; once the camera captures the target image the stage auto offsets and subsequently transports to printing section for printing.
- Screen frame up/ down movement: Driven by servo motor and ball screw with clearance tolerance controlled within 10μm.
- Print Head: Driven by servo motor with linear guide + timing belt for printing stability.
- Integrated with automated CCD registration system.

Model	Printing area
FP-4040SL	400×400
FP-6060SL	600×600
FP-8080SL	800×800
FP-1515SL	950×950(mm)

Fully Automatic CCD Aelegnment Screen Printer For Thin Film

Features:
- Film handling by vacuum shuttle carrier.
- Total system accuracy: ±10μm
- CCD camera registration and auto alignment.

Model	Printing area
FP-6060SL/F	500×500(mm)

Suitable for PET、FPC、Glucose test strips...etc.

Automatic Screen Printing Line for Glass

Features:
- Glass handling by Fork carrier.
- Cassette Loading / unloading system.
- CCD camera registration and auto alignment.
- Connected to convection oven with automatic transferring from Printer to dryer.
- Buffer station is available..
- Inspection station is available.
- Total system accuracy: ±10μm

Model	Printing area
FP-4040SL/G	400×400
FP-6060SL/G	600×600
FP-8080SL/G	800×800 (mm)

Fully Automatic Silk Screen Printer for Cover Glass

Working process:
Automatic Loading → Glass Cleaning → CCD alignment / Mechanical centering → Screen Printing → Print Check (Option) → Automatic unloading → Tray to convection oven automatically (option) → Tray piles up automatically.

High Accuracy CCD Alignment System

Model	Printing area
CL-2000CCD	3.5"~6"
CL-1212CCD	3.5"~6"

Centering Alignment System

Model	Printing area
CL-720 / CL-850LD	3.5"~10"/3.5"~6"
CL-1000	3.5"~6"

- Possible to have AGV for glass transportation in factory.
- Using Tray for glass loading and unloading tool.

Sliding Table Screen Printing Machine

Designed especially for printing on mobile cover lens.

Features:
- Sliding table is designed to move forward/backward; the stage is driven by servo motor with timing belt for smooth movement.
- Alignment System: Optional to integrate mechanical centering alignment or automatic CCD registration.
- Digitally controlled via touch panel for versatility and easy operation.

Model	Printing area
TP-450L/SL	200×300
TP-600L/SL	400×600
TP-800L/SL	600×800 (mm)

Digital Electric Flat Screen Printing Machine

Features:
- Screen frame's up/down & left/right movement is driven by servo motor.
- Squeegee / ink blade movement is controlled via cylinder.
- Digitally controlled via touch panel.
- PLC controlled with different printing options.

Model	Printing area
TP-250S	200×250
TP-450S	300×450
TP-600S	400×600
TP-800S	600×800 (mm)