

DT-FLATBED

SEMI-AUTOMATIC FLAT-BED SCREEN PRINTING PRESSES



DT-5070-V model shown

- ⊕ Dual Axis AC Motor driven controls
- ⊕ Omron PLC controlled with Touch Screen interface
- ⊕ Integrated E-Stop safety bar & Light curtains
- ⊕ X/Y/R positioning table with vacuum or T-Slot base
- ⊕ Pneumatic squeegee width angle & height adjustment
- ⊕ Up to 600 x 900mm (23.62" x 35.43") print area
- ⊕ Floor levelers & casters
- ⊕ Foot switch or auto-cycle

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SEMI-AUTOMATIC FLAT-BED SCREEN PRINTING PRESSES

Our **DT-FLATBED** series of screen printing presses feature dual axis AC motor controls for the vertical & horizontal strokes. The straight up & down screen motion keeps the ink in the "print zone" unlike a clam-shell press, where the ink flows to the back of the screen. Furthermore our flat screen lifting method allows the operator to easily load, unload & inspect graphic sheets or industrial parts during production runs. Our **DT-FLATBED** series of machines are available with or without a vacuum table (-F = Flat & -V = Vacuum). The **DT-FLATBED** series are well suited for screen printing small to mid-sized graphic panels, signage, membrane switches and overlays. They are also well suited for printing on industrial flat goods.

SPECS DT-3050-F/V DT-4060-F/V DT-5070-F/V DT-6090-F/V

Drive:	AC motor driven	AC motor driven	AC motor driven	AC motor driven
Max Print Speed:	1,500 cycles/hr	800 cycles/hr	720 cycles/hr	660 cycles/hr
Max Print Area:	300 x 500mm (11.81" x 19.69")	400 x 600mm (15.75" x 23.62")	500 x 700mm (19.69" x 27.56")	600 x 900mm (23.62" x 35.43")
Max Screen Frame Size:	500 x 830mm (19.69" x 32.68")	550 x 775mm (21.65" x 30.51")	700 x 1,130mm (27.56" x 44.49")	800 x 1,300mm (31.50" x 51.18")
Work Table Size:	400 x 600mm (15.75" x 23.62")	500 x 700mm (19.69" x 27.56")	600 x 800mm (23.62" x 31.50")	700 x 1,000mm (27.56" x 39.37")
Vacuum Table Size:	300 x 500mm (11.81" x 19.69")	400 x 600mm (15.75" x 23.62")	500 x 700mm (19.69" x 27.56")	600 x 900mm (23.62" x 35.43")
Screen Frame Thickness:	50.8mm (2")	50.8mm (2")	50.8mm (2")	50.8mm (2")
Screen Adjustment:	X,Y ± 10mm / θ 1.8°	X,Y ± 10mm / θ 1.8°	X,Y ± 10mm / θ 1.8°	X,Y ± 10mm / θ 1.8°
Print Stroke (Left/Right):	500mm (19.69")	600mm (23.62")	700mm (27.56")	900mm (35.43")
Lift Stroke (Up/Down):	160mm (6.30")	200mm (7.87")	200mm (7.87")	200mm (7.87")
Squeegee Pressure:	2 - 4 Bar	2 - 4 Bar	2 - 4 Bar	2 - 4 Bar
Air Pressure Input:	4 - 6 Bar	4 - 6 Bar	4 - 6 Bar	4 - 6 Bar
Voltage:	110V 50/60Hz 1 Phase	110V 50/60Hz 1 Phase	220V 50/60Hz 1 Phase	220V 50/60Hz 1 Phase
Weight:	187 kg (412 lbs)	325 kg (717 lbs)	340 kg (750 lbs)	490 kg (1,080 lbs)
Dimensions (L x W x H):	870 x 850 x 1,550mm (34.25" x 33.46" x 61.02")	1,100 x 900 x 1,700mm (43.31" x 35.43" x 66.93")	1,200 x 1,000 x 1,700mm (47.24" x 39.37" x 66.93")	1,500 x 1,100 x 1,700mm (59.06" x 43.31" x 66.93")
Origin:	China	China	China	China

*Specifications are subject to change without prior notification

View of the Touch screen control panel



Squeegee & Floodbar Assembly with micro adjustability



X/Y/R Table Equipped with Vernier Calibrated Knobs

