



LEFO-66

CCD Substrate Registering Screen Printer

CCD影像視覺檢測高精密網印機



■ 適用範圍

適用於光電科技要求高精度印刷的平面膜/片/薄板形印件之網印作業，如冷光板/膜(EL)、導光板(LGP)、擴散片、觸控面板(Touch Panel)之ITO玻璃、ITO薄膜、薄膜按鍵(Membrane Switch)、可撓性電路軟板(FPC)等。

Application: Suitable for high precision screen printing production include Flat panel/PCB, such as EL panel/film, LGP, Diffuser, Touch panel for ITO, ITO film, Membrane Switch, FPC, etc.

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產品特性：

- CCD影像檢測對位高精密網印機，搭配左右跑檯快速作業，性能優越，產能大幅提昇。
 - CCD檢測系統，確保印件在檯面上位置精度。
 - 機台結構，強固質輕，配合頂級進口伺服馬達傳動加上精密導向定位周到，運行穩定、安靜且更滑順快速。
 - 印刷檯面一體成型鑄鋁材質，檯面平整度 $\pm 0.05\text{mm}$ ，具印刷膜厚高均勻性。
 - 配置印刷座四柱汽缸同步鎖定裝置，確保印刷膜厚精度。
 - 伺服馬達抬網及傳動印刷並搭配高精密數位恆壓印刷頭，讓印壓得以完全展現恆壓效果。
 - 人機介面觸控螢幕操作設定簡便，可記憶100組生產條件，並具故障排除之顯示。
 - 設有安全復歸、自動偵錯系統、安全光柵、急停按鈕、警示燈柱等安全設計。
 - 另可選配靜電消除棒、光電專用防塵罩等功能。
- Provide the right-lift sliding table to improve excellent function and production yield rate.
 - Provide CCD examination system, to ensure the location precision of printing material on table is correct.
 - The structure of machine is lighter and stronger, and provides top servo motor and drive motor, more stable, quiet, and fast.
 - The integrated table made by aluminum, the flatness within $\pm 0.05\text{mm}$, and the printing evenness is excellent.
 - Provide four post locking system on printing device, to ensure thickness of printing membrane accuracy.
 - The servo motor for peeling function and high precision digital constant pressure printing head, to showing constant pressure effect completely.
 - Operation by touch panel, easy to set and operate, the memory of HMI save 100 unit conditions of production, and provide other function, such as auto exanimate breakdown and display trouble shooting.
 - Provide safety device, such as safety return to origin, auto detect error system, safety optical grating, Emergency switch, alarm light, etc.
 - Optional accessory: antistatic bar, anti-dust cover for optical industry.

項目 Project	規格 Specification
印刷檯面尺寸 Table dimensions	700x800 mm
最大印刷面積 Printing Area (MAX)	600x600 mm
最小印刷面積 Printing Area (MIN)	100x100 mm
印件厚度 Thickness of printing material	0.3~5.0 mm
檯面水平精度 Level Precision of Table	$\pm 0.05\text{ mm}$
檯面往復精度 Movement precision of table	$\pm 0.005\text{ mm}$
檯面吸氣尺寸 Vacuum Area	600x600 mm
檯面吸氣孔徑尺寸 Diameter of vacuum hole	$\varnothing 1.5\text{ mm}$
檯面吸氣孔間距尺寸 Interval of vacuum hole	20x20 mm
網框微調X/Y/Y軸向微調範圍 Frame fine-tuning:X/Y/Y fine-tuning range	$\pm 10\text{mm} / \pm 10\text{mm} / \pm 10\text{mm}$
最大裝框尺寸 Frame Dimension (MAX)	1100x1050 mm
最小裝框尺寸 Frame Dimension (MIN)	800x800 mm
檯面高度 Table Height	1000 $\pm$ 30mm
網框厚度 Frame Thickness	30-50mm
網框高度(洗版位) Frame Height (Cleaning Position)	400mm
刮刀印壓 Printing Pressure	1-6kg/cm ²
刮刀傾角 Squeegee Inclination	$\pm 40^\circ$
抬網間隙 Gap	0~25 mm (人機介面設定) Setting by touch panel
印刷網版與檯面間距 Space between Screen and Table	0~15 mm (人機介面設定) Setting by touch panel
印刷行程 Printing Stroke	0-800mm (人機介面設定) Setting by touch panel
印刷速度 Printing Speed	20-600mm/sec (人機介面設定) Setting by touch panel
印刷旋角 Printing Swing Angle	$\pm 15^\circ$
適用電源 Main Power	3相, 220V/380V, 50/60Hz
耗電量 Power Consumption	3.5 kw
壓縮氣源 Air Pressure	5-7kg/cm ²
耗氣量 Air Consumption	25L/Min
機器尺寸 Dimension	2620x1760x1850 mm
機器重量 Weight	1920 kg