



LEBC-22

CCD Registering Screen Printer

全自動CCD影像對位半自動高精密網印機



■ 適用範圍

適用於各種軟硬材質印件之高精密網印作業，例如：光電產業之LCD框膠；觸控面板、ITO導電玻璃、薄膜...等印刷。配備CCD影像自動對位，修正上料之對位誤差，提高精準度。

Application: Suitable for high precision screen printing production include soft/hard printing material, such as LCD Cell Sealant, Touch panel, ITO, Membrane.

Equip with CCD Registering device to correct inaccuracy of alignment when loading material, to improve precision.

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全自動CCD影像對位半自動精密網印機

CCD Registering Screen Printer

產品特性：

- CCD影像自動對位精密網印機，快速作業，對位精準 $\pm 0.01\text{mm}$ 內，性能優越，生產良率大幅提昇。
- 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週到，運作穩定、安靜且更滑順快速。
- 低速缸抬網及傳動印刷搭配精密數位恆壓印刷頭，讓印壓得以完整展現恆壓效果。
- 人機介面觸控螢幕操作設定簡便，可記憶生產條件，並具故障自動檢測及故障排除之顯示。
- 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。
- The aligning accuracy within $\pm 0.01\text{mm}$, to provide excellent function and improve production yield rate.
- The structure of machine is lighter and stronger, and provide top servo motor and drive motor, more stable, quiet, and fast.
- Provide low speed cylinder for peeling, and driving printing with high precision digital constant pressure printing device, to showing constant pressure effect completely.
- Operation by touch panel, easy to set and operate, the memory of HMI save 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 Item	規格 Specification
印刷檯面尺寸 Table dimensions	420x450 mm
最大印刷面積 Printing Area (MAX)	250x250 mm
最小印刷面積 Printing Area (MIN)	60x100 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	240x240 mm
檯面吸氣孔徑尺寸 Diameter of Vacuum hole	$\phi 1.5\text{ mm}$
檯面吸氣孔間距尺寸 Interval of Vacuum hole	20x20 mm (加密)
刮印方式 Printing Mode	單刮刀覆墨印刷 Printing by single squeegee covering print
CCD取像範圍 CCD Capture area	X ± 150 -45mm Y ± 150 -45mm
CCD鏡頭視野 CCD Shot sight	10x7.5 mm
影像對位精度 Registering Precision	$\pm 0.01\text{ mm}$ (居中對位)
整合精度 Integration Precision	$< \pm 0.02\text{ mm}$
對位整合時間 Registering integration Time	$< 1\text{ sec}$
最大裝框尺寸 Frame Dimension (MAX)	550x550 mm
最小裝框尺寸 Frame Dimension (MIN)	450x450 mm
網框厚度 Frame Thickness	30-40 mm
網框高度 (洗版位) Frame Height (Cleaning Position)	300 mm
檯面高度 Table Height	1000 $\pm 30\text{ mm}$
刮刀印壓 Printing Pressure	1-6 kg/cm ²
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	0-320 mm (人機介面設定) Setting by touch panel
印刷/回墨速度 Printing/Cover Ink Speed	20-600 mm/sec (人機介面設定) Setting by touch panel
刮刀傾角 Squeegee Inclination	$\pm 20^\circ$
印刷旋角 Printing Swing Angle	$\pm 5^\circ$
適用電源 Main Power	3 ϕ , 220V/380V, 50/60Hz
耗電量 Power Consumption	2.6 kw
壓縮氣源 Air Pressure	6~8 kg/cm ²
耗氣量 Air Consumption	60 L/Min
機器尺寸 Dimension	1300x1030x1800 mm (框昇高度)
機器重量 Weight	850 kg