



LEAC-22

CCD Registering Screen Printer

CCD影像自動對位高精密網印機



■ 適用範圍

適用範圍: 適用於各種軟硬材質印件之高精密網印機作業, 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 Main Sealant for LCD Panel, Touch panel, ITO, Membrane. Equip with CCD Registering device to correct inaccuracy of alignment when loading material, to improve precision.

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產品特性：

- CCD影像自動對位高精密網印機，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。
 - 機臺結構，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，運動穩定、安靜且更滑順快速。
 - 低速缸抬網及傳動印刷搭配高精密數位恆壓印刷頭，讓印壓得以完整呈現恆壓效果。
 - 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。
 - 另有可選配靜電消除棒、光電專用防塵罩、自動出料機構等功能。
- 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 collects top servo motor and drive motor, more stable, quite, 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, auto loading/unloading device.

項目 Item	規格 Specification
印刷檯面尺寸 Table dimensions	400x400mm
最大印刷面積 Printing Area (MAX)	250x250mm
最小印刷面積 Printing Area (MIN)	80x80mm
印件厚度 Thickness of printing material	0.3-5.0mm
檯面與刮座平行精度	$\pm 0.05\text{mm}$
檯面往復精度	$\pm 0.005\text{mm}$
檯面吸氣尺寸 Vacuum Area	250x250mm
檯面吸氣孔徑尺寸 Diameter of Vacuum hole	$\phi 1.5\text{mm}$ (可選)
檯面吸氣孔間距尺寸 Interval of Vacuum hole	20x20mm(加密)
刮印方式 Printing Mode	單刮刀覆墨印刷
CCD取像範圍 CCD Capture Area	80x80-250x250mm
CCD鏡頭視野 CCD Shot Sight	10x7.5mm
影像對位精度(軟體對位精度) Registering Precision(Software accuracy)	$\pm 0.005\text{mm}$
機械整合精度 Integration Precision	$< \pm 0.01\text{mm}$
對位整合時間 Registering integration Time	$< 1\text{sec}$
最大裝框尺寸 Frame Dimension (MAX)	590x500mm
最小裝框尺寸 Frame Dimension (MIN)	400x240mm
網框厚度 Frame Thickness	30-40mm
網框洗版高度 Frame Height (Cleaning Position)	300mm
檯面高度 Table Height	1000 $\pm$ 30mm
刮刀印壓 Printing Pressure	1-6kg/cm ²
抬網間隙 Gap	0-15 mm (人機介面設定) Setting by touch panel
印刷網版與檯面間距 Distance between Screen and Table	0-15 mm (人機介面設定) Setting by touch panel
印刷行程 Printing Stroke	0-380mm (人機介面設定) Setting by touch panel
印刷速度 Printing/Covering Speed	20-600mm/sec (人機介面設定) Setting by touch panel
刮刀傾角 Squeegee Inclination	$\pm 45^\circ$
印刷旋角 Printing Device Swing Angle	$\pm 5^\circ$
適用電源 Main Power	3 ϕ , 220V/380V, 50/60Hz
耗電量 Power Consumption	3.6kw
壓縮氣源 Air Pressure	6~8kg/cm ²
耗氣量 Air Consumption	60L/Min
機器尺寸 Dimension	L:1350xW:1300xH:1930mm
機器重量 Weight	約850kg