



Ching-Huei

# C.C.D. Fully Auto. Turn Over Printing M/C

## MODEL : CHTO-660-2

### Suitable

Double-sided · Multilayer · Legend  
Solder Masking · Plugging Printing  
And Various types of hard P.C.B. high  
precision and difficult double-sided printing



### Feature :

- Customer can choose 2 machines a line(S side printing →turn over→C side printing)or 3 machines a line(plugging hole printing →turn over→C side printing→turn over→S side printing).
- For Global "Industry 4.0" , we use 20 ways servo control, user only set up data on the GP, machine will auto adjust printing size, pressure, speed and positioning device etc..., it is not only the convenience of adjustment, and also help data management.
- Original C.C.D alignment printing, accurate alignment can reduce registration time, install frame to mass production within 10 minutes, when install jig board or P.C.B., jig board precisely put on the pin by C.C.D alignment, without touch printing table, would not touch the printing table to ensure double-sided printing quality.
- Special digital printing pressure setting system, it can automatically detect the stuff with the actual printing squeegee pressure squeegee mechanism automatically adjusts the depth, change the printing pressure only on GP operation interface to setup, it can greatly enhance the work efficiency.
- The squeegee transmission structure adopts the high rigidity design (Light quantization aluminum alloy of integrative shaping). Using Japanese THK linear guide. Special structural design, it is smoother to shake the squeegee transmission from side to side from head to foot while preventing transmitting. Repeated printing precision is high.
- "L.P.I. Digital Halftone Moveable Device" for LPI halftone printing with plugging, it can set the distance of screen printing direction of displacement. Exact correcting printing deviation caused by the deformation screen, prevent small holes due to deformation caused by ink screen plug hole. For LPI full printing, user can set X-Y way move distance to avoid cumulative ink inside the hole. Special design Ink scraping function can clean accumulation ink under screen to prevent ink penetration.
- Printing table move use Japan YASKAWA linear motor, work with Japan THK high precision linear slide, it can move at high speed with precise positioning and low noise. Special design thin type X-Y-θ printing table using lightweight quantization aluminum alloy of integrative shaping, use special cam can synchronize and smooth lifting, high horizontal accuracy.
- Conveyor use Japanese YASKAWA servo motor control, work with non-contact magnetic ring to avoid dust problem caused by belt drive, precise positioning and fast and stable. Full delivery process, use P.C.B. edge delivery by wheel can to avoid scratch P.C.B. and Ink sticking, and after printing P.C.B. would turn-over automatically, would not touch printing area of P.C.B.. To achieve double-sided printing one-time bake, and can to avoid over-bake and color-difference, and reduce the cost of an oven and electricity.
- The supreme level image alignment system can be used for copper foil, green paint, tin spray, gold, nickel and other targets and various types of special-shaped target to identify high-speed precision positioning.
- Operating system using PLC+ Industrial PC + GP, it is easy and simple to handle. And possess the automatic alarm of equipment fault and point out the system. It is convenient to overhaul.

Max. Print Area	660x660mm(26"x26")	Production Efficiency	4~6pcs/min
Min. Print Area	460x460mm(18"x18")	Speed Of Printing	1~600 mm/sec.
Max. Frame Size	1100x1100mm	Squeegee Slope Angle	0°~45°
Min. Frame Size	950x950mm	Squeegee Angle in X-Y Plane	±5°
Printing Table Area	780x850mm	C.C.D. Light system	LED light system
Thickness	1.0 ~ 5.0mm	Voltage	3Φ-220/380V-50/60Hz-11.6Kw
Printing repeatability	±0.01mm	Air Consumption	400 L/min. ( 5~6kg/cm <sup>2</sup> )
Image processing cycle	0.5 sec./pcs.	M/C Dim.	3100(L)x2160(W)x2010(H)mm
Image alignment accuracy	±0.005mm	M/C Weight	3750 kgs
Clamp table moving accuracy	±0.005mm	Working height	950~1000mm
X.Y.θ Table accuracy	X.Y.θ±0.005mm		

## 景暉精密企業有限公司

### CHING HUEI PRECISION CO., LTD.

台灣總公司  
公司電話：886-3-3222845-6  
公司傳真：886-3-3228325  
公司地址：33859桃園市蘆竹區南坎路一段305號  
(臺灣)e-mail信箱：fa0325@ms18.hinet.net

工廠電話：886-3-3522894  
工廠地址：33859桃園市蘆竹區南山路一段349巷19號  
統一編號：31345346

中國區客戶服務點  
(華南) 東莞市長安景輝機械貿易部  
地址：中國廣東省東莞市長安鎮咸西銘恩西街10巷1號1樓  
電話：86-0769-85393616.85393627 傳真：86-0769-85393621  
郵箱：13825751880@163.com  
(華東) 蘇州服務處  
地址：中國江蘇省蘇州市新區濱河花園30幢302室  
電話：86-0512-68785262 傳真：86-0512-68249272  
郵箱：zhuyilongsu@163.com  
(業務客訴) e-mail信箱：chinghuei@changnan.net  
公司網頁：www.chinghueiweb.com