

# 全自動電腦智能彩印貼合連動線 Litho Laminator IN LINE Machine

**Control-ing®**  
The Litho Laminator  
康卓林機械 (台灣)  
Made in Taiwan



台灣康卓林公司已獲得西班牙Control-ing公司的技術授權，並成功的技術移轉，西班牙Control-ing公司是知名的彩印貼合連動線的領導製造商，一直在西班牙進行研發與製造設備，現技術已授權移轉給台灣康卓林公司並製造生產設備，及銷售給整個亞洲市場。製造設備過程將由西班牙Control-ing進行監控與最終檢驗。彩印連動線包括全自動智能伺服系統控制，監視器顯示，簡單的操作系統功能，可控制單面瓦楞紙和彩印紙的位置，貼合時在正面和側面位置實現完美的套準，如同修整過後的效果。電腦化的PLC系統，將控制來自德國Mabeg進紙頭的供應的彩印紙，與製程中被切斷的瓦楞紙的精確貼合。瓦楞紙的前端先貼合到上面的彩印紙上，之後才進行裁切，以防止紙張歪斜。瓦楞紙與彩印紙貼合後，紙板將通過一張張的壓著過程，確保剛貼合的紙板具有完美的粘合與平坦度，此後，在帶狀輸送帶中將進行魚鱗疊輸送與稍長的干燥過程，在該帶狀輸送帶中僅施加非常輕的壓力。之後，紙板將分批進入堆疊單元，將貼合的紙板分批堆疊，並通過不停機的翻板裝置，堆疊在一個最後的堆疊單元中，這樣當堆滿的時候，就可以排出整疊紙板，而不會減慢速度降低生產過程，以提高生產效率。



Control-ing Taiwan has been licensed to use the technology of Control-ing – Spain who is a leading manufacturer of the well-known in-line and off-line Litho Laminators of this brand. The machines who's R&D has taken place in Spain, so far were manufactured in that country only but now the technology has been transferred to the Taiwanese company so that machines for the whole Asian market can be manufactured in these new premises. The manufacturing process will be monitored and approved by Control-ing Spain and recently an audit took place. The in-line laminator arrangement consists of a fully automatic intelligent servo system control, a monitor display, simple operation system features controlling the corrugated web and the offset printed sheet position to achieve a perfect register during lamination both in front position and in side position, integrating functions such as trimming, precision gluing and NC cut-off. A PLC system with computerized axis control will control the offset printed sheets coming from a Mabeg feeder head and laminate them in a perfect position onto the single face web coming from a single facer Wet End that is cut off in the same action to the right length. The front edge of the web is laminated to the printed top sheet first and only when this has taken place, the cut off will be done to prevent the sheets from skewing.

After lamination the sheets will go through a single sheet compression section to assure a perfect bonding and flatness of the recently laminated sheets and after this a somewhat longer drying process will take place in a shingling belt where only a very gently pressure will be applied. After this a de-shingling unit will put the laminated sheets into handfals and take them through a Flip-Flop unit where after they'll be finally stacked in a stacker with non-stop device so that full stacks can be taken out without even slowing down the production process in order to increase the efficiency and productivity.



型號 Model	最高機械速度 Max.Machine Speed	最高貼合速度 Max.Lamination Speed	面紙厚度 Thickness of Sheet	最大送紙尺寸 Max.Feed Size	最小送紙尺寸 Min.Feed Size	所需動力 Machine Power	機械總長 Machine Length	機械重量 Machine Weight
BL-1600	150 m/min	10000 Sheet/hr	100-600g/m²	1600(L)x1650(W)mm	600x500mm	90(kw)	52m (without Corrugated)	20Tons

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