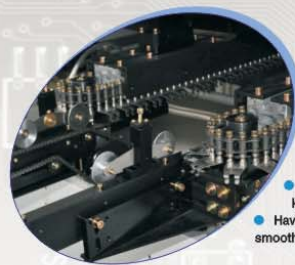
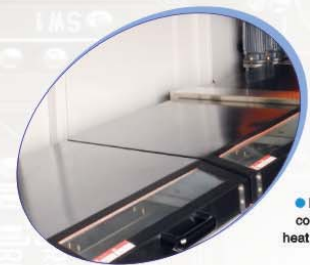


# MS 系列全自動無鉛波峰焊錫機

## Series Lead-free Wave Soldering System



- 運輸系統採用無級電子調速，閉環控制，速度穩定準確；
- 入口端設有壓力輔助裝置，使PCB進入時避免打滑。
- Closed Loop with Inverter Control System to keep the stability and accuracy of speed managed.
- Have a pair of the Assistant Device to hole the PCB smoothly entry by soft-press.



- 模塊化高效率加熱絲，使用壽命長，方便維護。
- Modularization High efficiency pre-heater is convenience for maintenance, attained powerful heat and long life.



- 錫爐進出及升降可採用電動和手動控制，並配備保護裝置，防止誤操作損傷機器；在機器前部和後端均有控制按鈕，操作更加人性化。
- Solder Pot In/out and up/down driven by motorized system with security device to avoid any damage cause of incorrect operating.



- Window XP操作系統，採用人性化設計，中英文界面可在任意切換，簡便易用。
- Window XP OS assorted with Intellectronics Design, Chinese / English Language on-screen alternative available is most convenience to operating.

### 特點 Features

- 外形流線型設計，內部模塊化設計，適合SMT及直插元件的無鉛焊接；
- 全電腦 + PLC控制系統，Windows XP操作系統；
- 軌道寬度調整採用電腦數字輸入，自動調整；
- 噴頭採用步進馬達驅動，保證助焊劑塗敷均勻；
- 強制自然風冷系統，可選配外置式冷風機急速冷卻；
- 可根據用戶的設定時間自動進行開機和關機。

- The Streamline Design is completely modernism, with transparent windows for operator to easy viewing and maintenance;
- Computer & PLC control system with WindowsXP O/S;
- Rail width digital according to PCB width controlled by computer automation.
- Spray nozzle driving by stepping motor will be guided arrange according to the PCB width;
- External air chiller to attain the great cold-down as per Lead-Free required(option)
- Pre-program the weekly operating schedule is available.



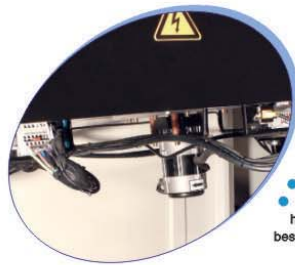
- 錫爐標配全鈦爐膽，對應無鉛環境的經久耐用；
- 1/2HP大功率波峰馬達，平波最大波峰高度可達15mm。
- Standard Full Titanium solder pot for Lead-Free production.
- 1/2HP high power Mechanical pump to meet the wave as high as 15mm.

### 氮氣保護系統 (選配項目: Nitrogen system for MS-450-N)

氮氣流量控制面板配以進口氧氣分析儀，易觀察，易調節；  
 氮氣消耗量：耗氮量25m<sup>3</sup>/hr.→1000ppm以下氧濃度  
 Adopt N<sub>2</sub> flow control panel with oxygen analyzer and easy for adjustment and over-view.  
 Nitrogen consumption: 25m<sup>3</sup>/hr.→1000ppm concentration of O<sub>2</sub>



- 助焊劑噴頭採用步進馬達驅動，保證助焊劑塗敷均勻；
- 噴霧系統模塊化設計，噴頭始終垂直導軌，保證助焊劑良好的穿透PCB。
- Spray Nozzle driving by Servo Motor will be Guided speeding and frequency according to the PCB width.
- The nozzle is right angle according to rail always to ensure the flux can good penetrate the PCB through holes.



- 預熱區採用可調速微風循環設計，加熱效果更均勻；
- 預熱系統採用三段獨立控溫，確保焊接工藝。
- The adjustable Micro-Wind Circulation Design.
- With independent temperature control in 3 Pre-heatingZones that can insure to achieved the best heat-efficiency.



- 快速重載插頭加拖繩保護，更加安全可靠。
- Quick plug and towline protection, more safe and reliable.



- 強制自然風冷，可選擇冷風機，滿足無鉛工藝對冷卻斜率的要求；
- 軌道角度手動調整，操作方便。
- Compelling Cooling System to attain the great cold-down slope as per Lead-Free required.
- Conveyor angle can easily be adjusted by manual.