

ASA 螺絲鎖付數位化管理系統  
Digitalized Management System for screw fastening



生產線還在靠人工檢測螺絲鎖付作業OK與NG嗎？  
Are you still checking whether the fastening work is OK or NG by man ?  
讓AM螺絲鎖付數位化管理系統來協助您！  
AM Digitalized Management System of screw fastening will do the work !

AM series 的優點 AM-series features :	
檢測螺絲鎖付 Screw fastening check	防止螺絲鎖付未到底，螺絲滑牙，空轉的不良發生。 To prevent the occurrence of incomplete fastening work, strip, and idling.
檢測工件漏鎖螺絲 Omitting screw check	防止螺絲鎖付作業中，螺絲漏鎖的不良發生。 To prevent any possibility of missing screws during the fastening operation.
螺絲鎖付作業計數 Screw counting	設有螺絲計數&工件計數功能，工件計數可達60000 PCS。 It is installed with screw counting and unit counting functions. Screw counting up to 60K units.
超大螢幕計數顯示 Monitor with counting information	設有大尺寸LCD螢幕，鎖付數據簡單明瞭。 The big LCD monitor shows you clear counting information.
直覺式顏色鎖付判定 Fastening condition check by colour	螺絲鎖付OK螢幕背景呈現綠色，螺絲鎖付NG螢幕背景呈現紅色。 Green colour on the monitor suggests OK fastening and red colour on the monitor suggests NG fastening.
自動化設備應用 Automation application	標準配置訊號輸入/輸出端子，應用自動化超EASY。 You can easily connect AM-series to your automation equipment with standard input/output signals.
中文/英文操作介面 Bilingual operation interface	操作介面人性化，可任意切換中文/英文操作介面。 Humanity operation interface where you can switch the languages between Chinese and English.

AM series依據螺絲鎖付作業自動判定OK或NG，並發出警報聲音和螢幕背景顏色通知相關作業人員。  
AM series automatically informs the operator whether the fastening work in OK or NG with the sound of alarm and the colour of the monitor.

鎖付正常 (OK) OK fastening

平面鎖付 plane fasten      凹孔鎖付 dents fasten

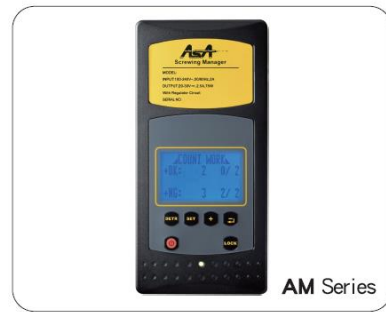
鎖付異常 (NG) NG fastening

螺絲浮上 incomplete screw fastening      歪斜鎖付 not properly placed screw      底孔滑牙 stripping of bolt threads in the hole



# Asa 螺絲鎖付數位化管理系統

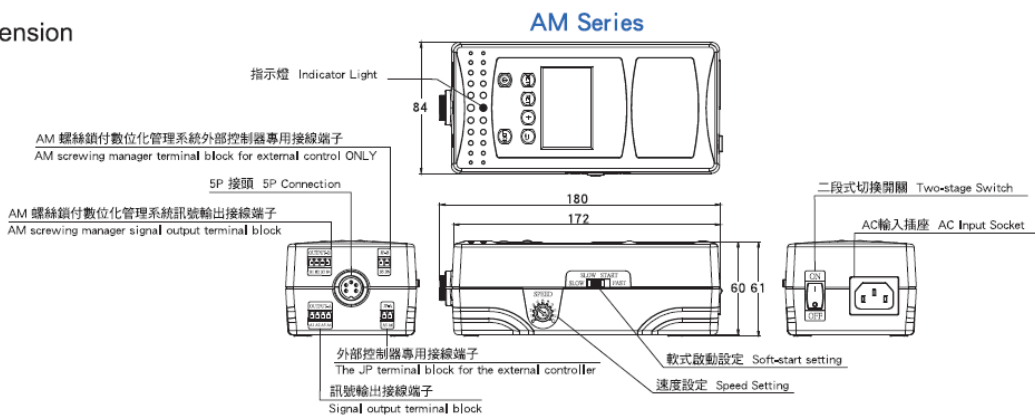
## Digitalized Management System for screw fastening



### 特點 Feature

- 附有蜂鳴聲功能，螺絲鎖付作業中，可防止螺絲漏鎖、鎖付未到底，螺絲滑牙，空轉等的不良發生。
- 設有工件數量累計及螺絲鎖付數量累計功能，工件數量累計數最多可達60K，單一工件螺絲鎖付數量累計數最多可達99pcs，可隨意設定。
- 附有輸出訊號端子，可與外部控制器連結達到控制一體化功能。
- 通用電源：適用於100-240VAC 50/60Hz全球性電壓源。
- 輸出無段控制：輸出無段控制及恆壓功能，最適合於電子科技產業追求輕、薄、短、小的組裝作業；螺絲愈小，螺絲鎖付的要求愈高，無論較長或較短螺絲均能滿足高精度，低慣量的鎖付要求。
- By the buzzer function is preventable of omission, incomplete screw fastening, thread damage, and being idled during the operation of the fastening work.
- Counting function helps you count up to max. 60K units and up to max. 99pcs of screws which need to be fastened per unit.
- By the output of the controller terminal can contact to external equipment to control electromagnetic valves etc.
- Universal power source: It is suitable for power source ranges between 100-240VAC 50/60Hz.
- Output stepless control: The electronic technology industry pursues thinness, lightness, shortness and smallness as the main stream in the future; the smaller the screw, the higher locking and tightening is required; both long and short screws can be locked and meet the requirements of high precision and low inertia at the same time.

### 尺寸圖 Dimension



Unit : mm

### 機型規格 Model and Specifications

項目 ITEM	機種名 Model No.	AM 控制器 AM Controller				
		AM-30	AM-45	AM-55	AM-65	AM-85
工件可累計鎖付計數範圍 Counting Range of Accumulative Screwing		1~60000				
單一工件可鎖付設定數範圍 Range of Setting Number of Unit Screwing		1~99				
鎖付時間樣品數設定範圍 Setting Range of Number of Sample Screwing Time		1~99				
鎖付設定值記憶/呼出數範圍 Range of Number of Memory/Calling-out of setting		10/10 組 10/10 set				
鎖付時間取樣值範圍 Range of Sampling Screwing Time		0.01~9.99 秒 0.01~9.99 seconds				
鎖付時間誤差值設定範圍 Setting Range of Screwign Time Error		±1~99%				
判定方式 Judgment		OK鳴聲與LCD顯示綠色背光 / NG鳴聲與LCD顯示紅色背光 OK sound and green LED light on / NG sound and red LED light on				
訊號輸出方式 Signal Output Mode		無電壓接點訊號(乾接點) Dry Contact (no voltage contact signal)				
輸入電壓 VAC Input Voltage (VAC)		100-240V、50/60Hz				
輸出電壓 VDC Output Voltage (VDC)		20~30V	25~35V	9~15V	20~30V	20~30V
軟式啟動 Soft-start		0-1秒 0-1 sec.	0-1秒 0-1 sec.	無此功能 N/A	0-1秒 0-1 sec.	0-1秒 0-1 sec.
輸出電壓設定 Output Voltage Setting		無段控制 Stepless Control				
輸出端子 Output pin		5針 5 pin	5針 5 pin	5針 5 pin	5針 5 pin	6針 6 pin
內部訊號輸出 Internal signal output		啟動訊號/煞車訊號/工件鎖付OK訊號/螺絲鎖付OK訊號/螺絲鎖付NG訊號 Switch signal/ Shut off signal/ work piece complete signal/ OK screw fastening/ NG screw fastening signal				
外部訊號輸入 External signal input		啟動訊號 Switch signal				
可控制起子數 No. of Screwdriver per screwing manager		1支 1 pcs				
消耗功率 (W) Power (W)		75W	70W	37.5W	75W	75W
適用電動起子型號 Applicable Model		BS-100F BS-200 BS-250 BS-300 BS-400 BS-450	BS-2000 BS-3000 BS-4000 BS-4000F BS-6000 BS-6500 BS-6800	ASA-2000/S ASA-3000/S ASA-4000/S ASA-4500/S	ASA-S1000M ASA-S1000M ASA-S2000M ASA-S2500M ASA-2000M/S ASA-3000M/S ASA-4000M/S	ASA-6000 ASA-6500 ASA-6800 ASA-7500 ASA-8500
體積 (mm) Dimension (mm)		172×84×61 mm				
重量 (g) Weight (g)		450 g				
AC電源線長度 (M) AC cable length (M)		1.8M				
安規認證 Approval by		CB,CE,UL(CUL),ROHS,REACH				
附屬品 Accessories		小螺絲刀、2P/4P插座式端子x2、AC電源線 Small screwdriver, 2P/4P socket terminal 2 pieces, and AC cable				