



ESD type is available for ordering



特點 Feature

- | | |
|---|---|
| <ul style="list-style-type: none"> • 極速 2000 rpm (2年保固)。 • 使用高效率無碳刷馬達，壽命超耐久。 • 無須更換碳刷，有效降低企業支出成本。 • 無碳粉溢出之設計，適用於無塵室環境。 • 搭配最先鋒的黃金無塵閉鎖系統。 • (壽命試驗可達1000萬公轉)，以大幅降低維修保養費用。 • 無碳粉溢出，降低空氣污染，響應地球環保。 | <ul style="list-style-type: none"> • The highest speed 2000rpm design and offer two years warranty for free repair service. • Use the high efficiency brushless motor gives unsurpassed durability. • Adopt the carbon brushless motor that it will reduce the business cost effectively. • Brushless motor design that is available in the clean room operation. • Adopt excellent gold plating switch that it can raise the contact spot life up to 10 million times and reduce the maintenance cost. • No any carbon particle flow out and not only costs. • No carbon particle flow out and not only costs to the earth environment protection but also reduces air pollution. |
|---|---|

槓桿式 Lever start type

機種名 Model No.	輸出扭力範圍 Torque range		適用電源控制器 Available controller	無載轉速(±10%) No Load Speed (rpm)	適用螺絲 Available screw	
	kgf-cm	lbf-in			機牙徑 Machine screw	自攻牙徑 Tapping screw
BS-2000	0.3~2.0	0.26~1.7	AFS-301A AM-30	700-1000	1.0~2.2mm/0.04~0.09in	1.0~2.0mm/0.04~0.08in
BS-3000	0.5~5.0	0.43~4.3	AFS-301A AM-30	700-1000	1.0~2.6mm/0.04~0.10in	1.0~2.3mm/0.04~0.09in
BS-4000 BS-4000F	1.5~12.0	1.30~10.4	AFS-301A AM-30	700-1000/1400-2000	1.4~3.0mm/0.06~0.12in	1.4~2.6mm/0.06~0.10in
BS-6000	2.0~16.0	1.7~13.9	AFS-301A AM-30	700-1000	2.2~4.2mm/0.09~0.17in	2.0~3.2mm/0.08~0.13in
BS-6500	4.0~20.0	3.5~17.4	AFS-301A AM-30	700-1000	2.6~4.0mm/0.10~0.16in	2.3~3.5mm/0.09~0.14in
BS-6800	5.0~25.0	4.3~21.7	APM-301A	500-750	3.0~5.0mm/0.12~0.20in	2.6~4.0mm/0.10~0.16in

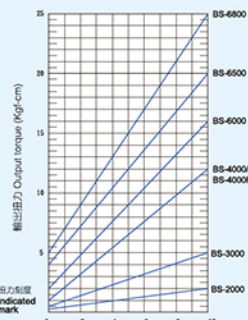
適用電源控制器 Available controller

外觀 Outline	機種名 Model No.	工作電壓(AC) Operating vol.	輸出電壓(DC) Output vol.	體積(mm) Dimension	重量(g) Weight	可操作起點數 Drivable	安規認可 Approval by
	APS-301A	100-240V	20-30V 可調式 (Adjustable)	164X64X42	300	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH
	APM-301A	100-240V	20-30V 可調式 (Adjustable)	172X84X46	380	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH
	AM-30	100-240V	20-30V 可調式 (Adjustable)	172X84X61	450	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH

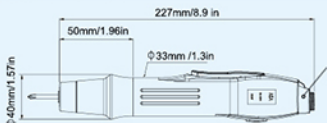
電動起子潤滑設備 (選購品) Attachment of electric screwdriver (Optional)

外觀 Outline	名稱 Description	規格 Specification			
	AT-1050 可調式螺絲整理機 AT-1050 Adjustable screw feeder	適用M1.0-M5.0mm螺絲 Available screw M1.0-M5.0mm			
	多功能螺絲專利整理盒 Patented multi-function screw kit box	適用M1.0-M2.4mm螺絲 Available screw M1.0-M2.4mm			
	彈吊車 Balancer 本產品可適用於無塵室， 並通過SGS-10等認證試。 This product can be used in the clean room. It has passed SGS Clean room Class-10 test.	型號 Model	載重 Load		伸縮長 Extend L.
			kgs	lbs	
		SB-1.2	0.5-1.2	1.1-2.6	1.6 m
		SB-2.0	1.0-2.0	2.2-4.4	1.6 m
SB-3.0	2.0-3.0	4.4-6.6	1.6 m		
	磁環 MAG-O-NETS	編號 Parts NO.	內徑 ID	外径 OD	厚度 Thick
		AM 1/4	7 mm	17.5 mm	10 mm
		AM 5	5 mm	17.5 mm	10 mm
		AM 4	4 mm	17.5 mm	10 mm

輸出扭力曲線表 Torque Curve



横桿式 Lever start type



Unit : mm

ASA 好幫手全自動小型電動起子 / 防靜電型

ASA Full-auto shut off low torque electric screwdrivers / ESD type

低壓直流馬達驅動型 (附電源控制器)

Low voltage DC motor driving (with controller)



可訂製ESD防靜電型

ESD type is available for ordering.



特點 Feature

- 符合創、遊、美、人、產品設計潮流，降低操作者的恐懼感。
- 符合女性握持之人因工學要求，提高操作舒適度，降低工作傷害。
- 區域分離式設計，可線上維修作業，減少停機待工時間。
- 符合EMC電磁相容標準設計。

- Design in creation, play, beauty, human conception to fit with world trend and be pleased to use.
- Design in ergonomics handle to reduce work fatigue and fit with feminine labor.
- Design in block assembly to easy maintains on line by user.
- Design in conformity EMC standards.

槓桿式 Lever start type · 快速式 High speed type (S)

機種名 Model No.	輸出扭力範圍 Torque range		適用電源控制器 Available controller	無載轉速(±10%) No Load Speed (rpm)	適用螺絲 Available screw	
	kgf-cm	lb-in			機械牙徑 Machine screw ϕ	自攻牙徑 Tapping screw ϕ
ASA-2000 ASA-2000S	0.3 ~ 2.0	0.26 ~ 1.7	APS-351B AM-45	450-700 700-1000	1.0 ~ 2.2mm / 0.04 ~ 0.09in	1.0 ~ 2.0mm / 0.04 ~ 0.08in
ASA-3000 ASA-3000S	0.5 ~ 5.0	0.43 ~ 4.3	APS-351B AM-45	450-700 700-1000	1.0 ~ 2.6mm / 0.04 ~ 0.10in	1.0 ~ 2.3mm / 0.04 ~ 0.09in
ASA-4000 ASA-4000S	1.0 ~ 6.0	0.87 ~ 5.2	APS-351B AM-45	450-700 700-1000	1.4 ~ 2.6mm / 0.06 ~ 0.10in	1.4 ~ 2.3mm / 0.06 ~ 0.09in
ASA-4500 ASA-4500S	1.5 ~ 10.0	1.30 ~ 8.7	APS-351B AM-45	450-700 700-1000	2.0 ~ 3.0mm / 0.08 ~ 0.12in	2.0 ~ 2.6mm / 0.08 ~ 0.10in

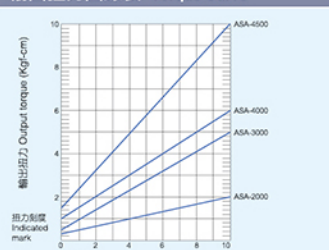
適用電源控制器 Available controller

外觀 Outline	機種名 Model No.	工作電壓(AC) Operating vol.	輸出電壓(DC) Output vol.	體積(mm) Dimension	重量(g) Weight	可操作起子數 Drivable	安規認可 Approval by
	APS-351B 軟式啓動 (Soft start)	100 ~ 240V	25 ~ 35V 可調式 (Adjustable)	164X64X42	300	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH
	AM-45	100 ~ 240V	25 ~ 35V 可調式 (Adjustable)	172X84X61	450	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH

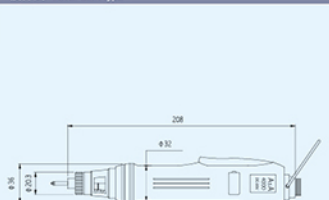
電動起子週邊設備 (選購品) Attachment of electric screwdriver (Optional)

外觀 Outline	名稱 Description	規格 Specification
	彎90°轉接頭 Right angle head	4A9121
	扭力護套 Torque cover	4H1089
	AT-1050 可調式螺絲整列機 Adjustable screw feeder	適用M1.0~M5.0mm螺絲 Available screw M1.0-M5.0mm
	AT-1050 多功能螺絲專利整理盒 Patented multi-function screw kit box	適用M1.0~M2.4mm螺絲 Available screw M1.0-M2.4mm
	彈吊車 Balancer 本產品可應用於無塵室， 並通過SGS-10等嚴密測試。 This product can be used in the clean room. It has passed SGS Clean room Class-10 test.	型號 Model SB-1.2 0.5-1.2 1.1-2.6 1.6 m SB-2.0 1.0-2.0 2.2-4.4 1.6 m SB-3.0 2.0-3.0 4.4-6.6 1.6 m
	磁環 MAG-O-NETS	編號 Parts NO. AM 1/4 7 mm 17.5 mm 10 mm AM 5 5 mm 17.5 mm 10 mm AM 4 4 mm 17.5 mm 10 mm

輸出扭力曲線表 Torque Curve



槓桿式 Lever start type



Unit : mm

ASA 好幫手 T 系列全自動橫桿式氣動起子

ASA T series full-auto shut off lever start pneumatic screwdrivers

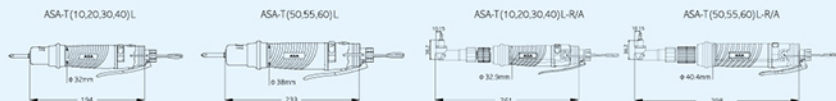


橫桿式 Lever start type (L)

起子機型 Model		空壓管內徑及壓力 Air hose bore		空氣耗氣量 Air consumption	扭力範圍 Torque range		精度 Accuracy	無負荷 回轉速 No Load Speed (rpm)	可鎖付螺絲桿徑 φ 徑 Available screw shank (mm)	
標準型 Standard	90° 彎頭型 Right angle	進氣 6kg/cm ² Inlet, mm	排氣 Ext. mm	m ³ /min	kgf-cm	lbf-in	%		機械螺絲 Machine Screw	自攻螺絲 Tapping Screw
ASA-T10LB	ASA-T10LB-R/A	5.0	6.35	0.5	0.5 ~ 2.0	0.4 ~ 1.7	±3	1000	1.0 ~ 2.2	1.0 ~ 1.7
ASA-T20LB	ASA-T20LB-R/A	5.0	6.35	0.5	1.0 ~ 8.0	0.9 ~ 6.9	±3	1000	1.7 ~ 3.3	1.3 ~ 2.7
ASA-T30LB	ASA-T30LB-R/A	5.0	6.35	0.5	2.0 ~ 16.0	1.7 ~ 13.9	±3	1800	2.2 ~ 4.2	1.7 ~ 3.2
ASA-T40LB	ASA-T40LB-R/A	5.0	6.35	0.5	5.0 ~ 30.0	4.3 ~ 26.0	±3	1000	2.6 ~ 5.0	2.3 ~ 4.0
ASA-T50LB	ASA-T50LB-R/A	8.0	9.5	0.65	7.0 ~ 50.0	6.0 ~ 43.4	±3	1400	2.9 ~ 6.0	2.6 ~ 4.9
ASA-T55LB	ASA-T55LB-R/A	8.0	9.5	0.65	7.0 ~ 65.0	6.0 ~ 56.4	±3	1000	2.9 ~ 6.4	2.6 ~ 5.4
ASA-T60LB	ASA-T60LB-R/A	8.0	9.5	0.65	15.0 ~ 95.0	13.0 ~ 82.5	±3	550	4.1 ~ 7.0	3.3 ~ 6.0

• B表1/4"六角起子頭 • A表5mm六角起子頭 • B for 1/4" Hex. bit • A for 5mm Hex. bit

橫桿式尺寸圖 Dimension



Unit : mm

氣動起子周邊設備 (選購品) Attachment of pneumatic screwdriver (Optional)

外觀 Outline	名稱 Description	規格 Specification
	AT-1050 可調式螺絲整列機 Adjustable screw feeder	適用M1.0-M5.0mm螺絲 Available screw M1.0-M5.0mm
	多功能螺絲專利整理盒 Patented multifunction screw kit box	適用M1.0-M2.4mm螺絲 Available screw M1.0-M2.4mm
	彈吊車 Balancer 本產品可適用於無塵室，並通過ISO-10等級測試。 This product can be used in the clean room. It has passed ISO-10 test.	型號 Model 載重 Load kg lbs 伸縮長 Extend L m
	磁環 MAG-O-NETS	編號 Parts NO. 內徑 ID 外徑 OD 厚度 Thick

扭力區分管理 Color torque control system

ASA提供你一套最新獨特的扭力管理方法。它利用顏色來管理扭力的差異，作為生產線扭力起子管理的目的。它適用所有T系列的工具，只要選擇不同顏色配合不同的扭力大小，就能運用在你的生產線，並做好有效扭力區分管理。

The ASA color torque control system gives you an easily visible torque marking system at a glance for all the T series tools. Choose the color for each torque level used on your assembly line.



符合人體工學的ASA扭力支臂架夾持系統可以減低操作者疲勞，增加生產力。

Reduce operator fatigue and increase productivity with the ASA TORQUE ARM ergonomics tool support system.

特點 Feature

- 採用經陽極處理之鋁材質，重量輕。
- 無金屬直接接觸之接點，不會因磨耗產生粉塵。
- 兩件式組合前臂，組裝過程中工具移動更自由。
- 端點至前臂為容易調整之縮疊式構造，調整精度可達一英吋。
- 操作夾持系統所需力量可依不同操作員之需求調整。
- 操作員不易疲勞。
- 連續操作下亦能維持高精度之運作。
- 結構堅固，可承受高負荷。
- 適用於氣動及電動工具之夾持。

- Anodized aluminum finish.
- No metal-to-metal joints to create particle count.
- 2-piece hinged forearm allows more freedom of movement in the assembly process.
- Telescoping reach from end of forearm allows easy adjustment in 1-inch increments.
- Resistance can be set to suit individual operator preference.
- Reduce operator fatigue.
- Provide consistency and accuracy for repetitive assembly tasks.
- Heavy duty construction.
- For use with pneumatic and electric tools.

氣壓缸系列規格表 Air cylinder series specification

型號 Model	說明 Description	操作範圍 Reach	最大載重 Capacity	扭力上限 Maximum Torque
STD-15110-AC	標準型 Standard	4-33 in	0 ~ 15 Lbs	110 lbs-in
PARA-15110-AC	平行臂型 Parallel	4-33 in	0 ~ 15 Lbs	110 lbs-in

油壓缸系列規格表 Oil cylinder series specification

型號 Model	說明 Description	操作範圍 Reach	最大載重 Capacity	扭力上限 Maximum Torque
STD-03110-OC	標準型 Standard	4-33 in	0 ~ 3.0 Lbs	110 lbs-in
PARA-03110-OC	平行臂型 Parallel	4-33 in	0 ~ 3.0 Lbs	110 lbs-in

氣壓缸標準型系列 STD-15110-AC Standard system (air cylinder type)



油壓缸平行臂型系列 PARA-03110-OC Parallel system (oil cylinder type)



功能 Function

- 允許工具各方向之前、後、左、右移動。
- 兩件式組合前臂使組裝過程中工具移動更自由。
- 端點至前臂為容易調整之縮疊式構造，調整精度可達一英吋，調整極限可達六英吋。

- Allows universal tool motion from side to side and front to back.
- 2-piece hinged forearm allows more freedom of movement in the assembly process.
- Telescoping reach from end of Forearm allows easy adjustment in 1-inch increments up to 6 inches.

ASA扭力支臂架夾持系統之配件 ASA Torque arm accessories

可根據作業型態選擇不同的夾持臂前端轉接配件，結構堅固的工具夾持器可容許各方向轉動、擺動、旋轉之操作，也可以根據作業需求鎖定一個或數個方向之旋轉動作。此外，工具夾持器轉接配件使用容易，可運用在各種不同的作業環境。

End-of-Arm tooling options for the ASA torque arm allow you to choose the style your application requires. The tool holders allow the tool to swivel, rotate, swing or twist. Its heavy duty construction allows you to lock out any single or combination of rotating actions allowing only the motions required by your application. In addition, End-of-Arm Tooling brackets allow easy conversion, so one ASA torque arm can be used for more than one application.

配件表 (選購品) Accessories (Optional)

槍型固定座 Pistol grip tool mount	90° 彎頭固定座 Right angle tool mount	電動工具固定座 With bracket "Y" for electric tool mount	電動工具固定座 With bracket "Y" for electric tool mount	氣動工具固定座 Air manifold	牆壁固定夾 Wall Clamp	桌上固定夾 Bench Clamp
						
EAA-21	EAP-202ED (for STD type)	EAP-202 (for PARA type)	EAP-203 (for PARA type)	EAA-01	EAA-02	