

ASA 高效能小型無刷馬達電動起子

High efficiency brushless motor low torque electric screwdrivers

搭配10um黃金煞車開關系統，
壽命可達1000萬次以上。

Adopts 10um gold plating
switch to raise the switch
life upto 10 million times.

人因工學握柄可輕鬆鎖付

Compact size ergonomics grip
design makes easy operation.

創新扭力護套設計

- 螺牙結構使扭力護套能輕鬆的鎖付於起子本體。
- 扭力護套也同樣為扭力調整圈，可輕鬆調整扭力。
- 扭力護套可避免因不當扭力而造成被鎖物的損壞。

Brand new design for torque cover

- The torque cover can easily combined with screwdriver itself by the thread construction.
- The torque cover is also a torque-adjuster, it can easily adjust the torque.
- The torque cover can avoid the fastened object be damaged by improper torque.

扭力提示燈

當鎖付到達扭力時，提示燈會亮起綠燈。
有效降低操作者需人工監測扭力的負擔。

Torque indicator light

When reaching the torque while fastening, the torque indicator light will be shown as green color, which can effectively reduce the burdens of checking the fastening situation for operators.

高效能無刷馬達介紹

- 使用高效能無刷馬達，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。

Introduction for high efficiency brushless motor

- 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.

扭力精度極精準

One pulse torque up,
torque accuracy with high precision.

扭力區分管理

ASA提供您一套獨特、以顏色來管理扭力的系統。
選擇不同顏色配合不同的扭力大小，就能運用在生產線上，並做有效的扭力區分管理。

Color torque control system

ASA provides you a unique color torque control system, using the different colors to distinguish the torque for assembly line.



ASA 高效能小型無刷馬達電動起子

High efficiency brushless motor low torque electric screwdrivers

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

- 使用高效能無刷馬達，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。
 - 搭配領先群雄的黃金煞車開關系統。
（壽命試驗可達1000萬次以上），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。
- 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.
 - Adopts 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 not only responses 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			機械牙徑 Machine screw ϕ	自攻牙徑 Tapping screw ϕ
BS-100	0.15~1.0	0.13~0.87	APM-202B	100-200	0.7~1.8mm/0.03~0.07in	0.6~1.4mm/0.02~0.05in
BS-100F	0.15~1.0	0.13~0.87	APM-302B AM-30	350-500	0.7~1.8mm/0.03~0.07in	0.6~1.4mm/0.02~0.05in
BS-200	0.3~2.0	0.26~1.7	APM-302B AM-30	700-1000	1.0~2.2mm/0.04~0.09in	1.0~2.0mm/0.04~0.08in
BS-250	0.4~3.0	0.35~2.6	APM-302B AM-30	450-700	1.0~2.6mm/0.04~0.10in	1.0~2.0mm/0.04~0.08in
BS-300	0.5~5.0	0.43~4.3	APM-302B AM-30	700-1000	1.0~2.6mm/0.04~0.10in	1.0~2.3mm/0.04~0.09in
BS-400	1.0~6.0	0.87~5.2	APM-302B AM-30	700-1000	1.4~2.6mm/0.06~0.10in	1.4~2.3mm/0.06~0.09in
BS-450	1.5~10.0	1.3~8.7	APM-302B AM-30	700-1000	2.0~3.0mm/0.08~0.12in	2.0~2.6mm/0.08~0.10in

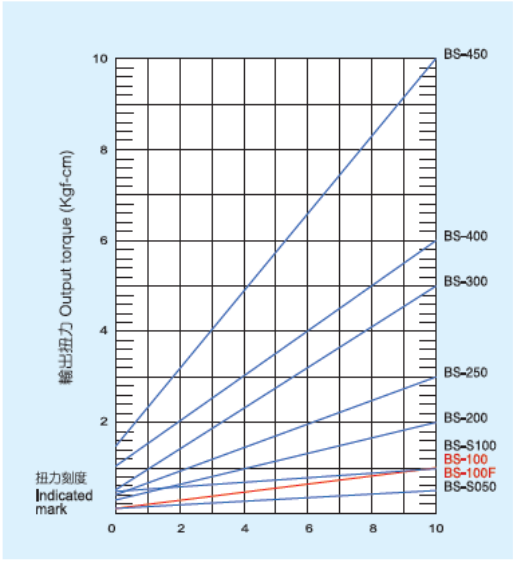
適用電源控制器 Available controller

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
	APM-202B	100-240V	9-19V 可調式 (Adjustable)	172X84X46	380	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH KC,FCC,UKCA
	APM-302B 軟式啟動 (Soft start)	100-240V	20-30V 可調式 (Adjustable)	172X84X46	380	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH KC,FCC,UKCA
	AM-30	100-240V	20-30V 可調式 (Adjustable)	172X84X61	450	1 screwdriver	CB,CE, UL(CUL), ROHS,REACH

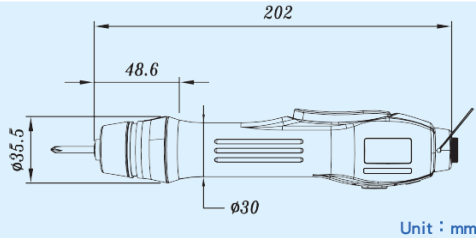
電動起子週邊設備 (選購品) Attachment of electric screwdriver (Optional)

外觀 Outline	名稱 Description	規格 Specification																		
	彎90° 轉接頭 Right angle head	4A9402																		
	AT-1050 可調式螺絲整列機 AT-1050 Adjustable screw feeder	適用M2.0~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SGS-10等級測試。 This product can be used in the clean room. It has passed SGS Clean room Class-10 test.	<table><tr><th rowspan="2">型號 Model</th><th colspan="2">載重 Load</th><th rowspan="2">伸縮長 Extend L'</th></tr><tr><th>kgs</th><th>lbs</th></tr><tr><td>SB-1.2</td><td>0.5-1.2</td><td>1.1-2.6</td><td>1.6 m</td></tr><tr><td>SB-2.0</td><td>1.0-2.0</td><td>2.2-4.4</td><td>1.6 m</td></tr><tr><td>SB-3.0</td><td>2.0-3.0</td><td>4.4-6.6</td><td>1.6 m</td></tr></table>	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
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	磁環 MAG-O-NETS	<table><tr><th>編號 Parts NO.</th><th>內徑 ID</th><th>外徑 OD</th><th>厚度 Thick</th></tr><tr><td>AM 1/4</td><td>7 mm</td><td>17.5 mm</td><td>10 mm</td></tr><tr><td>AM 5</td><td>5 mm</td><td>17.5 mm</td><td>10 mm</td></tr><tr><td>AM 4</td><td>4 mm</td><td>17.5 mm</td><td>10 mm</td></tr></table>	編號 Parts NO.	內徑 ID	外徑 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		
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輸出扭力曲線表 Torque Curve



槓桿式 Lever start type



工作電壓 Power Source	19VDC/30VDC
扭力精度 Torque Accuracy	極精準 High precision
扭力調整 Torque Setting	無段式 Stepless
重量 Weight	300g/0.66lb
長度 Length	202mm/7.95in
握持直徑 Grip diameter	30mm/1.18in
適用起子頭(選購品)	4Ø
Available bit size (optional)	