

ASA 好幫手 T 系列全自動氣動起子外觀功能特性圖

Appearance of ASA T series full-auto shut off pneumatic screwdrivers



ASA向來致力於電動、氣動工具的設計製造，以操作者的角度規劃產品，以經營者的立場考慮工具應有的效率，更以精確、環保、科技、品質作為規範。基於這些理念與目標，我們製作出的產品擁有多項專利，並榮獲多項大獎。優良的電動、氣動式工具，除了能提昇工作效率，更能提高工作品質。

ASA氣動式工具擁有四大特色：

精準：ASA提供專利離合器，扭力重覆精度 $\pm 3\%$ ，提供您裝配最佳品質保證。

經濟：馬達葉片及內部結構獲得多項專利，造就超大扭力範圍，馬達壽命更長，一支可抵多支使用的效益。

美觀：秉持以人为本為出發點，結合美術、人因工學及機械工程所設計而成，外觀專業並具美感。

科技：特殊機械結構及專利特殊馬達設計，達到低噪音、低震動、高精確度的境界。

ASA is engaging the design and manufacture of electric and pneumatic screwdrivers. From the use's point of view to plan the product map. From the owner's point of view to calculate the efficiency of tool. Furthermore, base on accuracy, environment, technology and quality, ASA owns several patents and awards. An excellent pneumatic screwdriver tool can increase not only efficiency but the quality.

ASA Pneumatic screwdriver has following four features:

Accuracy: ASA provide patent clutch with $\pm 3\%$ accuracy of torque, assure the best quality.

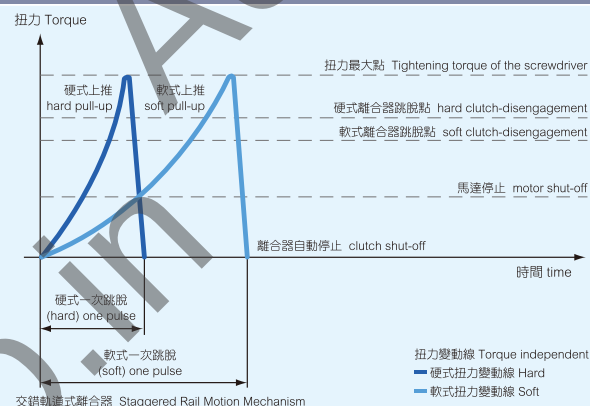
Economic: Wide-ranging torque with many patent and longer life cycle of motor.

Delicacy: Combination of art, ergonomics and mechanical design.

Technology: Special mechanical structure and patent motor give you low noise, low vibration and high accuracy.

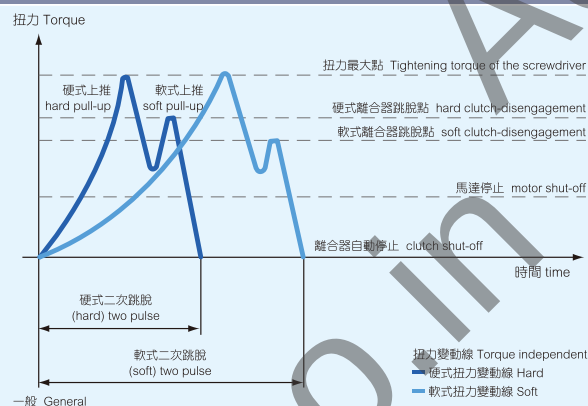


專利SRM扭力控制系統 SRM Clutch Control System

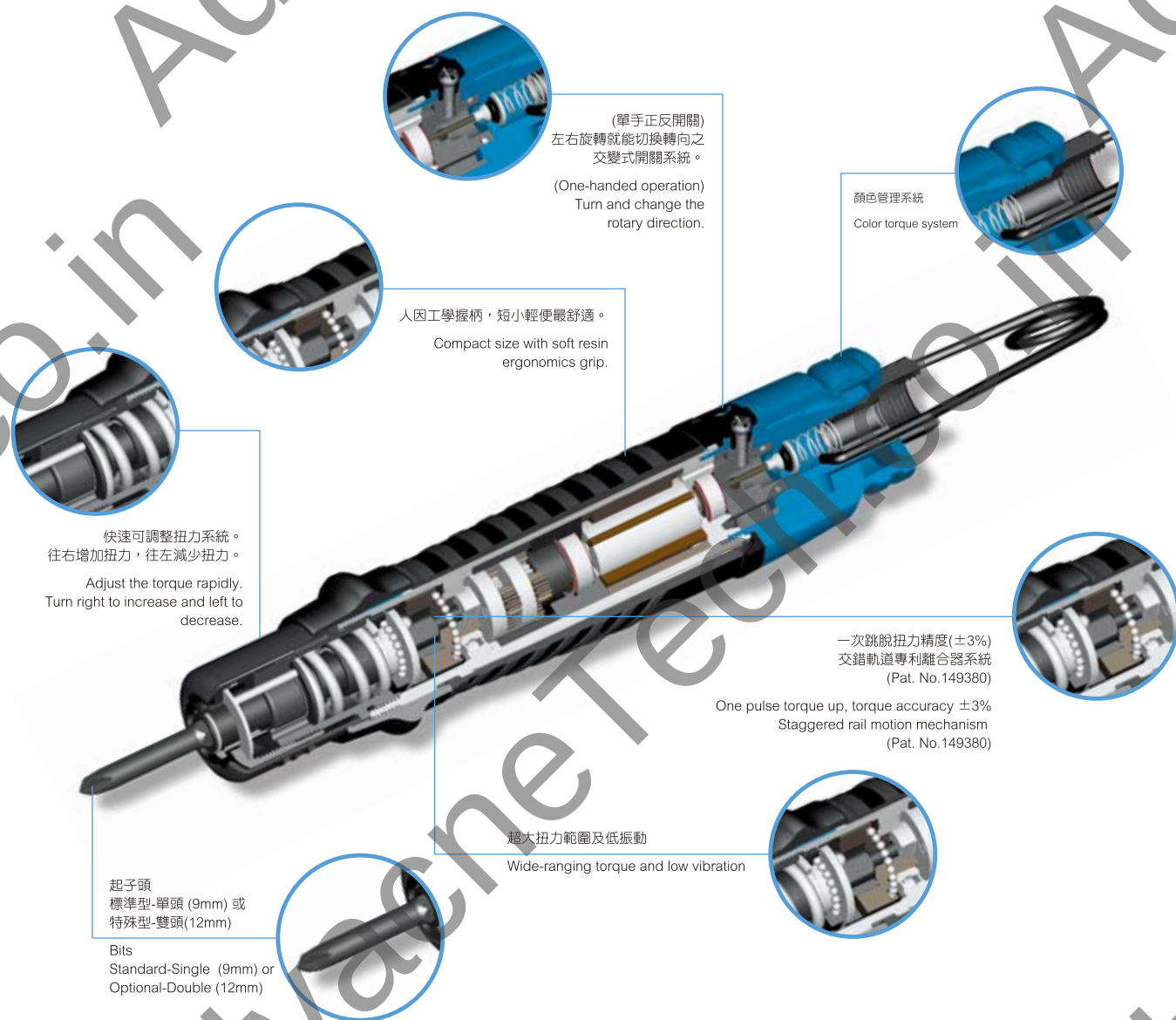


專利SRM扭力控制系統(自動停止型)，離合器跳脫僅一次，振動值低於 2.5ms^2 ，扭力誤差小於 $\pm 3\%$ 。We recommend to use ASA pneumatic screwdrivers with SRM(Staggered Rail Motion) mechanism one pulse clutch torque control system (with immediate automatic shut-off) which has a vibration level of less than 2.5ms^2 and torque accuracy within $\pm 3\%$.

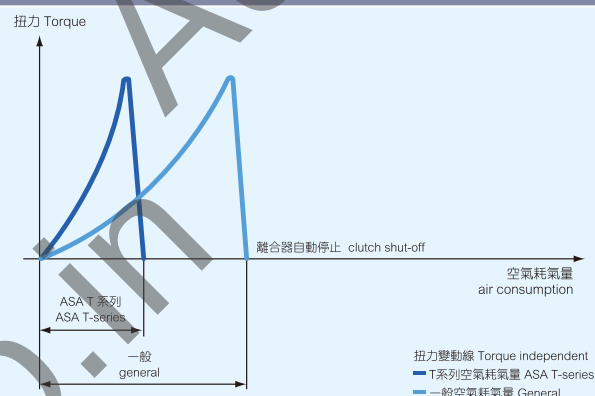
一般扭力控制系統 General Clutch Control System



一般型起子離合器跳脫需2~3次，振動值大於 2.5ms^2 ，因此扭力誤差也大。Any general pneumatic screwdrivers which uses two or three "pulse clutch" torque control (and similar) generate vibrations over 2.5ms^2 and a bad torque accuracy.

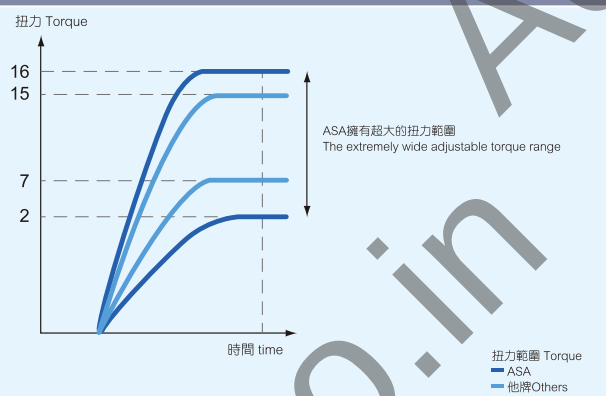


馬達比較圖 Comparison of Motor



使用ASA的交變開關馬達會比一般的氣動馬達多出20~40%的馬力及扭力，它可以提供您擁有更輕、小、短的舒適感。
The new T-series (alternation motion mechanism) air motor can supply 20~40% more power output than others. They are characterized by extremely small dimension and low weight low overall length.

扭力範圍示意圖 Range of Torque



使用專利ASA離合器比一般的離合器更寬大的扭力範圍。
* 以ASA-T30機型為例
More wider range of torque when patent SRM(Staggered Rail Motion) mechanism used.
* Ex. ASA-T30 is shown.

ASA 好幫手 T 系列全自動下壓式氣動起子

ASA T series full-auto shut off push to start pneumatic screwdrivers

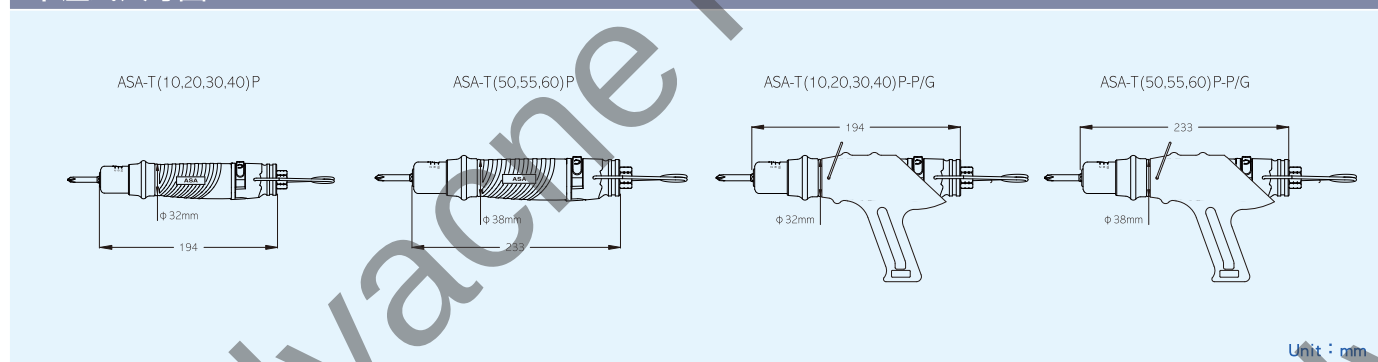


下壓式 Push to start type (P)

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)	可鎖付螺絲腰部 φ 徑 Available screw shank (mm)	
標準型 Standard	槍型 Pistol Grip	進氣 6kg/cm ² Inlet. mm	排氣 Ext. mm	m ³ /min	kgf-cm	lbf-in	%		機械螺絲 Machine Screw φ	自攻螺絲 Tapping Screw φ
ASA-T10PB	ASA-T10PB-P/G	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-T20PB	ASA-T20PB-P/G	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-T30PB	ASA-T30PB-P/G	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-T40PB	ASA-T40PB-P/G	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-T50PB	ASA-T50PB-P/G	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-T55PB	ASA-T55PB-P/G	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-T60PB	ASA-T60PB-P/G	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

下壓式尺寸圖 Dimension



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			
	槍型握把 Gun type-grip	4A9311			
	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.	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

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. Choice the color for each torque level used on your assembly line.

