

Appearance of **ENC** T series full-auto shut off pneumatic screwdriver



M&L is engaging the design and manufacture of electric and pneumatic screwdriver, 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, M&L owns several patents and awards. An excellent pneumatic screwdriver tool can increase not only efficiency but the quality.

M&L pneumatic screwdriver has the following four features:

Accuracy: M&L provide patent clutch with $\pm 3\%$ accuracy of torque. Assure the best quality.

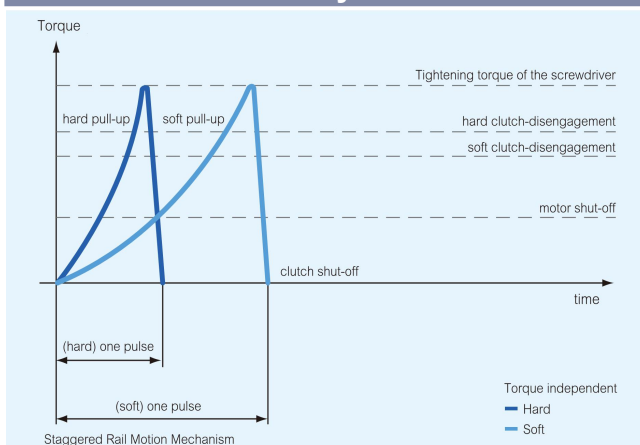
Economic: Wide-ranging torque with many patent and longer life cycle of motor.

Delicacy: Combination of art, ergonomics and mechanical design.

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

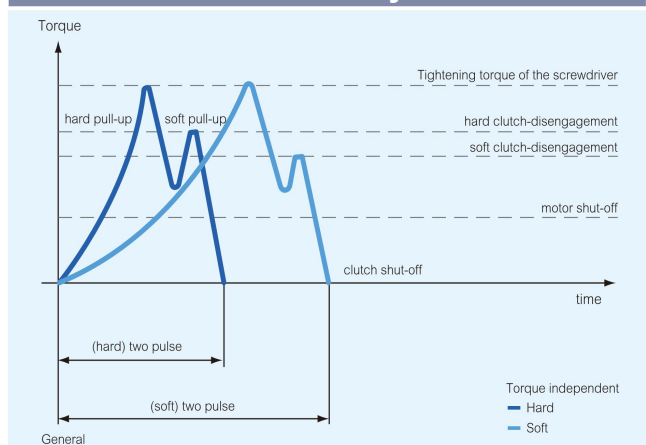


SRM clutch control system:



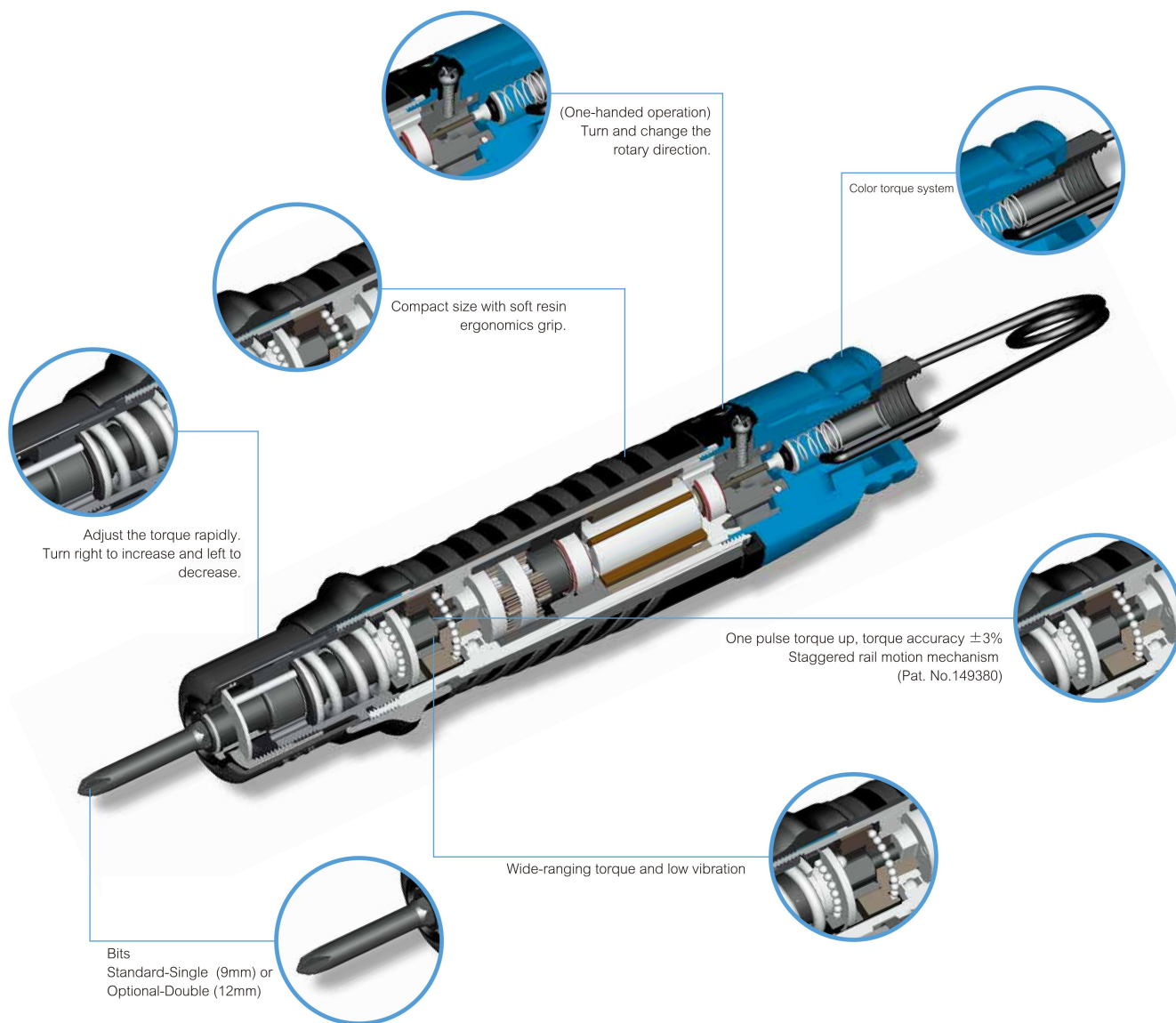
We recommend to use M&L pneumatic screwdriver with SRM(staggered rail motion)mechanism one pulse clutch torque control system(with immediate automatic shut off)which has a vibration level of less than 2.5ms^2 and torque accuracy within $\pm 3\%$.

General clutch control system:

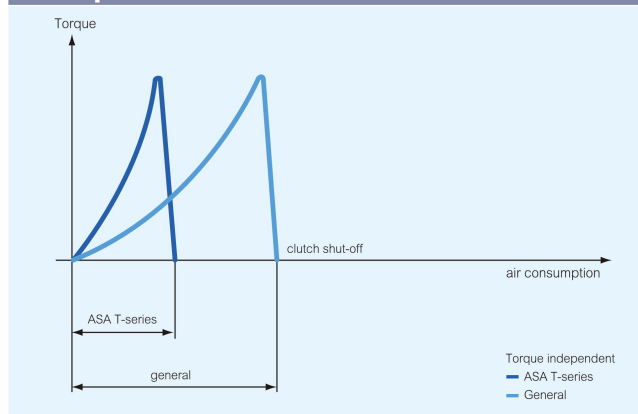


Any general pneumatic screwdriver which uses two or three "pulse clutch" torque control (and similar) generate vibrations over 2.5ms^2 and a bad torque accuracy.

Characteristic analysis of **ENC** T series full-auto shut off pneumatic screwdriver

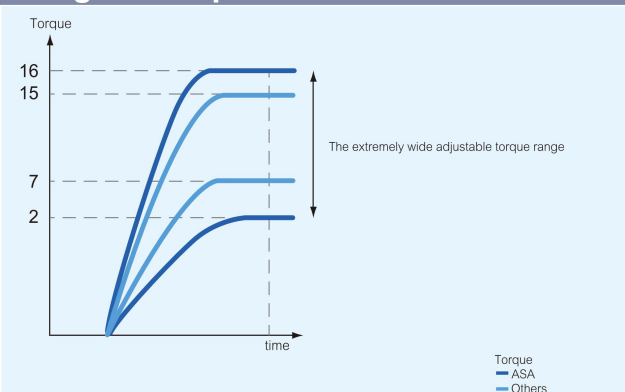


Comparison of motor:



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.

Range of torque:



More wider range of torque when patent SRM(Staggered Rail Motion) mechanism used.

*Ex. M&L-T30 is shown.

ENC Full automatic lever start pneumatic screwdriver

Best parts + Scientific design + Reasonable maintenance = Perfect function in your work



Features:

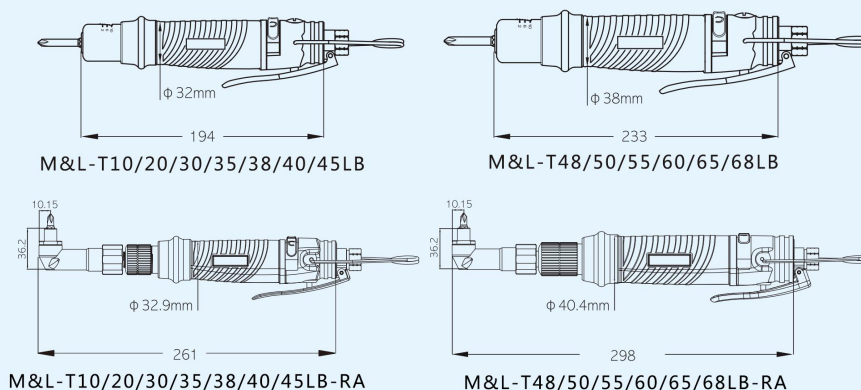
- 1) Cheaper price and perfect quality, extensive application area.
- 2) Big torque range, It outputs 0.5kgf.cm² Min. and 280kgf.cm² Max., Can also reduce the business cost effectively.
- 3) The torque is adjustable, You can adjust the torque base on your actual requirement.
- 4) The high speed is 2200 rpm, The slow speed is 250rpm, Choose base on your actual Requirement.
- 5) Lever start type and press start type are available to choose.



Model & Specification:

Model		Operating air pressure (kg/cm ²)	Inner diameter of air pipe (mm)	Torque range (kgf.cm ²)	Speed (rpm)±10%	Applicable screw(mm)	
Lever type	Right angle type					Machine thread(Ø)	Tapping thread(Ø)
M&L- T10LB	M&L-T10LB-RA	5.5	6.0	0.5~2.0	1000	1.0~2.2	1.1~1.7
M&L- T20LB	M&L-T20LB-RA	5.5	6.0	1.0~8.0	1000	1.7~3.3	1.3~2.7
M&L- T30LB	M&L-T30LB-RA	5.5	6.0	2.0~17	1800	2.2~4.2	1.7~3.2
M&L- T35LB	M&L-T35LB-RA	5.5	6.0	3.0~20	2200	2.2~4.5	1.7~3.5
M&L- T38LB	M&L-T38LB-RA	5.5	8.0	3.0~25	1800	2.2~4.7	1.7~3.8
M&L- T40LB	M&L-T40LB-RA	5.5	8.0	5.0~30	1000	2.8~5.0	2.2~4.0
M&L- T45LB	M&L-T45LB-RA	5.5	8.0	8.0~40	800	3.3~5.7	2.7~4.4
M&L- T48LB	M&L-T48LB-RA	5.5	8.0	5.0~45	1700	2.8~5.8	2.2~4.7
M&L- T50LB	M&L-T50LB-RA	5.5	8.0	7.0~50	1400	2.9~6.0	2.6~4.9
M&L- T55LB	M&L-T55LB-RA	5.5	8.0	7.0~65	1000	2.9~6.4	2.6~5.4
M&L- T60LB	M&L-T60LB-RA	5.5	8.0	15~95	550	4.1~7.0	3.1~6.0
M&L- T65LB	M&L-T65LB-RA	5.5	8.0	30~180	300	5.0~9.3	4.0~7.2
M&L- T68LB	M&L-T68LB-RA	5.5	8.0	50~280	250	6.0~11.0	4.9~8.7

Screwdriver size:



Unit:mm

Unit:mm

Auxiliary accessories:

Outline	Name	Specification
	Screw array machine	M1.0~5.0mm
	Spring balancer	0.5~3.0kg
	90° bend turning joint	4A9121
	Magnet ring	Ø4,Ø5mm

Additional information:

Weight	490g(T10~45LB)	Torque setting	Stepless
	810g(T48~60LB)	Torque accuracy	High precision
	830g(T65~68LB)	Length	194mm(T10~45LB)
	660g(T10~45LB-RA)		233mm(T48~60LB)
	1200g(T10~45LB-RA)		261mm(T10~45LB-RA)
	1400g(T10~45LB-RA)		298mm(T48~68LB-RA)

Color torque control system:

Green	Yellow	Blue	Red

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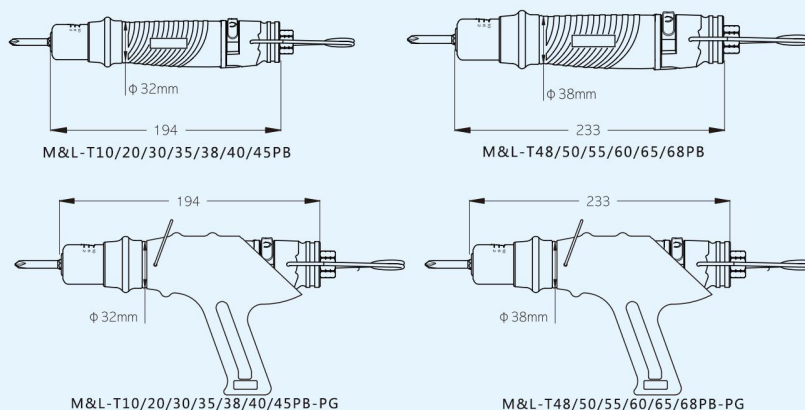
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M&L- T68PB	M&L-T68PB-PG	5.5	8.0	50~280	250	6.0~11.0	4.9~8.7

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Outline	Name	Specification
	Screw array machine	M1.0~5.0mm
	Spring balancer	0.5~3.0kg
	90° bend turning joint	4A9121
	Magnet ring	Ø4,Ø5mm

Additional information:

Weight	430g(T10~45PB)	Torque setting	Stepless
	770g(T48~60PB)	Torque accuracy	High precision
	790g(T65~68PB)	Length	194mm(T10~45PB)
	580g(T10~45PB-PG)		233mm(T48~60PB)
	970g(T10~45PB-PG)		194mm(T10~45PB-PG)
	1090g(T10~45PB-PG)		233mm(T48~68PB-PG)

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