

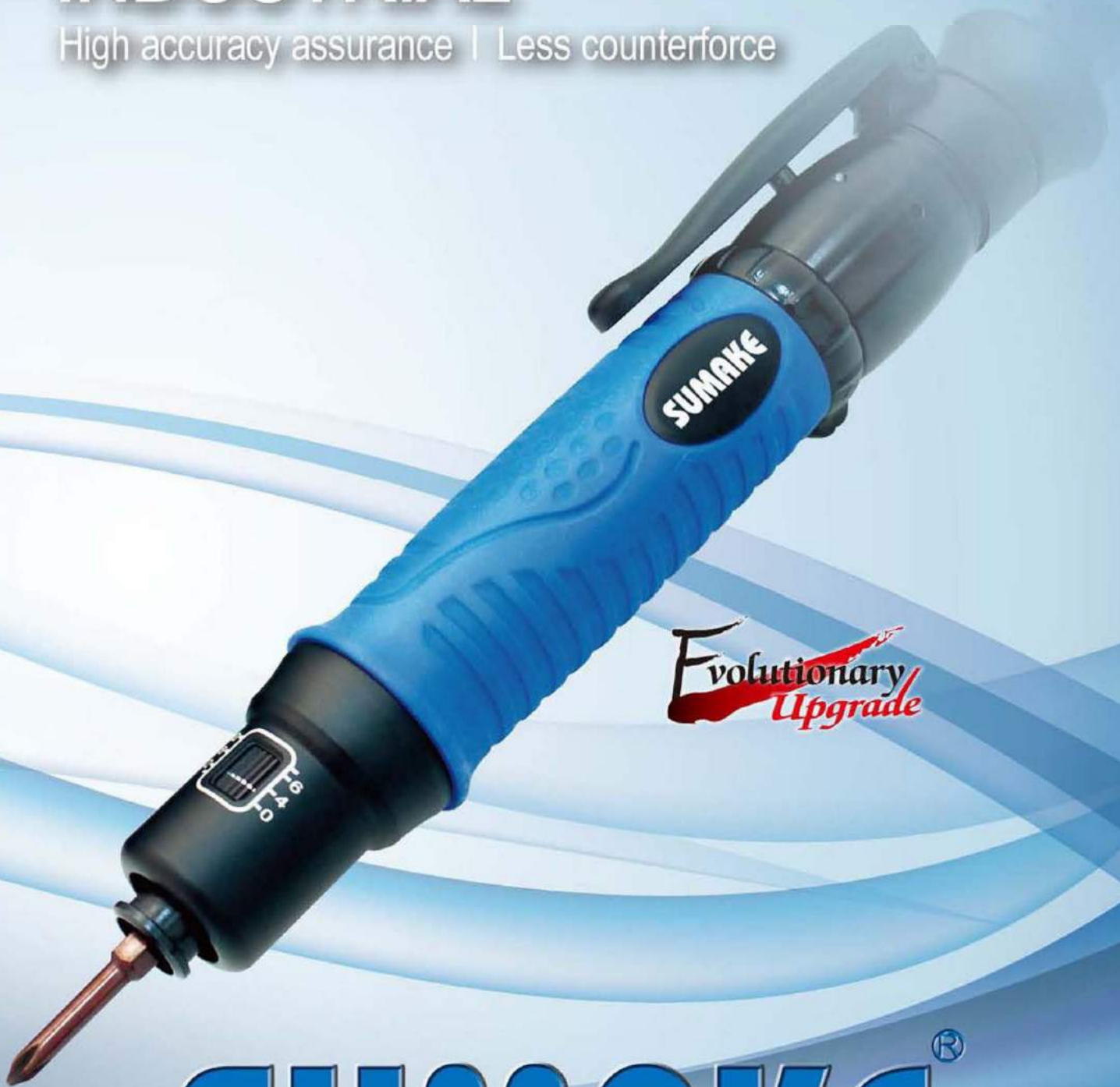
ISO 9001



2024

# AIR SCREWDRIVER INDUSTRIAL

High accuracy assurance | Less counterforce



*Evolutionary  
Upgrade*

# SUMAKE®

MAKE JOBS BETTER THAN EVER

CE

## AUTO SHUT OFF



OIL-FREE SHUT OFF AIR WRENCH P1

AN EVOLUTIONARY UPGRADE OF AIR SCREWDRIVER P2 ~ 5

OIL FREE AIR SCREWDRIVER P6 ~ 7

AIR SCREWDRIVER / WRENCH  
(APP,AWP,ABP series) P8 ~ 11

## CUSHION TYPE



AIR SCREWDRIVER & DRILL  
(ACPN,ACDN,CS,CD series) P12 ~ 14

## DIRECT DRIVEN TYPE



AIR SCREWDRIVER & DRILL  
(AP5,ADPN,ADDN series) P15 ~ 16

## FULL-AUTO SHUT OFF



AIR NUTRUNNER P17 ~ 19

AIR OPEN-END WRENCH P20 ~ 21

## OIL FREE



COMPOSITE AIR REVERSIBLE DIE GRINDER P22

## RECOMMENDATION



TOOLS HOLSTER / SPRING BALANCER P23

TORQUE ARM P24 ~ 25



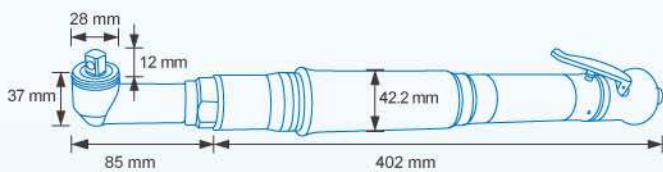
# Oil Free Shut Off Air Wrench

## High Torque

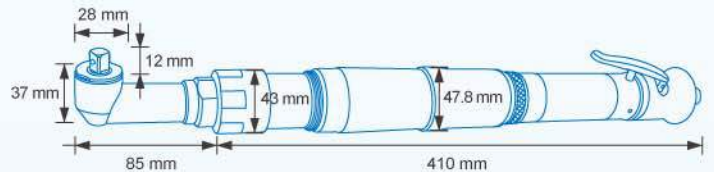
### Features:

- Extended body for comfortable operation and less reaction.
- Oil-free motor, the power keeps stable at top capability without any oil injection.
- With 3<sup>rd</sup> generation patented cross-path MSC clutch and special mechanical structure, the tool accords with ISO5393 B class CPK value torque deviation request(CPK value > 1.33).
- The patented one pulse clutch system has also the feature of low vibration (less than 2.5ms<sup>2</sup>), less torque deviation(±3%) and wide torque range.

# LESS COUNTERFORCE



HAWFHE200-250



HAWFHE400-600

### Specifications :

Recommend Air Pressure: 6.2bar (90 psi)

Model No.	Square Driver (mm)	Capacity Bolt Size		Free Speed (r.p.m)	Torque Range ±3%		Weight (g)	Length (mm)	Dia. (mm)	Air Consumption (m <sup>3</sup> /min)	Standard Deviation	Noise Level (±3dB)	Min. air hose bore (mm)
		inch	mm		kgf-cm	N.m							
HAWFHE200	3/8"	1/4"	M6	1000	50-200	5-20	1,750	487	42.2	0.65	±3%	78	8.0
HAWFHE200H	3/8"	1/4"	M6	1200	50-200	5-20	1,750	487	42.2	0.65	±3%	78	8.0
HAWFHE250	3/8"	1/4"	M6	430	50-250	5-25	1,950	487	42.2	0.65	±3%	78	8.0
HAWFHE400	3/8"	1/4"	M6	250	100-400	10-40	2,400	495	44.9	0.65	±3%	78	8.0
HAWFHE600	1/2"	5/16"	M7	180	350-600	35-60	2,450	495	44.9	0.65	±3%	78	8.0



# The Appearance

# Auto Shut-off

SUMAKE engaging the design and manufacture of air screwdriver. From the user'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, SUMAKE owns several patents and awards. An excellent air screwdriver tool can increase not only efficiency but the quality. A REAL industrial Air screwdriver with 2003 newest total design by the engineers of body, mechanic and ergonomics.

## SUMAKE<sup>®</sup> air screwdriver has following 10 features

- 1 Accuracy** : SUMAKE provide patent clutch with 3% deviation of torque, assure the best quality.
- 2 Economic** : Wide-ranging torque with many patent and longer life cycle of motor.
- 3 Delicacy** : Combination of art, ergonomics and mechanical design.
- 4 Technology** : Special mechanical structure and patent motor give you low noise, low vibration and high accuracy.
- 5 Honorary** : Award "Excellent Tool" at Japan 2002 Osaka exhibition.



**10 Torque fix system**  
To avoid the adjustment by operator and easy to mark the torque through the window This up to date design let you either adjust the torque rapidly or without using the torque lock nut.

**11 Speediness**  
Operator can change the bit rapidly by pull the bit sleeve.

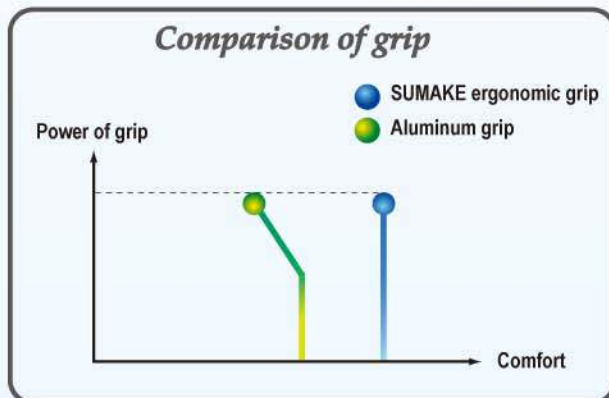
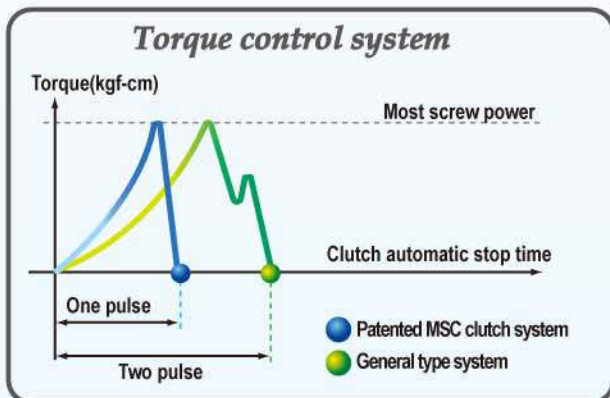
**6 Easy Operation**  
Special design of level for easy operation.

**7 360° swivel Air Inlet**

**8 Torque Rings**  
SUMAKE Color Rings give you an easily visible torque marking system at a glance. Choice the color for each torque level used on your assemble line.

**9 Comfort**  
Uniquely shaped soft resin for ergonomic grip "Top Wave" ergonomic design, best balance and easy to grip. The grip made thermoplastic elastomer, the best material so far, with good touch and anti-glossy feature

**12 Torque Cover**  
To avoid the adjustment by operator and easy to mark the torque through the window.

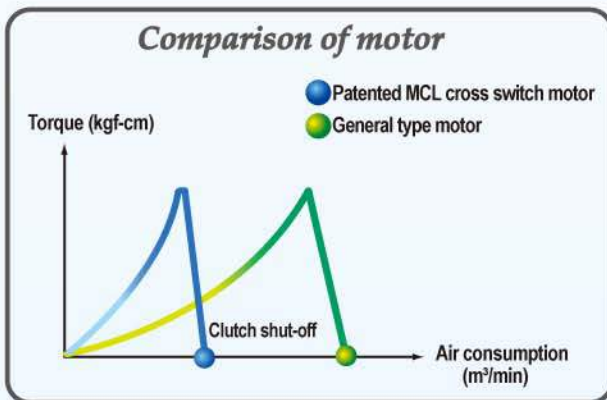
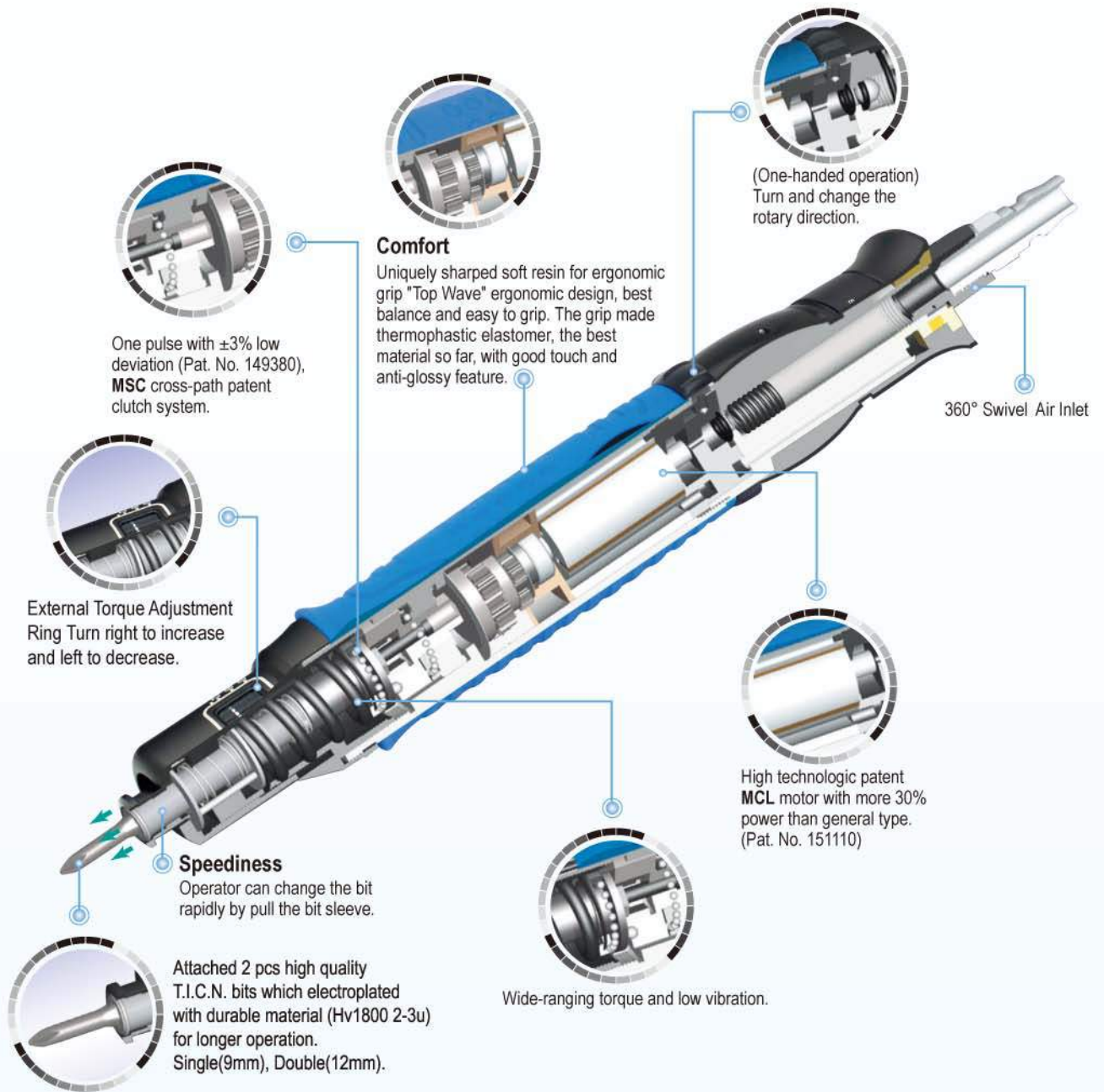


- SUMAKE** Patented MSC cross-path patent clutch system (Automatic start-off type)  
The one pulse has the merits of low vibration (less than 2.5m/s<sup>2</sup>) and low torque deviation (±3%).
- Others** General type  
2-3 times vibration (over 2.5m/s<sup>2</sup>) when pulse with higher torque deviation.

- SUMAKE** Patented SUMAKE ergonomic grip  
More comfortable for operator to raise efficiency.
- Others** General type  
To feel uncomfortable when grip long time.

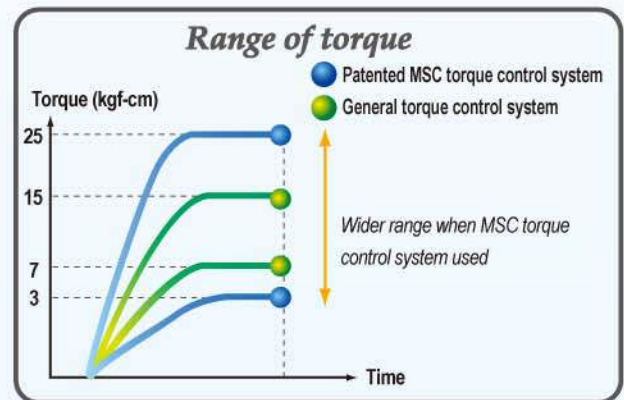
# Disassembly Chart

A New experience of less noise and easy maintenance.



**SUMAKE** Patented MCL cross switch control system (Automatic start shut-off type)  
MCL cross switch motor provide 40% more power and torque than general type.

**Others** General type  
Low power, higher air consumption with lower efficiency.



**SUMAKE** Patented MSC clutch system.  
More wider range of torque when patented motor used. \*When **SUMAKE** model FP025 used.

**Others** General type  
Limited torque range.

# SUMAKE®





# An Evolutionary Upgrade of Full Auto Shut-off Air Screwdriver



**Push Start**



**Lever Start**



**Lever Start, Angle Type**



\*Model FAW010 ~ 050  
With 1/4" Square  
(3/8" Square for Opt.)

\*Model FAW060 ~ 280  
With 3/8" Square

Recommend Air Pressure: 6.0 Kg/cm<sup>2</sup>

Model No.	Free Speed (r.p.m.)	Torque range ±3%		Weight (g)	O.A.L (mm)	Dia. (mm)	Noise (±3dB)	Min. air hose bore (mm)	Air Consumption (m <sup>3</sup> /min)	Fastening Capacity	
		Nm	Kgf-cm							Machine Screw Dia.	Tapping Screw Dia.
<b>Push Start</b>											
FP002	1000	0.05-0.22	0.5-2.2	600	250	35	68	5.0	0.20	M1.0-M2.3	M1.1-M1.8
FP010	1000	0.1-1	1-10	600	250	35	68	5.0	0.20	M1.7-M3.7	M1.3-M2.9
FP020	2200	0.3-2	3-20	600	250	35	72	5.0	0.28	M2.2-M4.5	M1.7-M3.5
FP025	1800	0.3-2.5	3-25	600	250	35	72	5.0	0.28	M2.2-M4.7	M1.7-M3.8
FP035	1000	0.5-3.5	5-35	600	250	35	72	5.0	0.28	M2.8-M5.0	M2.2-M4.0
FP045	800	0.8-4.5	8-45	600	250	35	72	5.0	0.30	M3.3-M5.8	M2.7-M4.7
FP050	550	1-5	10-50	600	250	35	72	5.0	0.30	M3.5-M6.0	M2.8-M4.9
FP060	2200	2-6	20-60	880	285	43	76	8.0	0.55	M3.5-M6.4	M2.8-M5.4
FP075	1000	1.2-7.5	12-75	880	285	43	76	8.0	0.55	M4.1-M6.9	M3.1-M5.9
FP110	550	3-11	30-110	880	285	43	76	8.0	0.55	M5.0-M7.8	M4.0-M6.3
FP180	300	3-18	30-180	900	285	43	76	8.0	0.55	M5.0-M9.3	M4.0-M7.2
FP280	250	5-28	50-280	900	285	43	76	8.0	0.55	M6.0-M11.0	M4.9-M8.7
<b>Lever Start</b>											
FL002	1000	0.05-0.22	0.5-2.2	630	250	35	68	5.0	0.20	M1.0-M2.3	M1.1-M1.8
FL010	1000	0.1-1	1-10	630	250	35	68	5.0	0.20	M1.7-M3.7	M1.3-M2.9
FL020	2200	0.3-2	3-20	630	250	35	72	5.0	0.28	M2.2-M4.5	M1.7-M3.5
FL025	1800	0.3-2.5	3-25	630	250	35	72	5.0	0.28	M2.2-M4.7	M1.7-M3.8
FL035	1000	0.5-3.5	5-35	630	250	35	72	5.0	0.28	M2.8-M5.0	M2.2-M4.0
FL045	800	0.8-4.5	8-45	630	250	35	72	5.0	0.30	M3.3-M5.8	M2.7-M4.7
FL050	550	1-5	10-50	630	250	35	72	5.0	0.30	M3.5-M6.0	M2.8-M4.9
FL060	2200	2-6	20-60	900	285	43	76	8.0	0.55	M3.5-M6.4	M2.8-M5.4
FL075	1000	1.2-7.5	12-75	900	285	43	76	8.0	0.55	M4.1-M6.9	M3.1-M5.9
FL110	550	3-11	30-110	900	285	43	76	8.0	0.55	M5.0-M7.8	M4.0-M6.3
FL180	300	3-18	30-180	920	285	43	76	8.0	0.55	M5.0-M9.3	M4.0-M7.2
FL280	250	5-28	50-280	920	285	43	76	8.0	0.55	M6.0-M11.0	M4.9-M8.7
<b>Lever Start, Angle Type</b>											
FA010	1000	0.1-1	1-10	770	310	35	70	5.0	0.20	M1.7-M3.7	M1.3-M2.9
FA020	2200	0.3-2	3-20	770	310	35	70	5.0	0.28	M2.2-M4.5	M1.7-M3.5
FA025	1800	0.3-2.5	3-25	770	310	35	74	5.0	0.28	M2.2-M4.7	M1.7-M3.8
FA035	1000	0.5-3.5	5-35	770	310	35	74	5.0	0.28	M2.8-M5.0	M2.2-M4.0
FA045	800	0.8-4.5	8-45	770	310	35	74	5.0	0.30	M3.3-M5.8	M2.7-M4.7
FA050	550	1-5	10-50	770	310	35	74	5.0	0.30	M3.5-M6.0	M2.8-M4.9
FA060	2200	2-6	20-60	1350	345	43	74	8.0	0.55	M3.5-M6.4	M2.8-M5.4
FA075	1000	1.2-7.5	12-75	1350	345	43	78	8.0	0.55	M4.1-M6.9	M3.1-M5.9
FA110	550	3-11	30-110	1350	345	43	78	8.0	0.55	M5.0-M7.8	M4.0-M6.3
FA180	300	3-18	30-180	1450	345	43	78	8.0	0.55	M5.0-M9.3	M4.0-M7.2
FA280	250	5-28	50-280	1450	345	43	78	8.0	0.55	M6.0-M11.0	M4.9-M8.7

\*The standard bit is 1/4", if  $\phi$  5mm, put "A" in the end Ex. FP002A



# Oil Free Full Auto Shut-off Air Screwdriver

## High Torque & Low Noise

### TOOL ADVANTAGE

#### 1 High Accuracy Assurance

With SUMAKE patent clutch to assure the best quality, we achieve 2% deviation of torque

#### 2 Less Noise

Unique design of motor could reduce noise level to avoid occupational disease from noise damage and work more efficiently. 4dB lower than last generation and much lower than other brand.

#### 3 The Ergonomic Design Body & Comfort

Internal high-tech mechanical structure combine with external thermoplastic elastomer of grip, consider 20% lighter than others.

Straight type **FXF4 series** not only have best balance design with soft material to easily grip but also anti-reflection appearance. Overall, above features give an idea of artistic and practical tool enable work lessen fatigue in long time.

#### 4 Torque Management – External Torque Adjustment Ring

To adjust the torque rapidly and easily with an outer torque fix system; besides, torque cover can prevent changing the torque by accident.

#### 5 30% Less Counterforce

New generation design has 30% less counterforce and ergonomic grip to improve operator safety and reduce occupational disease.

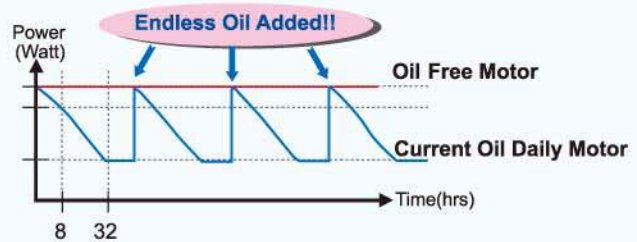
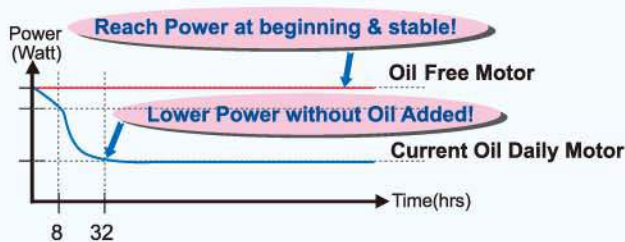
#### 6 Green Energy / Environmental Protection - Energy Saving

With a better performance, our tool not only consumes less power enable to decrease the energy crisis but also helps us to save the environment.

#### 7 High quality Oil free Motor

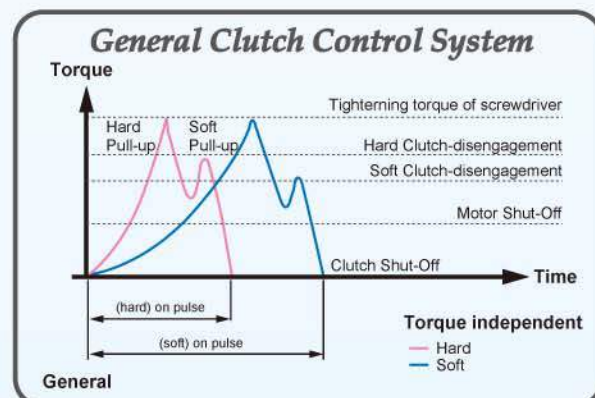
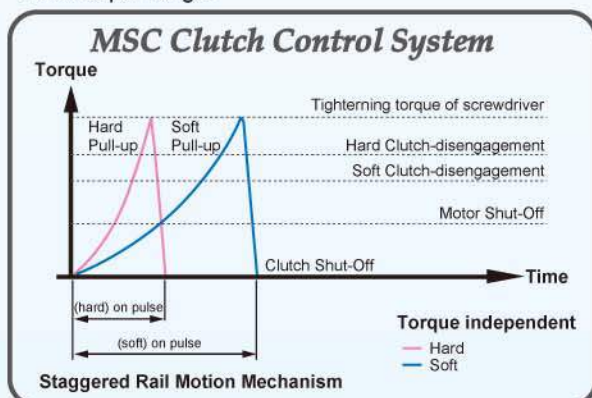
Unique design of high quality Oil free motor advance 60% torque; besides, the noise level is controlled among 70dB.

Oil free motor supply stable power with excellent performance constantly even without oil adding. Innovation model meets the criteria of modern industry; not only consuming less power to save the environment but also improving operator safety to reduce working damage.



#### 8 Meet ISO5393 & VDI-2647 Standard

With 4<sup>th</sup> generation patented cross-path MSC clutch and special mechanical structure, this air screwdriver accords with ISO5393 B class CPK value Torque deviation request (CPK value > 1.33) and VDI-2647 standard (CMK > 1.66). This patented one pulse clutch system has also the merits of low vibration (less than 2.5ms), low torque deviation ( $\pm 2\%$ ) and wide torque range.







# Oil Free Full Auto Shut-off Air Screwdriver

High Torque & Low Noise

**30% Less Counterforce**



**Push Start**



**Lever Start**



**Lever Start, Angle Type**



\*Model FAWF4012 ~ 4050  
With 1/4" Square  
(3/8" Square for Opt.)  
\*Model FAWF4090 ~ 4280  
With 3/8" Square

Recommend Air Pressure: 6.0 Kg/cm<sup>2</sup>

Model No.	Free Speed (r.p.m.)	Torque range ±2%		Weight (g)	O.A.L (mm)	Dia. (mm)	Noise (±3dB)	Min. air hose bore (mm)	Air Consumption (m <sup>3</sup> /min)	Fastening Capacity	
		Nm	Kgf-cm							Machine Screw Dia.	Tapping Screw Dia.
<b>Push Start</b>											
FPF4002	1000	0.05-0.22	0.5-2.2	600	250	35	67	5.0	0.24	M1.0-M2.3	M1.1-M1.8
FPF4012	1000	0.1-1.2	1-12	600	250	35	67	5.0	0.24	M1.7-M3.7	M1.3-M2.9
FPF4020	2200	0.3-2	3-20	600	250	35	67	5.0	0.24	M2.2-M4.5	M1.7-M3.5
FPF4025	1800	0.3-2.5	3-25	600	250	35	67	5.0	0.24	M2.2-M4.7	M1.7-M3.8
FPF4035	1000	0.5-3.5	5-35	600	250	35	67	5.0	0.24	M2.8-M5.0	M2.2-M4.0
FPF4050	800	1-5	10-50	600	250	35	67	5.0	0.24	M3.5-M6.0	M2.8-M4.9
FPF4090	1000	1.5-9	15-90	880	285	43	72	8.0	0.45	M4.1-M6.9	M3.1-M5.9
FPF4120	550	3-12	30-120	880	285	43	72	8.0	0.45	M5.0-M7.8	M4.0-M6.3
FPF4200	300	3-20	30-200	900	285	43	72	8.0	0.45	M5.0-M9.3	M4.0-M7.2
FPF4280	250	5-28	50-280	900	285	43	72	8.0	0.45	M6.0-M11.0	M4.9-M8.7
<b>Lever Start</b>											
FLF4002	1000	0.05-0.22	0.5-2.2	630	250	35	67	5.0	0.24	M1.0-M2.3	M1.1-M1.8
FLF4012	1000	0.1-1.2	1-12	630	250	35	67	5.0	0.24	M1.7-M3.7	M1.3-M2.9
FLF4020	2200	0.3-2	3-20	630	250	35	67	5.0	0.24	M2.2-M4.5	M1.7-M3.5
FLF4025	1800	0.3-2.5	3-25	630	250	35	67	5.0	0.24	M2.2-M4.7	M1.7-M3.8
FLF4035	1000	0.5-3.5	5-35	630	250	35	67	5.0	0.24	M2.8-M5.0	M2.2-M4.0
FLF4050	800	1-5	10-50	630	250	35	67	5.0	0.24	M3.5-M6.0	M2.8-M4.9
FLF4090	1000	1.5-9	15-90	900	285	43	72	8.0	0.45	M4.1-M6.9	M3.1-M5.9
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FAF4025	1800	0.3-2.5	3-25	770	310	35	67	5.0	0.24	M2.2-M4.7	M1.7-M3.8
FAF4035	1000	0.5-3.5	5-35	770	310	35	67	5.0	0.24	M2.8-M5.0	M2.2-M4.0
FAF4050	800	1-5	10-50	770	310	35	67	5.0	0.24	M3.5-M6.0	M2.8-M4.9
FAF4090	1000	1.5-9	15-90	1350	345	43	72	8.0	0.45	M4.1-M6.9	M3.1-M5.9
FAF4120	550	3-12	30-120	1350	345	43	72	8.0	0.45	M5.0-M7.8	M4.0-M6.3
FAF4200	300	3-20	30-200	1450	345	43	72	8.0	0.45	M5.0-M9.3	M4.0-M7.2
FAF4280	250	5-28	50-280	1450	345	43	72	8.0	0.45	M6.0-M11.0	M4.9-M8.7

\* The Standard bit is 1/4" ,if φ 5mm, put "A" in the end Ex. FPF4002A



# The Appearance

# Auto Shut-off

SUMAKE engaging the design and manufacture of air screwdriver. From the user'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, SUMAKE owns several patents and awards. An excellent air screwdriver tool can increase not only efficiency but the quality.

**SUMAKE** air screwdriver has following 12 features:

- 1 Accuracy** : SUMAKE provide patent clutch with 3% deviation of torque, assure the best quality.
- 2 Economic** : Wide-ranging torque with many patent and longer life cycle of motor.
- 3 Delicacy** : Combination of art, ergonomics and mechanical design.
- 4 Technology** : Special mechanical structure and patent motor give you low noise, low vibration and high accuracy.
- 5 Honorary** : Award "Excellent Tool" at Japan 2002 Osaka exhibition.

**6 Speediness**  
Operator can change the bit rapidly by push the bit head.

**7 Trigger auto lock feature**  
World first proprietary auto lock feature (APP type only) with the choice of PUSH or PUSH To Start (to avoid any damage on surface and more safety for operator) can increase the quality of screwing.

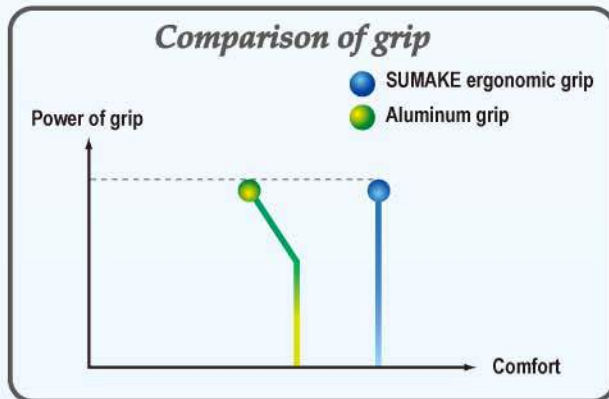
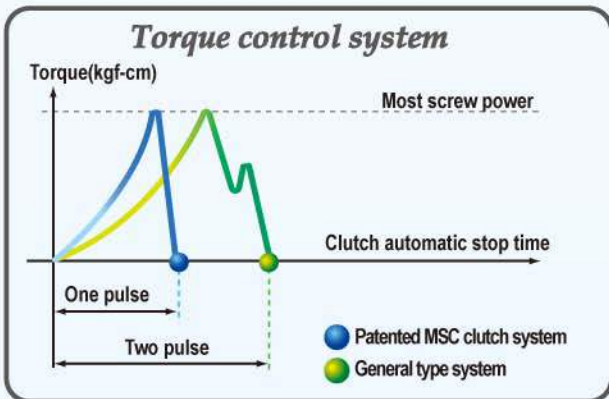
**8 Comfort**  
Pioneer for dual color grip with anti-slide and visual external to provide best balance and comfort in operation.

**9 Soft resin ergonomic design with newest material**  
The weight is 25%~44% less than other brand.

**10 Vent in any direction**  
360° vent available.

**11 Flexible inlet design feature**  
The air inlet direction can be option for assembly line to get flexible space (APP type only).

**12 Friendly operation**  
Easy to switch the direction by single hand.



- SUMAKE** Patented MSC cross-path patent clutch system (Automatic start-off type)  
The one pulse has the merits of low vibration (less than 2.5m/s<sup>2</sup>) and low torque deviation (±3%).
- Other** General type  
2-3 times vibration (over 2.5m/s<sup>2</sup>) when pulse with higher torque deviation.

- SUMAKE** Patented **SUMAKE** ergonomic grip  
More comfortable for operator to raise efficiency.
- Other** General type  
To feel uncomfortable when grip long time.

# Disassembly Chart



Attached 2 pcs high quality T.I.C.N. bits which electroplated with durable material (Hv1800 2-3u) for longer operation. Single(9mm), Double(12mm)



High technologic patent **MCL** motor with more 30% power than general type. (pat. No.151110)



(One-handed operation) Turn and change the rotary direction.



The torque nut used for: Color torque system torque fix system adjust the torque rapidly. Turn right to increase and left to decrease.

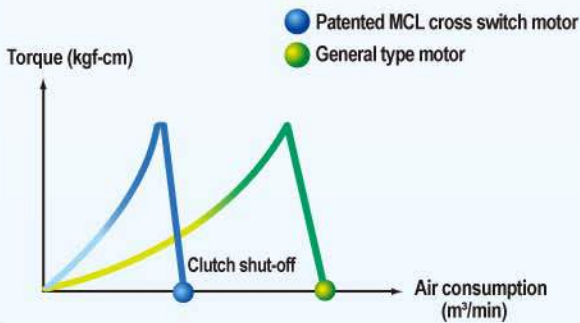


Wide-ranging torque and low vibration.

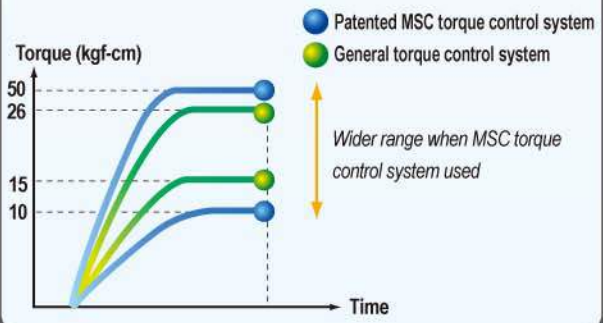


One pulse with  $\pm 3\%$  low deviation (Pat. No.149380), **MSC** cross-path patent clutch system.

## Comparison of motor



## Range of torque



- SUMAKE** **Patented MCL cross switch control system (Automatic start shut-off type)**  
MCL cross switch motor provide 30% more power and torque than general type.
- Others** **General type**  
Low power, higher air consumption with lower efficiency.

- SUMAKE** **Patented MSC clutch system.**  
More wider range of torque when patented motor used. \*When **SUMAKE** model APP47 used.
- Others** **General type**  
Limited torque range.



# Industrial Air Screwdriver

## Features:

- Patent motor: output power: 30% more than other brand.
- Low weight: All new patent mechanical design and grip material 25~44% lighter than other brand.
- New Aluminum alloy materials and the special rubber grip, the A-series tools possess better lasting, wear-resisting and comfortable grasp properties.
- A-series have multi-start function: Push start / Push - Trigger start / Trigger start function.
- With three-direction air inlet: from Up / Bottom / Rear. User can change air-inlet direction per demand and the tool is space flexible.
- Torque external adjustable best balance and easy operation.
- Low vibration, Low noise.



## Push start or Push & Trigger start shut off

Air composite screwdriver



\*Air Inlet could be 3 way option



Lock Pin

APP35 APP41  
APP38 APP47

<Small Body>

-Light Weight-



Lock Pin

APP48 APP60  
APP50 APP65  
APP55 APP68

<Standard Body>

Option:

\*APPT is for push-trigger to start (w/o lock pin) Ex. APPT35.

Model No.	Drive	Free Speed (r.p.m.)	Torque Range±3% (Kgf-cm)	Weight (g)	Dimension (Øx L x H) (mm)	Air Pressure (Kg/cm <sup>2</sup> )	Noise Level (±3dB)	Min. air hose bore (mm)	Air Consumption (m <sup>3</sup> /min)	Fastening Capacity	
										Machine Screw Dia. T	Tapping Screw Dia. 2T
APP35	⊕F1/4"	2200	3-20	690	33 x 195 x 150	6.0	72	5.0	0.28	M2.2-M4.5	M1.7-M3.5
APP38	⊕F1/4"	1800	3-25	690	33 x 195 x 150	6.0	72	5.0	0.28	M2.2-M4.7	M1.7-M3.8
APP41	⊕F1/4"	1000	5-35	690	33 x 195 x 150	6.0	72	5.0	0.28	M2.8-M5.2	M2.2-M4.2
APP47	⊕F1/4"	550	10-50	690	33 x 195 x 150	6.0	72	5.0	0.28	M3.6-M6.0	M2.8-M4.7
APP48	⊕F1/4"	2200	10-60	1030	39 x 230 x 160	6.0	76	8.0	0.55	M2.9-M6.0	M2.6-M4.9
APP50	⊕F1/4"	1400	10-60	1030	39 x 230 x 160	6.0	76	8.0	0.55	M3.8-M6.2	M2.8-M5.1
APP55	⊕F1/4"	1000	12-75	1030	39 x 230 x 160	6.0	76	8.0	0.55	M3.8-M6.6	M3.0-M5.6
APP60	⊕F1/4"	550	30-110	1030	39 x 230 x 160	6.0	76	8.0	0.55	M5.0-M7.3	M4.0-M6.2
APP65	⊕F1/4"	300	30-180	1150	39 x 235 x 160	6.0	76	8.0	0.55	M5.0-M9.3	M4.0-M7.2
APP68	⊕F1/4"	250	50-280	1150	39 x 235 x 160	6.0	76	8.0	0.55	M6.0-M11.0	M4.9-M8.7

\* If Ø5mm, put "A" in the end Ex. APP35A

\* Standard air inlet direction up bottom only. If need three-direction air inlet up bottom rear, put "T" in the end Ex. APP35T.



# Trigger start-shut off

Air composite **wrench** (With 3/8" Square Anvil)



\*Air Inlet could be 3 way option



**AWP48 AWP60**  
**AWP50 AWP65**  
**AWP55 AWP68**  
<Standard Body>

Model No.	Square Driver (mm)	Capacity Bolt Size		Free Speed (r.p.m)	Torque Range±3% (Kgf-cm)	Weight (g)	Dimension (Ø x L x H) (mm)	Air Pressure (Kg/cm²)	Noise Level (±3dB)	Min. air hose bore (mm)	Air Consumption (m³/min)
		inch	mm								
AWP48	3/8"	1/4"	M6	2200	10-60	1030	39 x 230 x 160	6.0	76	8.0	0.55
AWP50	3/8"	1/4"	M6	1400	10-60	1030	39 x 230 x 160	6.0	76	8.0	0.55
AWP55	3/8"	1/4"	M6	1000	12-75	1030	39 x 230 x 160	6.0	76	8.0	0.55
AWP60	3/8"	1/4"	M6	550	30-110	1030	39 x 230 x 160	6.0	76	8.0	0.55
AWP65	3/8"	1/4"	M6	300	30-180	1150	39 x 235 x 160	6.0	76	8.0	0.55
AWP68	3/8"	1/4"	M6	250	50-280	1150	39 x 235 x 160	6.0	76	8.0	0.55

\* If φ5mm, put "A" in the end Ex. AWP48A

\* Standard air inlet direction up bottom only. If need three-direction air inlet up bottom rear, put "T" in the end Ex. AWP35T.



# Trigger start-shut off

Air composite screwdriver



\*Air Inlet could be 3 way option



**ABP35 ABP41**  
**ABP38 ABP47**  
<Small Body>  
-Light Weight-



**ABP48 ABP60**  
**ABP50 ABP65**  
**ABP55 ABP68**  
<Standard Body>

Option:

\* ASP is push start Ex. ASP35. Standard air inlet is from rear only. (w/o lock pin) Other air inlet direction please specify.

Model No.	Drive	Free Speed (r.p.m)	Torque Range±3% (Kgf-cm)	Weight (g)	Dimension (Ø x L x H) (mm)	Air Pressure (Kg/cm²)	Noise Level (±3dB)	Min. air hose bore (mm)	Air Consumption (m³/min)	Fastening Capacity	
										Machine Screw Dia.	Tapping Screw Dia.
										T	2T
ABP35	⊕F1/4"	2200	3-20	690	33 x 195 x 150	6.0	72	5.0	0.28	M2.2-M4.5	M1.7-M3.5
ABP38	⊕F1/4"	1800	3-25	690	33 x 195 x 150	6.0	72	5.0	0.28	M2.2-M4.7	M1.7-M3.8
ABP41	⊕F1/4"	1000	5-35	690	33 x 195 x 150	6.0	72	5.0	0.28	M2.8-M5.2	M2.2-M4.2
ABP47	⊕F1/4"	550	10-50	690	33 x 195 x 150	6.0	72	5.0	0.28	M3.6-M6.0	M2.8-M4.7
ABP48	⊕F1/4"	2200	10-60	1030	39 x 230 x 160	6.0	76	8.0	0.55	M2.9-M6.0	M2.6-M4.9
ABP50	⊕F1/4"	1400	10-60	1030	39 x 230 x 160	6.0	76	8.0	0.55	M3.6-M6.2	M2.8-M5.1
ABP55	⊕F1/4"	1000	12-75	1030	39 x 230 x 160	6.0	76	8.0	0.55	M3.8-M6.6	M3.0-M5.6
ABP60	⊕F1/4"	550	30-110	1030	39 x 230 x 160	6.0	76	8.0	0.55	M5.0-M7.3	M4.0-M6.2
ABP65	⊕F1/4"	300	30-180	1150	39 x 235 x 160	6.0	76	8.0	0.55	M5.0-M9.3	M4.0-M7.2
ABP68	⊕F1/4"	250	50-280	1150	39 x 235 x 160	6.0	76	8.0	0.55	M6.0-M11.0	M4.9-M8.7

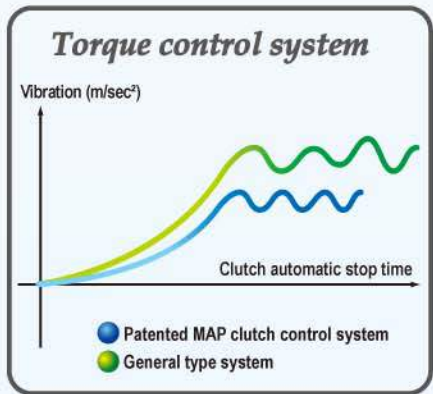
\* If φ5mm, put "A" in the end Ex. ABP35A

\* Standard air inlet direction up bottom only. If need three-direction air inlet up bottom rear, put "T" in the end Ex. ABP35T.



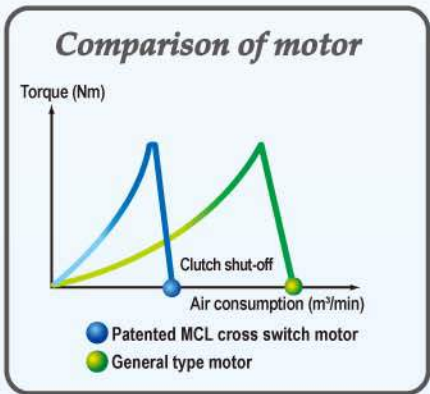
# The Appearance

# Cushion type



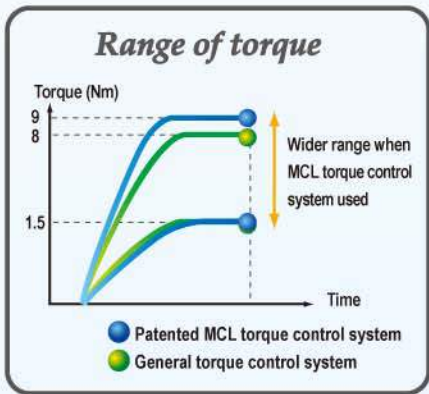
**SUMAKE** Patented MAP clutch control system  
Lower vibration for more accurate torque control.

**Other** General type  
Higher vibration.



**SUMAKE** Patented MCL cross switch control system  
MCL cross switch motor provide 30% more power and torque than general type.

**Other** General type  
lower power, higher air consumption with lower efficiency.



**SUMAKE** Patented MCL torque control system  
More wider range of torque when patented motor used.  
\*When **SUMAKE** model ACP58 used.

**Other** General type  
Limited torque range.



# Air Screwdriver Cushion Type

(Torque External Adjustable)



\*Air Inlet could be 3 way option



**ACPN39**  
**ACPN45**  
<Small Body>  
-Light Weight-



**ACPN48**  
**ACPN58**  
<Standard Body>

Model No.	Drive	Bolt Capacity (mm)	Torque Range Soft Joint (N-m)	No Load Speed (r.p.m.)	Dimension (Ø x L x H) (mm)	Avg. Air Consumption		Weight (g)	Noise Level (±3dB)	Min. Air Hose Bore (I.D.)
						cfm	m³/min			
ACPN39	◇ F1/4"	2.5 ~ 5.0	0.5 ~ 5.0	1600	36 x 140 x 142	10	0.28	600	72	5.0mm
ACPN45	◇ F1/4"	2.5 ~ 6.0	0.5 ~ 7.0	750	36 x 140 x 142	10	0.28	600	72	5.0mm
ACPN48	◇ F1/4"	3.0 ~ 6.0	1.0 ~ 7.0	1700	43 x 165 x 154	19	0.55	870	76	8.0mm
ACPN58	◇ F1/4"	3.0 ~ 7.0	1.0 ~ 13.0	750	43 x 165 x 154	19	0.55	870	76	8.0mm

\*With "N" : Trigger starts only.

\*W/O "N" (ACPN39) : Two way operations. (One is trigger locked up with pin and works by push-down; the other works by trigger-on & push-down together.)



# 3 in 1 Air Drill & Air Screwdriver Cushion Type

(Torque External Adjustable)



Use Screw

Use Drilling

Use Tapping

\*Air Inlet could be 3 way option



**ACDN39** 10mm(3/8")  
**ACDN45** 10mm(3/8")  
<Small Body>  
-Light Weight-



**ACDN48** 10mm(3/8")  
**ACDN58** 10mm(3/8")  
**ACDN458** 13mm(1/2")  
<Standard Body>

\*Side handle for ACDN458 type

Model No.	Drilling Cap		Bolt Capacity (mm)	Torque Range Soft Joint (N-m)	No Load Speed (r.p.m.)	Dimension (Ø x L x H) (mm)	Avg. Air Consumption		Weight (g)	Noise Level (±3dB)	Min. Air Hose Bore (I.D.)
	mm	inch					cfm	m³/min			
ACDN39	10	3/8	2.5~5.0	0.5 ~ 5.0	1600	36 x 165 x 142	10	0.28	750	72	5.0mm
ACDN45	10	3/8	2.5~5.0	0.5 ~ 7.0	750	36 x 165 x 142	10	0.28	750	72	5.0mm
ACDN48	10	3/8	3.0~6.0	1.0 ~ 7.0	1700	43 x 214 x 154	19	0.55	1100	76	8.0mm
ACDN58	10	3/8	3.0~7.0	1.0 ~ 13.0	750	43 x 214 x 154	19	0.55	1100	76	8.0mm
ACDN458	13	1/2	3.0~7.0	1.0 ~ 13.0	750	45 x 235 x 160	19	0.55	1100	76	8.0mm



# Air Screwdriver Cushion Type

(Torque External Adjustable)



**CS39**  
**CS45**

<Small Body>  
-Light Weight-



**CS48**  
**CS58**

<Standard Body>

Model No.	Drive	Bolt Capacity (mm)	Torque Range Hard Joint (N-m)	No Load Speed (r.p.m.)	Dimension (Ø x L) (mm)	Avg. Air Consumption		Weight (g)	Noise Level (±3dB)	Min. Air Hose Bore (I.D.)
						cfm	m³/min			
CS39	○ F1/4"	2.5 ~ 5.0	5.0	1600	35 x 140	10	0.28	600	72	5mm
CS45	○ F1/4"	2.5 ~ 6.0	7.0	750	35 x 140	10	0.28	600	72	5mm
CS48	○ F1/4"	3.0 ~ 6.0	7.0	1700	43 x 195	19	0.55	840	77	8mm
CS58	○ F1/4"	3.0 ~ 7.0	13.0	750	43 x 195	19	0.55	840	77	8mm



# 3 in 1 Air Drill & Air Screwdriver Cushion Type

(Torque External Adjustable)



Use Screw



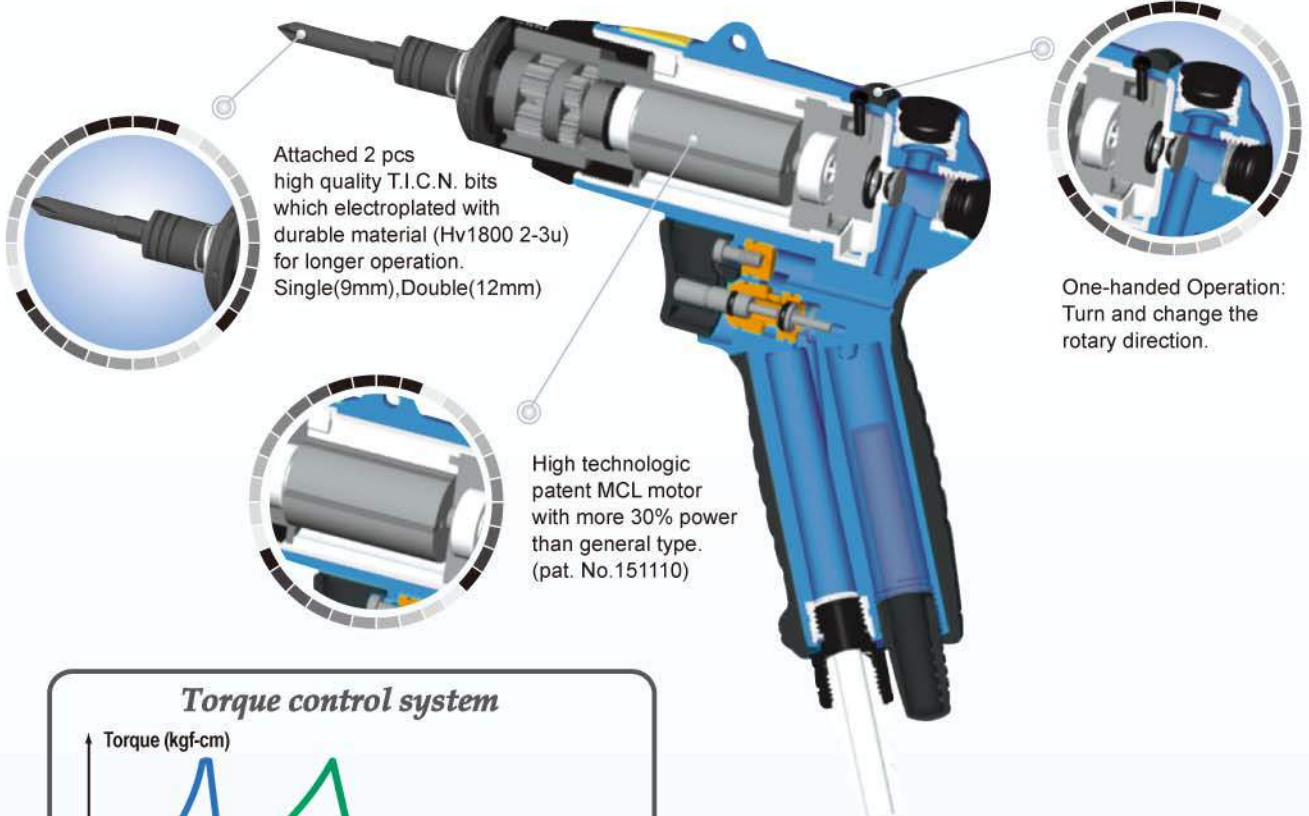
Use Drilling



Use Tapping

Model No.	Drilling Cap		Torque Range Hard Joint (N-m)	No Load Speed (r.p.m.)	Dimension (Ø x L) (mm)	Avg. Air Consumption		Weight (g)	Noise Level (±3dB)	Min. Air Hose Bore (I.D.)
	mm	inch				cfm	m³/min			
CD39	10	3/8	5.0	1600	43 x 258	19	0.55	1022	76	8mm
CD48	10	3/8	7.0	1700	43 x 244	19	0.55	1000	77	8mm
CD58	10	3/8	13.0	750	43 x 244	19	0.55	1000	77	8mm

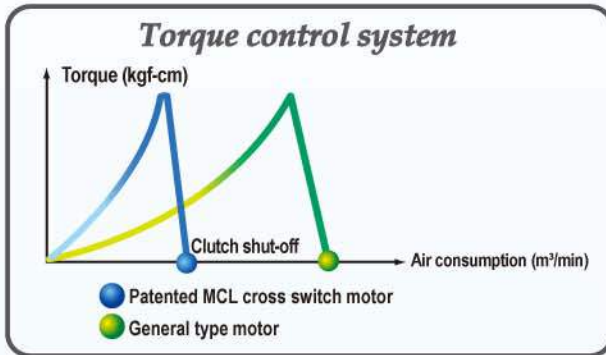




Attached 2 pcs high quality T.I.C.N. bits which electroplated with durable material (Hv1800 2-3u) for longer operation. Single(9mm), Double(12mm)

One-handed Operation: Turn and change the rotary direction.

High technologic patent MCL motor with more 30% power than general type. (pat. No.151110)



**SUMAKE** Panted MCL cross switch control system  
MCL cross switch motor provide 30% more power and torque than general type.

**Others** General type  
Low power, higher air consumption with lower efficiency.

## Pistol Air Screwdriver Positive Type



\*Air Inlet could be 3 way option



Positive Clutch is the most basic type of engaging-disengaging clutch. Torque output is determined by the force applied by the operator.

Application:

- Very good job in wood screw.
- Good job in self-tapping screw (but offers no torque control).
- Good job in soft pull -up.

**APS39**  
<Small Body>  
-Light Weight-

**APS48**  
**APS58**  
<Standard Body>

Model No.	Drive	Bolt Capacity (mm)	Free Speed (r.p.m)	Max. Torque Hard Joint (N-m)	O.A.L (mm)	High (mm)	Avg. Air Consumption		Weight (g)	Noise Level (±3dB)	Min. Air Hose Bore (I.D.)
							cfm	m <sup>3</sup> /min			
APS39	⬡ F1/4"	3 ~ 5	1,600	5.0	160	142	10	0.28	600	70	5mm
APS48	⬡ F1/4"	3 ~ 6	1,700	7.0	210	154	19	0.55	840	75	8mm
APS58	⬡ F1/4"	3 ~ 7	750	13.0	210	154	19	0.55	840	75	8mm

\* Standard air inlet direction up bottom only. If need three-direction air inlet up bottom rear, put "T" in the end Ex. APS39T.



# Pistol Air Screwdriver *Direct Driven Type*

(Without Clutch)



\*Air Inlet could be 3 way option



**ADPN39**  
<Small Body>  
-Light Weight-



**ADPN45**  
<Small Body>  
-Light Weight-



**ADPN48**  
**ADPN58**  
<Standard Body>

Model No.	Drive	Bolt Capacity (mm)	Max. Torque Soft Joint		No Load Speed (r.p.m.)	Dimension (Ø x L x H) (mm)	Avg. Air Consumption		Weight (g)	Noise Level (±3dB)	Min. Air Hose Bore (I.D.)
			(N-m)	Ft-lb			cfm	m³/min			
ADPN39	⬡ F1/4"	3 ~ 5	5.0	3.7	1600	36 x 140 x 142	10	0.28	550	72	5mm
ADPN45	⬡ F1/4"	3 ~ 6	7.0	4.3	750	45 x 159 x 154	10	0.28	550	76	8mm
ADPN48	⬡ F1/4"	3 ~ 6	7.0	4.3	1700	45 x 159 x 154	19	0.55	780	76	8mm
ADPN58	⬡ F1/4"	3 ~ 7	13.0	9.6	750	45 x 159 x 154	19	0.55	780	76	8mm

\*With "N" : Trigger starts only.

\*W/O "N" (ADP39) : Two way operations. (One is trigger locked up with pin and works by push-down; the other works by trigger-on & push-down together.)



# Pistol Air Drill *Direct Driven Type*

(Without Clutch)



\*Air Inlet could be 3 way option



**ADDN26** 6mm(1/4")  
<Small Body>  
-Light Weight-



**ADDN39** 10mm(3/8")  
<Small Body>  
-Light Weight-



**ADDN48** 10mm(3/8")  
**ADDN58** 10mm(3/8")  
**ADDN458** 13mm(1/2")  
<Standard Body>



\*Side handle for ADDN458 type

Model No.	Drilling Cap		Bolt Capacity (mm)	Max. Torque Soft Joint		No Load Speed (r.p.m.)	Dimension (Ø x L x H) (mm)	Avg. Air Consumption		Weight (g)	Noise Level (±3dB)	Min. Air Hose Bore (I.D.)
	mm	inch		(N-m)	Ft-lb			cfm	m³/min			
ADDN26	6	1/4	3 ~ 5	3.5	2.6	2900	36 x 140 x 142	10	0.28	630	72	5mm
ADDN39	10	3/8	3 ~ 5	5.0	3.7	1600	36 x 140 x 142	10	0.28	630	72	5mm
ADDN48	10	3/8	3 ~ 6	7.0	5.0	1700	45 x 159 x 150	19	0.55	970	76	8mm
ADDN58	10	3/8	3 ~ 6	13.0	9.6	750	45 x 159 x 150	19	0.55	970	76	8mm
ADDN458	13	1/2	3 ~ 6	13.0	9.6	750	45 x 159 x 150	19	0.55	1060	76	8mm

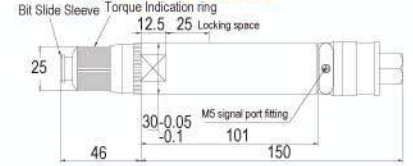


# Air Nutrunner Air Start Shut-off

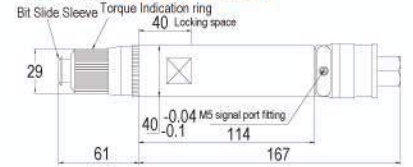
(Immediate and Automatic air shut-off) -Forward type-



\*For Model **SM10 ~ SM45**



\*For Model **SM48 ~ SM68**



Model No.	Free Speed (r.p.m.)	O.A.L. (mm)	Dia. (mm)	air hose bore		Air Consumption (m³/min)	Torque Range (Kgf-cm)	Vibration Level (ms²)	Standard Deviation (%)	Fastening Capacity	
				6.0 Kg/cm³	5.0 Kg/cm³					Machine Screw	Tapping Screw
				T	2T						
SM10	1000	196	30	5.0	6.35	0.20	0.5-2	<1.0	±3	M1.0-M2.2	M1.1-M1.7
SM20	1000	196	30	5.0	6.35	0.20	1-8	<1.0	±3	M1.7-M3.3	M1.3-M2.7
SM30	1800	196	30	5.0	6.35	0.28	3-17	<1.2	±3	M2.2-M4.2	M1.6-M3.2
SM35	2200	196	30	5.0	6.35	0.28	3-20	<1.2	±3	M2.4-M4.5	M2.0-M3.5
SM40	1000	196	30	5.0	6.35	0.28	5-30	<1.2	±3	M2.8-M5.0	M2.3-M4.0
SM45	800	196	30	6.35	8.0	0.30	8-40	<1.6	±3	M3.0-M5.7	M2.7-M4.4
SM48	1700	228	40	8.0	9.5	0.55	5-45	<2.5	±3	M2.8-M5.8	M2.3-M4.7
SM50	1400	228	40	8.0	9.5	0.55	7-50	<2.5	±3	M2.9-M6.0	M2.6-M4.9
SM55	1000	228	40	8.0	9.5	0.55	7-65	<2.5	±3	M2.9-M6.4	M2.6-M5.4
SM60	550	228	40	8.0	9.5	0.55	15-95	<2.5	±3	M4.1-M7.0	M3.3-M6.0
SM65	300	228	40	8.0	9.5	0.55	30-180	<2.5	±3	M5.0-M9.3	M4.0-M7.2
SM68	250	228	40	8.0	9.5	0.55	50-280	<2.5	±3	M6.0-M11.0	M4.9-M8.7

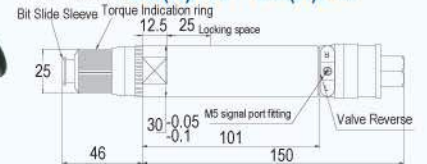


# Air Nutrunner Push to Start Shut-off

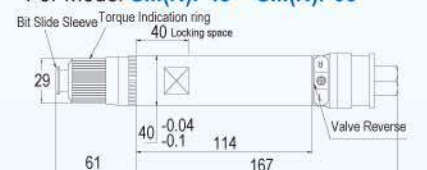
(Immediate and Automatic air shut-off)



\*For Model **SM(N)P10 ~ SM(N)P45**



\*For Model **SM(N)P48 ~ SM(N)P68**



Model No.	Free Speed (r.p.m.)	O.A.L. (mm)	Dia. (mm)	air hose bore		Air Consumption (m³/min)	Torque Range (Kgf-cm)	Vibration Level (ms²)	Standard Deviation (%)	Fastening Capacity	
				6.0 Kg/cm³	5.0 Kg/cm³					Machine Screw	Tapping Screw
				T	2T						
SM(N)P10	1000	196	30	5.0	6.35	0.20	0.5-2	<1.0	±3	M1.0-M2.2	M1.1-M1.7
SM(N)P20	1000	196	30	5.0	6.35	0.20	1-8	<1.0	±3	M1.7-M3.3	M1.3-M2.7
SM(N)P30	1800	196	30	5.0	6.35	0.28	3-17	<1.2	±3	M2.2-M4.2	M1.6-M3.2
SM(N)P35	2200	196	30	5.0	6.35	0.28	3-20	<1.2	±3	M2.4-M4.5	M2.0-M3.5
SM(N)P40	1000	196	30	5.0	6.35	0.28	5-30	<1.2	±3	M2.8-M5.0	M2.3-M4.0
SM(N)P45	800	196	30	6.35	8.0	0.30	8-40	<1.6	±3	M3.0-M5.7	M2.7-M4.4
SM(N)P48	1700	228	40	8.0	9.5	0.55	5-45	<2.5	±3	M2.8-M5.8	M2.3-M4.7
SM(N)P50	1400	228	40	8.0	9.5	0.55	7-50	<2.5	±3	M2.9-M6.0	M2.6-M4.9
SM(N)P55	1000	228	40	8.0	9.5	0.55	7-65	<2.5	±3	M2.9-M6.4	M2.6-M5.4
SM(N)P60	550	228	40	8.0	9.5	0.55	15-95	<2.5	±3	M4.1-M7.0	M3.3-M6.0
SM(N)P65	300	228	40	8.0	9.5	0.55	30-180	<2.5	±3	M5.0-M9.3	M4.0-M7.2
SM(N)P68	250	228	40	8.0	9.5	0.55	50-280	<2.5	±3	M6.0-M11.0	M4.9-M8.7

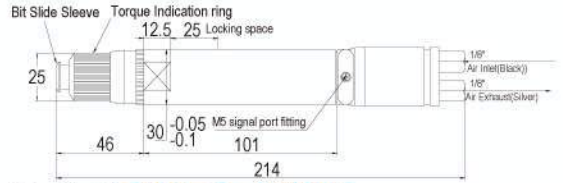


# Air Nutrunner Air Start Shut-off

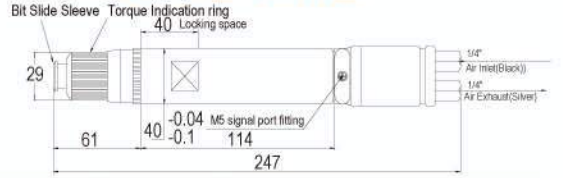
(Immediate and Automatic air shut-off) -environment protect-Forward type-



\*For Model **SM10/O.E. ~ SM45/O.E.**



\*For Model **SM48/O.E. ~ SM68/O.E.**



Model No.	Free Speed (r.p.m.)	O.A.L. (mm)	Dia. (mm)	Air hose bore		Air Consumption (m³/min)	Torque Range (Kgf-cm)	Vibration Level (ms²)	Standard Deviation (%)	Fastening Capacity	
				6.0 Kg/cm³	5.0 Kg/cm³					Machine Screw T	Tapping Screw 2T
SM10/O.E.	1000	214	30	5.0	6.35	0.20	0.5-2	<1.0	±3	M1.0-M2.2	M1.1-M1.7
SM20/O.E.	1000	214	30	5.0	6.35	0.20	1-8	<1.0	±3	M1.7-M3.3	M1.3-M2.7
SM30/O.E.	1800	214	30	5.0	6.35	0.28	3-17	<1.2	±3	M2.2-M4.2	M1.6-M3.2
SM35/O.E.	2200	214	30	5.0	6.35	0.28	3-20	<1.2	±3	M2.4-M4.5	M2.0-M3.5
SM40/O.E.	1000	214	30	5.0	6.35	0.28	5-30	<1.2	±3	M2.8-M5.0	M2.3-M4.0
SM45/O.E.	800	214	30	6.35	8.0	0.30	8-40	<1.6	±3	M3.0-M5.7	M2.7-M4.4
SM48/O.E.	1700	247	40	8.0	9.5	0.55	5-45	<2.5	±3	M2.8-M5.8	M2.3-M4.7
SM50/O.E.	1400	247	40	8.0	9.5	0.55	7-50	<2.5	±3	M2.9-M6.0	M2.6-M4.9
SM55/O.E.	1000	247	40	8.0	9.5	0.55	7-65	<2.5	±3	M2.9-M6.4	M2.6-M5.4
SM60/O.E.	550	247	40	8.0	9.5	0.55	15-95	<2.5	±3	M4.1-M7.0	M3.3-M6.0
SM65/O.E.	300	247	40	8.0	9.5	0.55	30-180	<2.5	±3	M5.0-M9.3	M4.0-M7.2
SM68/O.E.	250	247	40	8.0	9.5	0.55	50-280	<2.5	±3	M6.0-M11.0	M4.9-M8.7

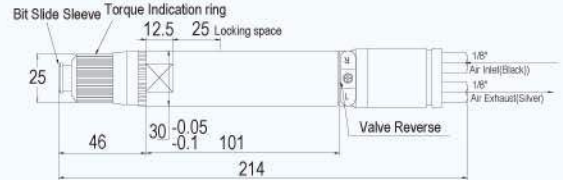


# Air Nutrunner Push to Start Shut-off

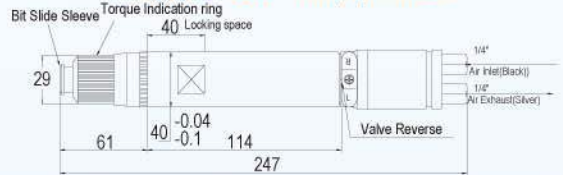
(Immediate and Automatic air shut-off) -environment protect-



\*For Model **SM(N)P10/O.E. ~ SM(N)P45/O.E.**



\*For Model **SM(N)P48/O.E. ~ SM(N)P68/O.E.**



\*Forward and Reverse for **SMP/O.E. type**

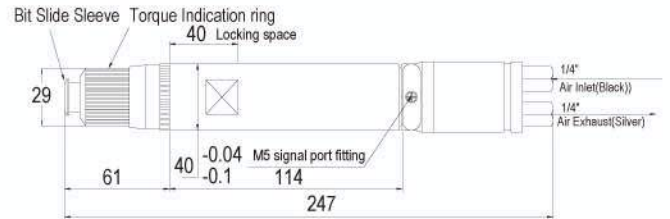
\*Forward for **SMNP/O.E. type**

Model No.	Free Speed (r.p.m.)	O.A.L. (mm)	Dia. (mm)	Air hose bore		Air Consumption (m³/min)	Torque Range (Kgf-cm)	Vibration Level (ms²)	Standard Deviation (%)	Fastening Capacity	
				6.0 Kg/cm³	5.0 Kg/cm³					Machine Screw T	Tapping Screw 2T
SM(N)P10/O.E.	1000	214	30	5.0	6.35	0.20	0.5-2	<1.0	±3	M1.0-M2.2	M1.1-M1.7
SM(N)P20/O.E.	1000	214	30	5.0	6.35	0.20	1-8	<1.0	±3	M1.7-M3.3	M1.3-M2.7
SM(N)P30/O.E.	1800	214	30	5.0	6.35	0.28	2-16	<1.2	±3	M2.2-M4.2	M1.6-M3.2
SM(N)P35/O.E.	2200	214	30	5.0	6.35	0.28	3-20	<1.2	±3	M2.4-M4.5	M2.0-M3.5
SM(N)P40/O.E.	1000	214	30	5.0	6.35	0.28	5-30	<1.2	±3	M2.8-M5.0	M2.3-M4.0
SM(N)P45/O.E.	800	214	30	6.35	8.0	0.30	8-40	<1.6	±3	M3.0-M5.7	M2.7-M4.4
SM(N)P48/O.E.	1700	247	40	8.0	9.5	0.55	5-45	<2.5	±3	M2.8-M5.8	M2.3-M4.7
SM(N)P50/O.E.	1400	247	40	8.0	9.5	0.55	7-50	<2.5	±3	M2.9-M6.0	M2.6-M4.9
SM(N)P55/O.E.	1000	247	40	8.0	9.5	0.55	7-65	<2.5	±3	M2.9-M6.4	M2.6-M5.4
SM(N)P60/O.E.	550	247	40	8.0	9.5	0.55	15-95	<2.5	±3	M4.1-M7.0	M3.3-M6.0
SM(N)P65/O.E.	300	247	40	8.0	9.5	0.55	30-180	<2.5	±3	M5.0-M9.3	M4.0-M7.2
SM(N)P68/O.E.	250	247	40	8.0	9.5	0.55	50-280	<2.5	±3	M6.0-M11.0	M4.9-M8.7



## Air Nutrunner Air Start Shut-off

(Immediate and Automatic air shut-off) -Forward and Reversible type-  
3 Air ways (2 for air in forward, reverse & 1 for air out)

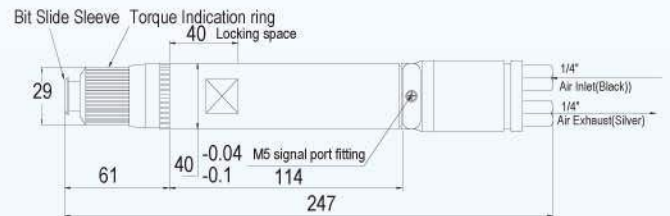


Model No.	Free Speed (r.p.m.)	O.A.L. (mm)	Dia. (mm)	air hose bore		Air Consumption (m <sup>3</sup> /min)	Torque Range (Kgf-cm)	Vibration Level (ms <sup>2</sup> )	Standard Deviation (%)	Fastening Capacity	
				6.0 Kg/cm <sup>3</sup>	5.0 Kg/cm <sup>3</sup>					Machine Screw	Tapping Screw
				T	2T						
SMR48/O.E.	1800	247	40	8.0	9.5	0.55	5-45	<2.5	±3	M2.8-M5.8	M2.3-M4.7
SMR50/O.E.	1400	247	40	8.0	9.5	0.55	7-50	<2.5	±3	M2.9-M6.0	M2.6-M4.9
SMR55/O.E.	1000	247	40	8.0	9.5	0.55	7-65	<2.5	±3	M2.9-M6.4	M2.6-M5.4
SMR60/O.E.	550	247	40	8.0	9.5	0.55	15-95	<2.5	±3	M4.1-M7.0	M3.3-M6.0
SMR65/O.E.	300	247	40	8.0	9.5	0.55	30-180	<2.5	±3	M5.0-M9.3	M4.0-M7.2
SMR68/O.E.	250	247	40	8.0	9.5	0.55	50-280	<2.5	±3	M6.0-M11.0	M4.9-M8.7



## Air Nutrunner Push to Start Shut-off

(Immediate and Automatic air shut-off) -Forward and Reversible type-  
3 Air ways (2 for air in forward, reverse & 1 for air out)



Model No.	Free Speed (r.p.m.)	O.A.L. (mm)	Dia. (mm)	air hose bore		Air Consumption (m <sup>3</sup> /min)	Torque Range (Kgf-cm)	Vibration Level (ms <sup>2</sup> )	Standard Deviation (%)	Fastening Capacity	
				6.0 Kg/cm <sup>3</sup>	5.0 Kg/cm <sup>3</sup>					Machine Screw	Tapping Screw
				T	2T						
SMPR48/O.E.	1800	247	40	8.0	9.5	0.55	5-45	<2.5	±3	M2.8-M5.8	M2.3-M4.7
SMPR50/O.E.	1400	247	40	8.0	9.5	0.55	7-50	<2.5	±3	M2.9-M6.0	M2.6-M4.9
SMPR55/O.E.	1000	247	40	8.0	9.5	0.55	7-65	<2.5	±3	M2.9-M6.4	M2.6-M5.4
SMPR60/O.E.	550	247	40	8.0	9.5	0.55	15-95	<2.5	±3	M4.1-M7.0	M3.3-M6.0
SMPR65/O.E.	300	247	40	8.0	9.5	0.55	30-180	<2.5	±3	M5.0-M9.3	M4.0-M7.2
SMPR68/O.E.	250	247	40	8.0	9.5	0.55	50-280	<2.5	±3	M6.0-M11.0	M4.9-M8.7

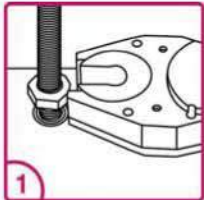


# Full-auto Shut Off Air Open-end Wrench

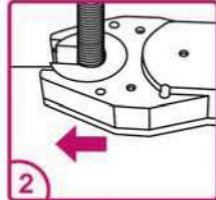


## Features:

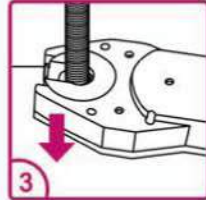
- Extremely easy and useful to tighten things up in limited spaces, for example: compressor assembly, refrigerator pipes or automobile breaking system pipes and so on.
- Variety gear socket size to fits in different assembly situation
- Ergonomics design to be easy grip with less fatigue and the reduced thickness of the head also good for the operators work in any circumstance.



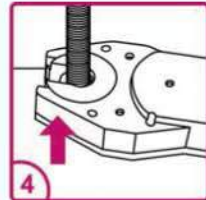
1 Press lever for releasing, back to the open position.



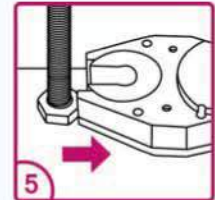
2 Slide on the fastener



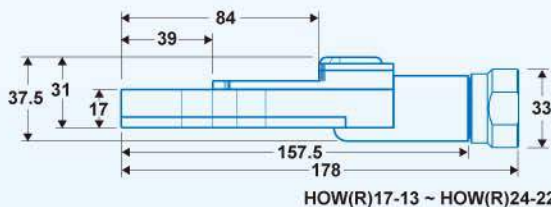
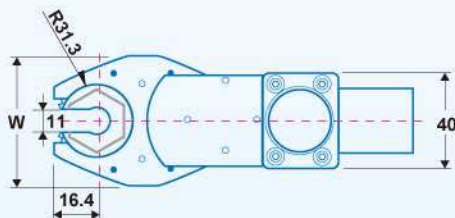
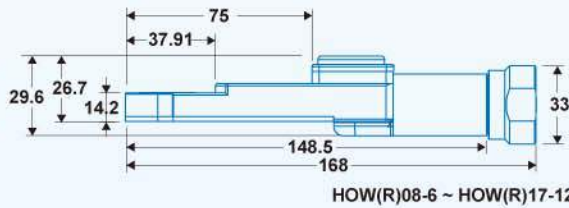
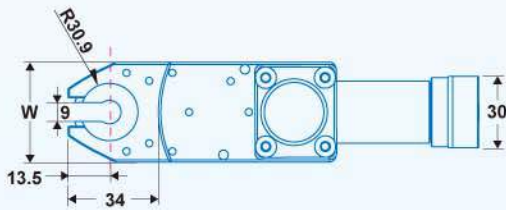
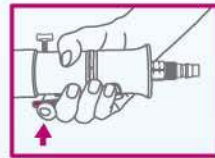
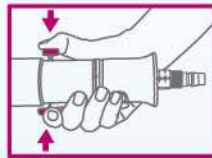
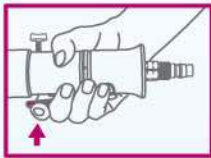
3 Press the button and lever at same time for tightening up.



4 Slide off the tightened fastener to free the tool.






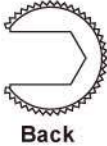
5 Press the lever to release, back to the open position.





# Full-auto Shut Off Air Open-end Wrench

## Optional Gear Socket Sizes:

Blind Gear		Open Gear		Hex Size of Gear Socket (mm)	Head Size [W] (mm)
Model No.	Gear type	Model No.	Gear type		
WH06	 Front	WHR06	 Front	6	42
WH08		WHR08		8	
WH09		WHR09		9	
WH10		WHR10		10	
WH11		WHR11		11	
WH12		WHR12		12	
WH13	 Back	WHR13	 Back	13	56
WH14		WHR14		14	
WH15		WHR15		15	
WH17		WHR17		17	
WH19		WHR19		19	
WH21		WHR21		21	
WH22		WHR22		22	

## Specification:

Working Air Pressure: 90 psi

Model No.	Torque Range (Nm)	Free Speed (r.p.m)	Hex Size of Gear Socket (mm)	Head Sizes[W] (mm)	Dia. (mm)	Min. air hose bore (mm)
HOW(R)08-06	3.0~8.0	230	6	42	39	8.0
HOW(R)08-08	3.0~8.0	230	8	42	39	8.0
HOW(R)08-09	3.0~8.0	230	9	42	39	8.0
HOW(R)08-10	3.0~8.0	230	10	42	39	8.0
HOW(R)08-11	3.0~8.0	230	11	42	39	8.0
HOW(R)08-12	3.0~8.0	230	12	42	39	8.0
HOW(R)17-06	5.0~17	230	6	42	39	8.0
HOW(R)17-08	5.0~17	230	8	42	39	8.0
HOW(R)17-09	5.0~17	230	9	42	39	8.0
HOW(R)17-10	5.0~17	230	10	42	39	8.0
HOW(R)17-11	5.0~17	230	11	42	39	8.0
HOW(R)17-12	5.0~17	230	12	42	39	8.0
HOW(R)17-13	5.0~17	230	13	56	39	8.0
HOW(R)17-14	5.0~17	230	14	56	39	8.0
HOW(R)24-15	7.0~24	170	15	56	39	8.0
HOW(R)24-17	7.0~24	170	17	56	39	8.0
HOW(R)24-19	7.0~24	170	19	56	39	8.0
HOW(R)24-21	7.0~24	170	21	56	39	8.0
HOW(R)24-22	7.0~24	170	22	56	39	8.0



# Composite Air Reversible Die Grinder

## -Oil Free

### Features:

- High quality Oil-free motor.
- Bi-way chuck with excellent concentricity and low vibration.
- All new patented mechanical design and comfort grip material.
- Patented horizontal forward switch and lock button design (For CG25S series).

- Friendly operation.
- Low vibration and longer usage term.
- Low noise.

### Excellent Concentricity & Low vibration

The concentricity of chuck is within 0.05mm which extend grindstone usage term and makes the grinding surface lighter and smoother. Furthermore, SUMAKE excellent concentricity makes vibration much lower than other brand.

### Bi-way chuck

Bi-way chuck design makes the grasp function more forceful.

**CG25** 1/4" **CG25M** 6mm  
**CG25-1** 1/8" **CG25M-3** 3mm  
**CG25M-8** 8mm  
*Pistol Composite Air Die Grinder*



Sumake Brand



Other Brand

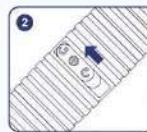
SUMAKE Patented Forward Switch design avoid incautious lever pressing due to drop on table or on floor, makes user more safe and convenient.

SUMAKE Patented Forward Switch design eliminate troublesome to press throttle lever and reduce the operating space.



Other Brand

While sparkle damages user's eyes, they don't have any solution with other brand die grinder but wearing protection casing



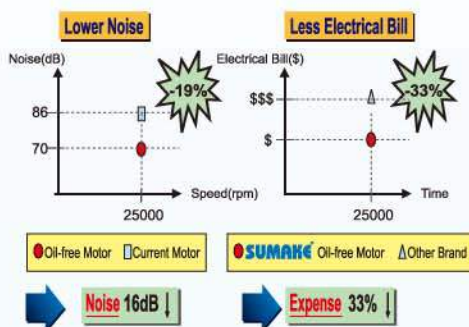
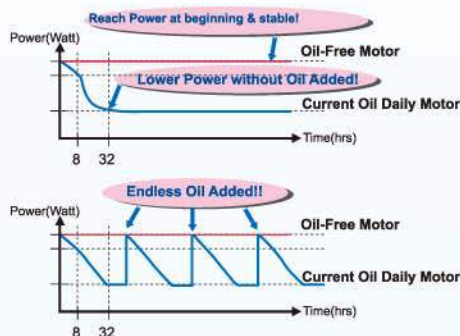
Sumake Brand

SUMAKE patented both way right turn and left turn grinding function easy to turn rotation direction and prevent the sparkle from damaging user, the operation is more safety.



Sumake Brand

To prevent the sparkle from damaging user, the operator can switches rotation as right turn and makes the sparkle in the left side.



**CG25S** 1/4" **CG25SM** 6mm  
**CG25S-1** 1/8" **CG25SM-3** 3mm  
**CG25SM-8** 8mm  
*Straight Composite Air Die Grinder w/Lock Button*



**CG25SN** 1/4" **CG25SNM** 6mm  
**CG25SN-1** 1/8" **CG25SNM-3** 3mm  
**CG25SNM-8** 8mm  
*Straight Composite Air Die Grinder*

### Specifications :

Model No.	Collet	Free Speed (r.p.m.)	O.A.L. (mm)	Dia (mm)	Weight		Air Consumption		Air Pressure		Min. Air hose bore		Noise Level dB(A)
					lbs	kg	cfm	m <sup>3</sup> /min	psi	kg/cm <sup>2</sup>	in	mm	
CG25	1/4"	25,000	180	39	1.52	0.69	9.9	0.28	90	6	1/5	5.0	70
CG25-1	1/8"	25,000	180	39	1.52	0.69	9.9	0.28	90	6	1/5	5.0	70
CG25M	6mm	25,000	180	39	1.52	0.69	9.9	0.28	90	6	1/5	5.0	70
CG25M-3	3mm	25,000	180	39	1.52	0.69	9.9	0.28	90	6	1/5	5.0	70
CG25M-8	8mm	25,000	180	39	1.52	0.69	9.9	0.28	90	6	1/5	5.0	70
CG25S(N)	1/4"	25,000	170	36	1.21	0.55	9.9	0.28	90	6	1/5	5.0	70
CG25S(N)-1	1/8"	25,000	170	36	1.21	0.55	9.9	0.28	90	6	1/5	5.0	70
CG25S(N)M	6mm	25,000	170	36	1.21	0.55	9.9	0.28	90	6	1/5	5.0	70
CG25S(N)M-3	3mm	25,000	170	36	1.21	0.55	9.9	0.28	90	6	1/5	5.0	70
CG25S(N)M-8	8mm	25,000	170	36	1.21	0.55	9.9	0.28	90	6	1/5	5.0	70



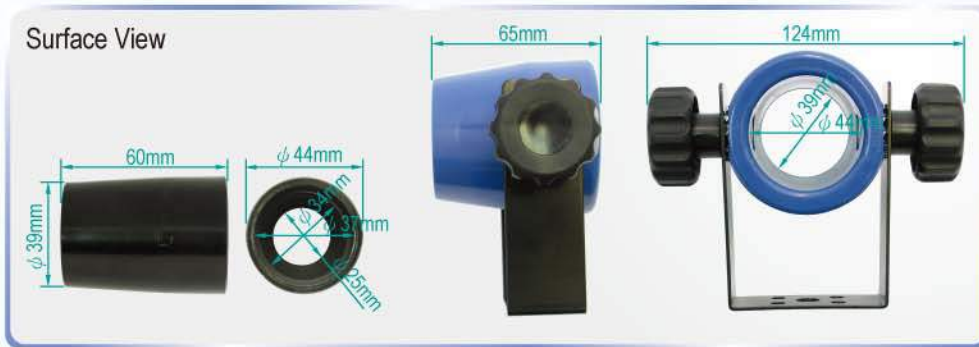


# Tools Holster

- Suit for Various Air Tools (Straight/ Pistol Type), big and small size.
- Easy to keep the tool in the ready using position.
- Easy to adjust the holding angle.
- Keep the tools cleaning.
- Protect the tools from scratch.
- Net weight: 255g



Model: **PH-0001**



Original Body for Big Size Body Purpose



Sleeve Inside for Small Size Body Purpose



# Spring Balancer



**SB-1.2** (0.5-1.2kgs)  
**SB-2.0** (1.0-2.0kgs)  
**SB-3.0** (2.0-3.0kgs)  
*Spring Balancer*



**SA-2201** (0.3-0.8kgs)  
**SA-2203** (0.6-1.5kgs)  
**SA-2203-1** (1.0-2.0kgs)  
**SA-2204** (1.5-3.0kgs)  
**SA-2207** (3.0-5.0kgs)  
*Spring Balancer*



**SA-2204A** (0.8-2.0kgs)  
**SA-2204B** (0.3-1.2kgs)  
*Spring Balancer*

Model No.	Capacity (kg)	Cable Travel (M)	Packing: Pcs/Ctn/G.W./Cuft' (kgs)	Model No.	Capacity (kg)	Cable Travel (M)	Packing: Pcs/Ctn/G.W./Cuft' (kgs)
SB-1.2	0.5~1.2	1.6	20Pcs/Ctn/12.8/0.95'	SA-2203-1	1.0~2.0	1.6	40Pcs/Ctn/21.0/1.70'
SB-2.0	1.0~2.0	1.6	20Pcs/Ctn/12.8/0.95'	SA-2204	1.5~3.0	1.6	40Pcs/Ctn/24.1/1.90'
SB-3.0	2.0~3.0	1.6	20Pcs/Ctn/13.0/0.95'	SA-2204A	0.8~2.0	1.6	30Pcs/Ctn/19.5/1.60'
SA-2201	0.3~0.8	1.6	40Pcs/Ctn/19.8/1.70'	SA-2204B	0.3~1.2	1.6	30Pcs/Ctn/18.0/1.60'
SA-2203	0.6~1.5	1.6	40Pcs/Ctn/21.0/1.70'	SA-2207	3.0~5.0	1.5	30Pcs/Ctn/25.3/1.70'



# Torque Arm

## Features:

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

## Features:

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



**TA-P015**  
**TA-P030**  
Parallel system  
(screwdriver & TA-1207 are not included)



**TA-S015**  
**TA-S030**  
Standard system  
(screwdriver & TA-1207 are not included)

Air cylinder series					
Model No.	Description	Reach	Capacity	Maximum Torque	Packing: (Set/Ctn/N.W./G.W./Cuft)
TA-S015	Standard	4 ~ 33 in	0 ~ 15 lbs	110 lbs-in	1Set/Ctn/4kgs/5kgs/0.9'
TA-P015	Parallel	4 ~ 33 in	0 ~ 15 lbs	110 lbs-in	1Set/Ctn/4kgs/5kgs/0.9'
Oil cylinder series specification					
TA-S030	Standard	4 ~ 33 in	0 ~ 3.0 lbs	110 lbs-in	1Set/Ctn/4kgs/5kgs/0.9'
TA-P030	Parallel	4 ~ 33 in	0 ~ 3.0 lbs	110 lbs-in	1Set/Ctn/4kgs/5kgs/0.9'

## Accessories: (Optional)

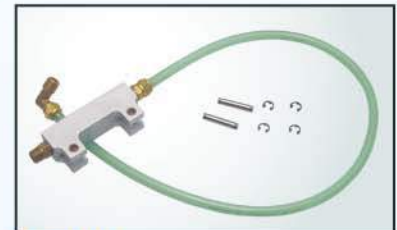
End-of-Arm tooling options for the SUMAKE torque arm allow you to choose the style your application requires. The tool holders allow the tool to swivel, rotate, swing or twist. Its heavy duty construction allows you to lock out any single or combination of rotating actions allowing only the motions required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



**TA-1201**  
Right angle tool mount for pistol grip.  
Right angle use.



**TA-1202**  
Wrist bracket "V" for electric tool mount.  
(For Standard type)



**TA-1203**  
Air manifold tool mount  
(For Parallel type)



**TA-1204**  
Wrist bracket "V" for electric tool mount.  
(For Parallel type)



**TA-1206**  
Wall clamp.



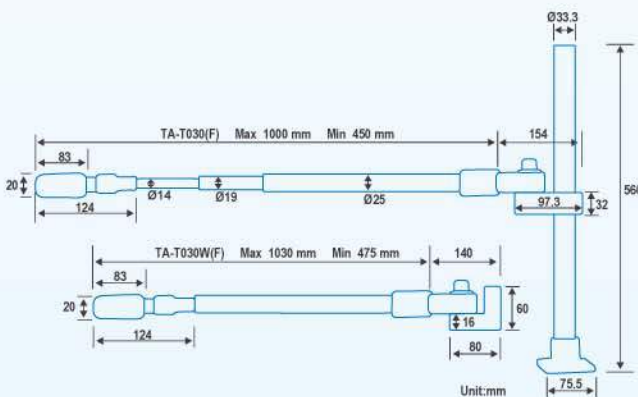
**TA-1207**  
Bench clamp.



# Telescopic Torque Arm & Auxiliary Arm

## Features:

- The Telescopic torque arm is mainly for assembly lines where space is a premium and mandatory demand of operator safety, such as automotive, aerospace field...etc.
  - Easy to install on the workbench, wall, trolley or production line.
  - Eliminates torque reaction of tools and takes the weight off the arm and shoulder.
  - Seldom maintenance, collapsible part is Aluminum alloy or Carbon Fiber for option.
  - The arm collapses like a telescope, provide comfortable and smooth tool operation and movement.
  - Durable attachment use with electric & pneumatic screwdrivers or variety assembly tools and tool clamp is free angle.
- (Please refer below pictures)



## Specifications :

Model No.	Max torque		Clamp Dia (mm)		Bench Clamp Capacity (mm)
	kgf-cm	N.m	Max	Min	
TA-T030	300	30	45	36	67
TA-T030F	500	50	45	36	67
TA-T030S	300	30	45	36	67
TA-T030FS	500	50	45	36	67
TA-T030C	300	30	45	36	67
TA-T030FC	500	50	45	36	67
TA-T030W	300	30	45	36	67
TA-T030FW	500	50	45	36	67

\*Option tool clamp size Φ26-40 & Φ36-50, please add "A" at the end of Model for Φ26-40 and "B" for Φ36-50, for example TA-T030SA is with tool clamp Φ26-40.

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**AIR TOOLS**  
PROFESSIONAL

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Low Noise

**AIR TOOLS**  
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**ELECTRIC**  
**SCREWDRIVER**

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**AUTOMATIC**  
**SCREW FEEDER**  
**NIPPLE FEEDER**

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Brushless

**CORDLESS**  
**SCREWDRIVER**

**SUMAKE** ISO 9001 CE

**AIR COMPRESSORS**  
**& AIR PUMPS**

**SUMAKE** ISO 9001 CE

**AIR NAILERS &**  
**AIR STAPLERS**

# SUMAKE®

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