



Smart Automatic Screwdrivers

Gold National Award of Excellence 2000



EFFICIENT FASTENING SOLUTIONS

0.15-200 kgf.cm





We offer a full range of Economical, Intermediate and High-End products Providing Professional Assembly Solutions for Global Manufacturing Companies

- Our company was founded in Taiwan in 1978 and established a factory in Shanghai in 2005. We have been specializing in R&D, manufacturing, sales, and production of industrial level electric screwdrivers, intelligent torque screwdrivers, automation and other related assembly products. SAS, under the business philosophy of honesty, dedication and innovation, our product image and quality are continuously improving. We have gained more than 50 patents in over 20 countries; under the guidance of Taiwan based market policy, taking the lead in the Asia Pacific market, and pursuit of the world market, we have been able to open to the world and make great achievements. Our aim is being the first in Taiwan and lead the world market to service customers and provide high quality products. All personnel at SAS work together for a common goal; fully dedicate themselves to continuously improve our products and meeting customers' demands.
- Over the years, the industry authorities have held various events to challenge the industry in a positive manner to invest in research and development for new products. Selection of the leading product image by the Ministry of Economic Affairs is the highest honor for the industries innovative products. Not everyone can spare the effort to gather new technical knowledge and actively strive for the awards.
- Since it's establishment, SAS has been unremittingly devoted to the research, development and innovation of electric screwdrivers. Based on positive, innovative and sustainable operation concepts, everyone at SAS is actively committed to the innovation and improvement of electric screwdriver products in accordance with the constant spirit of paying back the support of users and indirectly taking up the responsibility for society.



Won the 2000 Taiwan Product Image Gold Award The only winner in Taiwan





Received ISO9001 Quality Management Systems Certificate

All products are available for a trial Demo



0.15-200 kgf.cm

Full Range of products

Easy to configure

Full range of economical, intermediate, and high-end products Consultation available from our engineers



Leading the future with 43 years of patented innovation

1990	Received the advertising award from Taipei Times
1991	Received creative award of Taiwan Advertisement 4A

Won the first prize of China Creation and Invention 1993

1994 Received Innovative Research and Development award of Taiwan Small and Medium Enterprise Administration

1994 Products became UL and CSA certified

1997 Products became of CE (EMC/LVD) certified

1999 Received Taiwan Excellence Product Marking Award

2000 Received Gold National Award of Taiwan Excellence

Taiwan Headquarter became ISO9001 certified 2002

Shanghai office established (capital investment of 20 million RMB/ \$3 2005 million U.S. dollars)

2006 Became 3C, UL, CE, FCC and BMS certified

Shanghai office became IS09001 certified 2011

Shanghai R&D established with additional 50 million RMB/\$7.5 million U.S. dollars invested

2017 Brushless torque display electric screwdriver (Industry 4.0) was success

2018 Smart torque display electric screwdriver was successfully developed, and the first gyroscope electric screwdriver was launched in the market successfully

2019 Brushless electric screwdriver, smart electric screwdriver, torque display electric screwdriver, brushless electric screwdriver was granted multiple patents for invention

Created high-end products and high-end brand SAS 2019

(5~200kgf.cm)(4.33~173.59lb-in) New series introduced to the market



















SAS Product Center

MINI ELECTRIC SCREWDRIVER SERIES

Mini (Swiss) Dust-Free Motor Electric Screwdriver

07 Mini (Swiss) dust-free motor Electric Screwdriver + Z-Axis

07 Mini (Swiss) dust-free motor Electric Screwdriver + Z-Axis/LED

BRUSHLESS ELECTRIC SCREWDRIVER SERIES

Small Brushless Electric Screwdriver

Small Brushless Electric Screwdriver + Z-Axis

Small Brushless Screwdriver + Z-Axis/LED

Small Brushless Automated Screwdriver

08 Medium Brushless Screwdriver

80 Medium Brushless W/Fool-proof Counter

Medium Brushless Automated Screwdriver

Large Brushless Electric Screwdriver 09

Large Brushless Electric Screwdriver + Foolproof Counter Management Power Supply

Large Brushless Automated Screwdriver 09

Large Brushless Screwdriver Gun Type

09 Large Brushless Screwdriver Gun Type + Foolproof Counter Management Power Supply

BRUSH ELECTRIC SCREWDRIVER SERIES

Medium-large Brush Electric Screwdriver

ECO-FRIENDLY BRUSHLESS SEMI-AUTO SERIES

Medium ECO Brushless Semi-Auto Screwdriver

Large ECO Brushless Semi-Auto Screwdriver 10

Large ECO Brushless Semi-Auto Gun Type

/ POWER SUPPLIES

Foolproof Counter Management Power Supply 10

Brush and Brushless Power Supply

Small Foolproof Counter Power Supply

ACCESSORIES

Manual Screw Feeders

Automatic Screw Feeders

11 Air Blow Automatic Screw Feeder Machine

12 Manual Screw Counting Feeder

12 Automated Vibration Disc Column Screw Feeder

12 Intelligent Dynamic Wireless-data-upload High-Precision Torque Tester

12 Japanese-Made High-Precision Torque Tester

12 Industrial Grade High-Precision Torque Tester

13 Torque Arms

13 Large Torque Arms

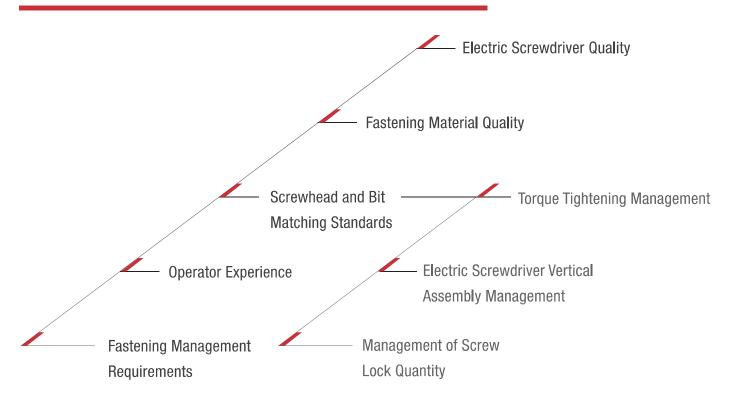
13 Misc. Accessories



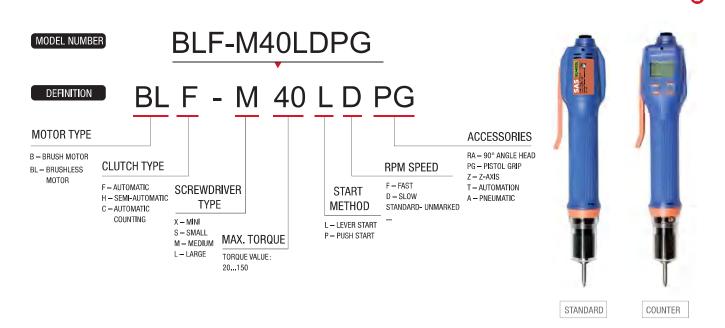
OUR MISSION IS TO PROVIDE HIGHER QUALITY SCREW FASTENING

- SAS will always stand from the perspective of the user and work to create quality and efficient products for the fastening process.
- SAS will hold a high standard of fine craftsmanship and continue to explore and improve in the assembly field.
- SAS screwdrivers provide a high efficiency, high reliability and high-quality management for all your assembly needs.

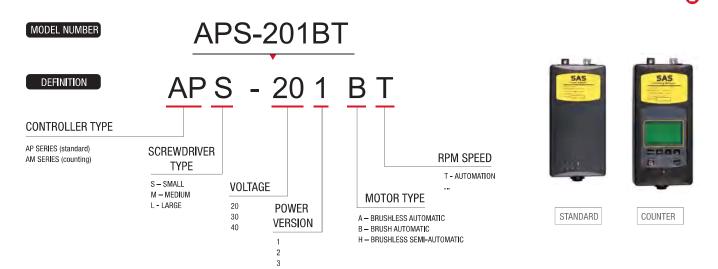
ASSEMBLY FASTENING CONDITIONS AND REQUIREMENTS



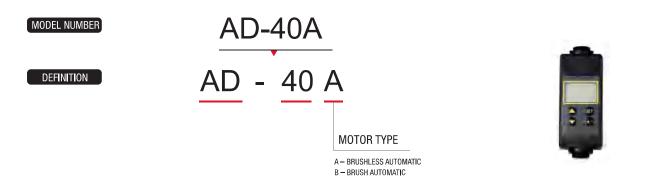
MODEL NUMBERS AND DEFINITIONS



POWER CONTROLLER DESCRIPTION



SMALL COUNTER CONTROLLER DESCRIPTION



INNOVATIVE DESIGN FUNCTIONS AND FEATURES



TORQUE CONVERSION TABLE

UNIT OF MEASURE	METRIC	NEWTONS	USCS/ IMPERIAL
TORQUE UNITS	Kgf.cm Kgf.m gf.cm	N.m N.cm	lbf.in lbf.Ft OZ.in
METRIC CONVERSION	1Kgf.m=100Kgf.cm 1Kgf.cm=1000gf.cm 1Kgf.cm=10Kgf.mm	1N.m=100N.cm	1lbf.Ft=12lb.in 1lbf.Ft=16OZ.in
USCS/IMPERIAL CONVERSION	1kgf.m=9.8067N.m 1Kgf.cm=0.867962lbf.in 1Kgf.cm=0.072330lbf.Ft	1N.m=10.197Kgf.cm 1N.m=8.850lbf.in 1N.m=0.737562lbf.Ft	1lbf.in=1.15Kgf.cm 1lbf.in=11.2985N.cm 1lbf.Ft=13.825Kgf.cm
FORCE UNITS	1Kgf.cm=9.807N.cm 1Kgf.cm=2.205lbf.cm	1N=0.101972Kgf 1N=0.224809lbf	1lbf=0.453592Kgf 1lbf=4.448N (1lbf=16OZf)
LENGTH UNITS	1cm=0.393701in	1m=3.281Ft	1in=2.54cm 1Ft=0.305m (1Ft=12in)

Note: ounce (OZ), pound (Ib) 1OZ=28,3g 1Kg=2,201lb

■ MINI ELECTRIC SCREWDRIVER SERIES ►

Mini (Swiss) Dust-Free Motor **Electric Screwdriver**



Mini (Swiss) dust-free motor Electric Screwdriver + Z-Axis



Mini (Swiss) dust-free motor Electric Screwdriver + Z-Axis/LED



Mobile phone, iWatch, iPad, Wearable products, 5C and related industries, suitable for dust-free operation.

MODEL NO.	TORQUE RANGE (kgf.cm) N.m		RPM SPEED (rpm)±10%
	(Kgr.ciii)	14.111	(15111/=1070
BF-X0.8LD	0.15~0.8	0.015~0.08	80~180
BF-X1.0LD	0.15~1.0	0.015~0.1	150~300
BF-X1.0L	0.15~1.0	0.015~0.1	650~1000
BF-X2.0L	0.3~2.0	0.03~0.2	650~1000
BF-X3.0L	0.4~3.0	0.04~0.3	450~700

Mobile phone, iWatch, iPad, Wearable products, 5C and related industries, suitable for dust-free operation.

MODEL NO	TORQUE RANGE		RPM SPEED	
MODEL NO.	(kgf.cm)	N.m	(rpm)±10%	
BF-X0.8LDZ	0.15~0.8	0.015~0.08	80~180	
BF-X0.8LDZ-1	0.15~0.8	0.015~0.08	80~180	

Mobile phone, iWatch, iPad, Wearable products, 5C and related industries, suitable for dust-free operation.

MODEL NO.	TORQUE RANGE		RPM SPEED
WIODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BF-X0.8LDZL	0.15~0.8	0.015~0.08	80~180
BF-X0.8LDZL-1	0.15~0.8	0.015~0.08	80~180

2 BRUSHLESS ELECTRIC SCREWDRIVER SERIES ▶

Small Brushless Electric Screwdriver



Mobile phone, iWatch, iPad, Wearable products, 5C and related industries, suitable for dust-free operation.

MODEL NO.	TORQUE RANGE		RPM SPEED
	(kgf.cm)	N.m	(rpm)±10%
BLF-S1.0LD	0.15~1.0	0.015~0.1	100~200
BLF-S1.0L	0.15~1.0	0.015~0.1	350~500
BLF-S2.0L	0.3~2.0	0.03~0.2	650~1000
BLF-S3.0L	0.4~3.0	0.04~0.3	450~700
BLF-S5.0L	0.5~5.0	0.05~0.5	650~1000
BLF-S6.0L	1.0~6.0	0.1~0.6	650~1000
BLF-S10L	1.5~10.0	0.15~1.0	650~1000

Small Brushless Electric Screwdriver + Z-Axis



Mobile phone, iWatch, iPad, Wearable products, 5C and related industries, suitable for dust-free operation.

MODEL NO.	TORQUE RANGE		RPM SPEED
MUDEL NO.	(kgf.cm)	N.m	(rpm)±10%
			0=0 4000
BLF-S2,0LZ	0.3~2.0	0.03~0.2	650~1000
BLF-S2.0LZ-1	0.3~2.0	0.03~0.2	650~1000
BLF-S3.5LZ	0.5~3.5	0.05~0.35	650~1000
BLF-S3.5LZ-1	0.5~3.5	0.05~0.35	650~1000

Small Brushless Screwdriver + Z-Axis/LED



Small Brushless Automated Screwdriver



Medium Brushless Screwdriver

L: Level Start P: Push Start



Medium Brushless W/Fool-proof counter

L: Level Start P: Push Start



Medium Brushless Automated Screwdriver



INDUSTRY Mobile phone, iWatch, iPad, Wearable products, 5C and related industries, suitable for dust-free operation.

MODEL NO.	TORQUE RANGE		RPM SPEED
MODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLF-S2.0LZL	0.3~2.0	0.03~0.2	650~1000
BLF-S2.0LZL-1	0.3~2.0	0.03~0.2	650~1000
BLF-S3.5LZL	0.5~3.5	0.05~0.35	650~1000
BLF-S3.5LZL-1	0.5~3.5	0.05~0.35	650~1000

Mobile phone, iWatch, iPad, Wearable products, 5C and related industries, suitable for dust-free operation.

MODEL NO.	TORQUE RANGE		RPM SPEED
	(kgf.cm)	N.m	(rpm)±10%
BLF-S1.0LDT	0.15~1.0	0.015~0.1	100~200
BLF-S1.0LT	0.15~1.0	0.015~0.1	350~500
BLF-S2.0LT	0.3~2.0	0.03~0.2	650~1000
BLF-S3.0LT	0.4~3.0	0.04~0.3	450~700
BLF-S5.0LT	0.5~5.0	0.05~0.5	650~1000
BLF-S6.0LT	1.0~6.0	0.1~0.6	650~1000
BLF-S10LT	1.5~10.0	0.15~1.0	650~1000

INDUSTRY Large and small household appliances, Auto parts, Electric power Machinery, High-end medical equipment, Aviation and Automated assembly.

MODEL NO.	TORQUE RANGE		RPM SPEED
MODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLF-M20L/P F	5.0~20	0.5~2.0	1400~2000
BLF-M20L/P	5.0~20	0.5~2.0	650~1100
BLF-M30L/P	8.0~30	0.8~3.0	650~1100
BLF-M40L/P	10~40	1.0~4.0	650~1100
BLF-M50L/P	20~50	2.0~5.0	280~500

INDUSTRY Large and small household appliances, Auto parts, Electric power Machinery, High-end medical equipment, Aviation and Automated assembly.

MODEL NO.	TORQUE RANGE		RPM SPEED
WIODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLC-M20L/P F	5.0~20	0.5~2.0	1400~2000
BLC-M20L/P	5.0~20	0.5~2.0	650~1100
BLC-M30L/P	8.0~30	0.8~3.0	650~1100
BLC-M40L/P	10~40	1.0~4.0	650~1100
BLC-M50L/P	20~50	2.0~5.0	280~500

Large and small household appliances, Auto parts, Electric power Machinery, High-end medical equipment, Aviation and Automated assembly.

MODEL NO.	TORQUE RANGE (kgf.cm) N.m		RPM SPEED (rpm)±10%
BLF-M20LFT	5.0~20	0.5~2.0	1400~2000
BLF-M20LT	5.0~20	0.5~2.0	650~1100
BLF-M30LT	8.0~30	0.8~3.0	650~1100
BLF-M40LT	10~40	1.0~4.0	650~1100
BLF-M50LT	20~50	2.0~5.0	280~500

Large Brushless Electric Screwdriver

L: Level Start P: Push Start



Large Brushless Electric Screwdriver + **Foolproof Counter Management Power Supply**

[Functions: Mis-Lock detection, Cross Thread detection, Float Screw detection, counting statistics, time detection, transfer data storage]





Large Brushless Automated Screwdriver



Large Brushless Screwdriver Gun Type

L: Level Start



Large Brushless Screwdriver Gun Type+ Foolproof Counter Management Power Supply

[Functions: Mis-Lock detection, Cross Thread detection, Float Screw detection, counting statistics, time detection, transfer data storage]



INDUSTRY

Auto parts, Electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Power tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers (high RPM, large torque, low heat) Automated assembly.

MODEL NO.	TORQUE RANGE		RPM SPEED
WIODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLF-L35L/P F	15~35	1.5~3.5	3600
BLF-L50L/P F	20~50	2.0~5.0	2400
BLF-L60L/P F	25~60	2.5~6.0	2000
BLF-L60L/P	25~60	2.5~6.0	1300
BLF-L90L/P	40~90	4.0~9.0	700~1000
BLF-L110L/P	60~110	6.0~11.0	650~850
BLF-L150L/P D	80~150	8.0~15.0	400

Auto parts, Electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Power tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers (high RPM, large torque, low heat) Automated assembly.

MODEL NO.	TORQUE RANGE		RPM SPEED
WIODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLF-L35L/P F	15~35	1.5~3.5	3600
BLF-L50L/P F	20~50	2.0~5.0	2400
BLF-L60L/P F	25~60	2.5~6.0	2000
BLF-L60L/P	25~60	2.5~6.0	1300
BLF-L90L/P	40~90	4.0~9.0	700~1000
BLF-L110L/P	60~110	6.0~11.0	650~850
BLF-L150L/P D	80~150	8.0~15.0	400

Auto parts, Electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Power tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers (high RPM, large torque, low heat) Automated assembly.

MODEL NO	TORQUE RANGE		RPM SPEED
MODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLF-L35L FT	15~35	1.5~3.5	3600
BLF-L50L FT	20~50	2.0~5.0	2400
BLF-L60L FT	25~60	2.5~6.0	2000
BLF-L60LT	25~60	2.5~6.0	1300
BLF-L90LT	40~90	4.0~9.0	700~1000
BLF-L110LT	60~110	6.0~11.0	650~850
BLF-L150L DT	80~150	8.0~15.0	400

Auto parts, Electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Power tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers (high RPM, large torque, low heat)

	, ,		
MODEL NO.	TORQU	E RANGE	RPM SPEED
WIODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLF-L35L/P FPG	15~35	1.5~3.5	3600
BLF-L50L/P FPG	20~50	2.0~5.0	2400
BLF-L60L/P FPG	25~60	2.5~6.0	2000
BLF-L60L/P PG	25~60	2.5~6.0	1300
BLF-L90L/P PG	40~90	4.0~9.0	700~1000
BLF-L110L/P PG	60~110	6.0~11.0	650~850
BLF-L150L/P DPG	80~150	8.0~15.0	400

INDUSTRY

Auto parts, Electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Power tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers (high RPM, large torque, low heat)

MODEL NO.	TORQUE RANGE		RPM SPEED
WIODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLF-L35L/P FPG	15~35	1.5~3.5	3600
BLF-L50L/P FPG	20~50	2.0~5.0	2400
BLF-L60L/P FPG	25~60	2.5~6.0	2000
BLF-L60L/P PG	25~60	2.5~6.0	1300
BLF-L90L/P PG	40~90	4.0~9.0	700~1000
BLF-L110L/P PG	60~110	6.0~11.0	650~850
BLF-L150L/P DPG	80~150	8.0~15.0	400

Please Refer to P28-P30

3 BRUSH ELECTRIC SCREWDRIVER SERIES ▶

Medium-large Brush Electric Screwdriver

L: Level Start

P: Push Start



INDUSTRY

Precision assembly of communication products, Small home appliances, Precision instruments, clocks etc.

MODEL NO.	TORQUE RANGE		RPM SPEED
WIODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BF-M20L/P F	5.0~20	0.5~2.0	1400~2000
BF-M20L/P	5.0~20	0.5~2.0	650~1100
BF-M30L/P	8.0~30	0.8~3.0	650~1100
BF-M40L/P	10~40	1.0~4.0	650~1100
BF-M50L/P	20~50	2.0~5.0	280~500

■ ECO-FRIENDLY BRUSHLESS SEMI-AUTO SERIES ►

Medium ECO Brushless Semi-Auto Screwdriver

L: Level Start

P: Push Start



Large ECO Brushless Semi-Auto Screwdriver

L: Level Start

P: Push Start



INDUSTRY

Automotive electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Industrial power tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers.

MODEL NO.	TORQUE RANGE		RPM SPEED
MODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLH-M20L/P F	5.0~20	0.5~2.0	1400~2000
BLH-M20L/P	5.0~20	0.5~2.0	650~1100
BLH-M30L/P	8.0~30	0.8~3.0	650~1100
BLH-M40L/P	10~40	1.0~4.0	650~1100
BLH-M50L/P	20~50	2.0~5.0	280~500

INDUSTRY USFD: Auto parts, Electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Electric tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers (high RPM, large torque, low heat) Automated assembly.

MODEL NO.	TORQUE RANGE		RPM SPEED
MODEL NO.	(kgf.cm)	N.m	(rpm)±10%
BLH-L35L/P F BLH-L50L/P F BLH-L60L/P F BLH-L60L/P BLH-L90L/P BLH-L110L/P	15~35 20~50 25~60 25~60 40~90 60~110	1.5~3.5 2.0~5.0 2.5~6.0 2.5~6.0 4.0~9.0 6.0~11.0	3600 2400 2000 1300 700~1000 650~850
BLH-L150L/P D	80~150	8.0~15.0	400

INDUSTRY

Automotive electrical equipment, Electric vehicle batteries, Car lights, Energy batteries, Office equipment, Air conditioners, Power tools, Gas appliances, Communication equipment, An alternative to oil pressure pneumatic screwdrivers (high RPM, large torque, low heat)

MODEL NO.	TORQUE RANGE		RPM SPEED
WIODLE NO.	(kgf.cm)	N.m	(rpm)±10%
BLH-L35L/P FPG BLH-L50L/P FPG BLH-L60L/P FPG BLH-L60L/P PG BLH-L90L/P PG BLH-L110L/P PG BLH-L150L/P DPG	15~35 20~50 25~60 25~60 40~90 60~110 80~150	1.5~3.5 2.0~5.0 2.5~6.0 2.5~6.0 4.0~9.0 6.0~11.0 8.0~15.0	3600 2400 2000 1300 700~1000 650~850 400

Large ECO Brushless Semi-Auto Gun Type

L: Level Start



5 POWER SUPPLIES ▶

Fool-Proof Counter Management Power Supply





APPLICABLE To ensure fastening quality and improve the operating management use:

MODEL NO.	DESCRIPTION	FUNCTION
AMM-301A	Brushless Automatic Series	Mis-Lock Detection
AMS-301B	Brush Automatic Series	Cross Thread Detection
AML-301B	Brush Automatic Series	Float Screw Detection
AML-301A	Brushless Automatic Series	Fool-Proof Counter
AML-401A	Brushless Automatic Series	Counting Statistics
		Fastening Time Detection
		Transfer Data Storage

Brush & Brushless Full-Range **Power Supply**



Small Fool-Proof Counter **Power Supply**



APPLICABLE Ensure fastening quality and optimize job space.

MODEL NO.	DESCRIPTION	FUNCTION
APS-201B	Input Voltage:	Stepless Control
APS-301B	100-240V Universal Power Supply	Suspendible
APS-301A	Constant Output Voltage Function	Adjustable Speed
APM-302A		Secondary Tightening
APL-301A		
APM-301H		
APL-401A		
APL-401H		

APPLICABLE To ensure fastening quality and improve the operating management environment for screw efficiency.

MODEL NO.	DESCRIPTION	FUNCTION
AD-40B	Brush Automatic Series	Mis-Lock Detection
AD-40A	Brushless Automatic Series	Cross Thread Detection
		Float Screw Detection
		Fool-Proof Counter
		Visual Alert
		Audio Alert

6 ACCESSORIES ▶

Manual Screw Feeder







APPLICABLE For a variety of screws, Feeding speeds can be changed freely, Can adjust track freely, For use in general line assembly.

MODEL NO.	DESCRIPTION
WODEL NO.	APPLICABLE SCREW
AT-1017	M1.0-M1.7
AT-1017A	M1.0-M1.7
AT-1050	M1.0-M5.0
AT-1050C	M1.0-M5.0
AT-1060	M1.0-M6.0
AT-1060C	M1.0-M6.0
AT-1030A	M1.0-M3.5
AT-2560A	M1.0-M5.0
	1011.0-1010.0

APPLICABLE Suitable for a variety of screws, Feeding speeds can be changed freely, Automated locking equipment.

MODELNO	DESCRIPTION	
	MODEL NO.	APPLICABLE SCREW
	AT-1017T	M1.0-M1.7
	AT-1030TC	M1.0-M3.5
	AT-2560TC	M1.0-M5.0
	AT-1030S	customized according to the screw

Automatic Screw Feeder

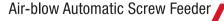






APPLICABLE Two stage feeding push material, large bin capacity and stable performance. Mainly for large screws, long screws and special beads screws

MODEL NO.	DESCRIPTION
	APPLICABLE SCREW
AT-10	M3.0-M6.0





Manual Screw Counting Feeder



Automated Vibration Disc Column Screw Feeder



Intelligent Dynamic Wireless-data-upload **High-Precision Torque Tester**

(Accurate to 4 decimal places)



Japanese Made High-Precision Torque **Testing Machine**

(Accurate to 3 decimal places)







Precision Torque Tester



APPLICABLE Screw feeder adopts a gear ring drum feeder for low noise. Automatically guided feeding with no jamming. Adjustable screw feeding speed, easy to operate. Compact size, frees up space

MODEL NO.	DESCRIPTION APPLICABLE SCREW
AT-150D	M1.0-M5.0

APPLICABLE

Low noise, not easy to jam, reverse and fault alarm function, high repeat position accuracy. Signal output can be used with automated assembly, Feeding plate integration for stable screw feeding

MODEL NO.	DESCRIPTION
MODEL NO.	APPLICABLE SCREW

AT-0614V

M0.6-M1.4

Test tiny torque of electric, manual precision tools and various parts, which requires high-resolution, high-precision and high-speed sampling for torque measurement

MODEL NO.	TORQUE	E RANGE	Feature	
MODEL NO.	(kgf.cm)	N.m	reature	
APT-02S APT-10S APT-20S APT-50M APT-100M APT-300L APT-500L	0.0001~2.0000 0.001~10.000 0.002~20.000 0.005~50.000 0.01~100.00 0.03~300.00 0.05~500.00	0.0001~0.2000 0.0001~1.0000 0.002~2.0000 0.005~5.0000 0.001~10.000 0.003~30.000 0.005~50.000	Data storage (1000 records of automatic calculation) Maximum/Minimum/Average; Automatic memory; USB, RS-232C,MODBUS available for computer data management	

APPLICABLE Test automatic electric, pneumatic, automatic clutch electric, servo electric and clutch sensor electric screwdrivers torque tightening value.

MODEL NO.	TORQUI (kgf.cm)	E RANGE N.m	- Feature
DTM-15M	0.040~15.00	0.004~1.50	Original Japanese, W/ accurate torque, torque unit switching, zero reset time adjustment, torque data storage, USB output function and convenient data management.
DTM-150	1.0~150.0	0.1~15.0	

APPLICABLE Test automatic electric, pneumatic, automatic clutch electric, servo electric and clutch sensor electric screwdrivers torque tightening value.

MODEL NO.	TORQUE	RANGE	Feature	
	(kgf.cm)	N.m	reature	
AP-10	0.15~10.00	0.015~1.00	Taiwan original,	
AP-50	1.0~50.0	0.1~5.00	W/ accurate torque,	
AP-100	1.5~100.0	0.15~10.00	easy to operate,	
AP-300	07~300	00.7~30.0	torque unit switching and	
AP-500	08~500	00.8~50.0	adjustable reset time.	

Small and Medium and Practical **Torque Arms**

APPLICABLE Longer fastening durability, operation of tools with greater torque, higher quality requirements for fastening, workload set in a fixed position and assembly lines.

MODEL DESCRIPTION

TSS-150

Maximum Torque: 20kgf.cm Maximum Load: 2.0kg



Small

TSS-100AT

Maximum Torque: 30kgf.cm Maximum Load: 3.0kg



Medium

TSS-100W/T

Maximum Torque: 30kgf.cm Maximum Load: 3.0kg



Practical

Large Torque Arms

APPLICABLE Longer fastening durability, operation of tools with greater torque, higher quality requirements for fastening, workload set in a fixed position and assembly lines.

MODEL DESCRIPTION

STD-03110-OC

Maximum Torque: 110lbs-in Maximum Load: 0~3Lbs

Vertical Movement: 30cm

STD-15110-AC

Maximum Torque: 110lbs-in Maximum Load: 0~15Lbs

Vertical Movement: 30cm

PARA-03110-OC

Maximum Torque: 110lbs-in Maximum Load: 0~3Lbs

Horizontal Movement: 120cm

PARA-15110-AC

Maximum Torque: 110lbs-in Maximum Load: 0~15Lbs

Horizontal Movement: 120cm



Hydraulic Arm





APPLICABLE additional functions to customize your screwdriver.

ACCESSORY DESCRIPTION

Automation mounting equipment Industrial 90° Right Angle Head Spring Balancer Screwdriver Bits

Magnetic Rings DC Power Chord Screw Sorting Tray Screwdriver Holster Mount

Pistol Grip attachment 2 in 1 Power Supply + Pump

SAS CURRENT CLIENTELE



Minimum breakaway torque calculation

The minimum breakaway torque calculation formula is as follows:

 $M_{\text{Bmin}} = \tau_{\text{Bmin}} \cdot W_{\text{Pmin}}$

formula $W_{Pmin} = \pi/16 \cdot d^3 lmin$

 $\tau_{Bmin} \!\!=\!\! X \!\cdot\! \sigma bmin$

 $M_{\rm Bmin}$ —Minimum breakaway torque [See table 2] Terms

 τB —Torque strength

WP----Torque section modulus

dimin-Minimum diameter of external thread

σb——Tensile strength

X—Intensity ratio τ/σb [See table 1]

Table 1 Intensity ratio X

Performance level	8.8	9.8	10.9	12.9
Ratio X	0.84	0.815	0.79	0.75

Table 2 Minimum breakaway torque

	Thread Pitch	Minimum breakaway torque 1)					
		M _B min, N·m					
Specification	mm		Performa	nce level			
		8.8	9.8	10.9	12.9		
M1	0.25	0.033	0.036	0.040	0.045		
M1.2	0.25	0.075	0.082	0.092	0.10		
M1.4	0.3	0.12	0.13	0.14	0.16 0.22		
M1.6	0.35	0.16	0.18	0.20			
M2	0.4	0.37	0.40	0.45	0.50		
M2.5	0.45	0.82	0.90	1.0	1.1		
М3	0.5	1.5	1.7	1.9	2,1		
M3.5	0.6	2.4	2.7	3.0	3.3		
M4	0.7	3.6	3.9	4.4	4.9		

		Minimum breakaway torque 1)						
Thread	Pitch	M _B min, N·m						
Specification	mm	Performance level						
		8.8	9.8	10.9	12.9			
M5	0.8	7.6	8.3	9.3	10			
M6	1	13	14	16	17			
M7	1	23	25	28	31			
M8	1.25	33	36	40	44			
M8 * 1	-	38	42	46	52			
M10	1.5	66	72	81	90			
M10 * 1	-	84	92	102	114			
M10 * 1.25	-	75	82	91	102			

Z-AXIS SCREWDRIVER

The only one in the industry that has been widely used by iPhone and iPad assembly plants



Designed with LED light

Specially designed for electric screwdriver head to penetrate into narrow spaces so the front end+LED light can be aligned with the screw holes.

Fool-Proof counting power supply

can be connected in the DC line control and can detect screw mix, floating, cross thread, mis-lock and other errors.

ELECTRIC SCREWDRIVER

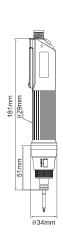
BF-X1.0L [DC TYPE]

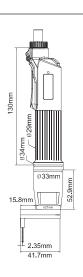


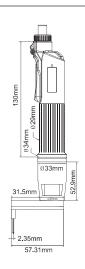
Customizable ESD anti-static type

- / low inertia, low impact, low vibration, extended life
- Patented Z-AXIS for narrow space fastening can be customized according to the center distance
- Screw counting, counting statistics, fool-proofing, can communicate with external I/O equipment, assist in improving high quality workpiece fastening (with fool-proof counting power supply manager)
- ✓ With a small fool-proof counter, can be operated on the DC line to detect screw mixing, floating, cross thread, mis-lock and other errors.
- With the serial port power supply, it can be connected to communication fixtures and second fastening (2 to 9 locks) can be customized.

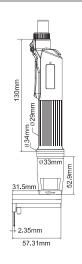
Lever start











IN-LINE

Z-AXIS SHORT

Z-AXIS EXTENDED

Z-AXIS SHORT W/LED

Z-AXIS EXTENDED W/LED

MINI (SWISS) DUST FREE MOTOR SCREWDRIVER SPECIFICATIONS

MODEL NO.	POWER SUPPLY	VOLTAGE	TORQUE	RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	B İ T TYPE	SCREW THREAD	DIAMETER (mm)
LEVER START	POWER SUPPLI	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DITTIFE	MACHINE	TAPPING
BF-X0.8LD	APS-201B	9-19	0.15-0.8	0,015-0,08	80-180	250	ф 29	186	ф4	1,0-1,8	0,6-1,4
BF-X1.0LD	AF3-2016	9-19	0.15-1.0	0.015-0.1	150-300	190	ф 29	181	ф4	1.0-1.8	0.6-1.4
BF-X1.0L		20-30	0.15-1.0	0.015-0.1	650-1000	190	ф 29	181	ф4	1.0-1.8	0.6-1.4
BF-X2.0L	APS-301B	20-30	0.3-2.0	0.03-0.2	650-1000	190	ф 29	181	ф4	1.0-2.2	1.0-2.0
BF-X3.0L		20-30	0.4-3.0	0.04-0.3	450-700	190	ф 29	181	ф 4	1.0-2.6	1.0-2.0

MINI (SWISS) DUST FREE MOTOR Z-AXIS SPECIFICATIONS

	,										
MODEL NO.	POWER SUPPLY	VOLTAGE	TORQUE	RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)
LEVER START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DITTIFE	MACHINE	TAPPING
BF-X0.8LDZ	ADC 001D	9-19	0.15-0.8	0.015-0.08	80-180	290	ф 29	216	ф 2.49	1.0-1.8	0.6-1.4
BF-X0.8LDZ-1	APS-201B	9-19	0.15-0.8	0.015-0.08	80-180	310	ф 29	216	ф 2,49	1.0-1.8	0.6-1.4

BAIND (OVALIDO)	DUOT EDEE MOTOD 7 AVIO	2 W// ED ODEOLEIO ATIONO
MINI (SWISS)	DUSTERE MOTOR /-AXIS	S W/LED SPECIFICATIONS

MODEL NO.	POWER SUPPLY	VOLTAGE	TORQUI	RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	SCREW THREAD DIAME		DIAMETER (mm)
LEVER START	I OWEN SOFFEI	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	BILLIYE	MACHINE	TAPPING
BF-X0.8LDZL	- APS-201B	9-19	0.15-0.8	0.015-0.08	80-180	310	ф 29	216	ф 2.49	1.0-1.8	0.6-1.4
BF-X0.8LDZL-1		9-19	0.15-0.8	0.015-0.08	80-180	330	ф 29	216	ф 2,49	1.0-1.8	0.6-1.4

MINI (SWISS) DUST FREE MOTOR SCREWDRIVER ACCESSORIES

Z-AXIS is Patented Intellectual property, Copyright Infringement WILL BE PROSECUTED

ELECTRIC SCREWDRIVER + Z-AXIS SHORT/EXTENDED VERSION

The center distance of the Z-axis electric screwdriver head is the minimum spacing from the front end.



Z-AXIS ELECTRIC SCREWDRIVER + LED light

Designed for electric screwdriver head to go deep into the narrow spaces to easily align the LED with the screw hole position.







VACUUM SUCTION TYPE

High-end assembly design, designed for precision pick-up of small screws, used in assembly lines, automation.



INDUSTRIAL VERTICAL TORQUE ARM

Guarantees the electric screwdriver a precise vertical screw assembly.



SAS authorizes CEDAR OEM of Japan, Designed for high-precision three decimal place scale testing



Extra small hidden screw type, Sleeve can slide back to reveal screw.



Z-axis air-suction (short type)



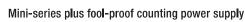
Z-axis air-suction (extended type)





Accurate to 3 decimal places

Detailed reference on page 45



Can detect screw mixing, floating, cross thread, missing screw and counting by assembly piece.



APS-201BTD Secondary fastening power supply



83×38×24 5mm Detailed reference on page 35



Vibration plate screw machine for automatic pickup of fine screws (Under 1.2mm)



Vibration plate screw machine

Detailed reference on page 43

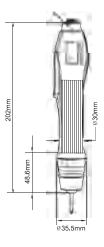
SMALL BRUSHLESS ELECTRIC SCREWDRIVER

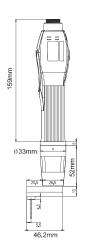
BLF-S1.0L [DC TYPE]

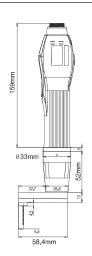


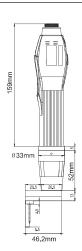
- / low inertia, low impact, low vibration, extended life
- Patented Z-AXIS for narrow space fastening can be customized according to the center distance
- Screw counting, counting statistics, fool-proofing, can communicate with external I/O equipment, assist in improving high quality workpiece fastening (with fool-proof counting power supply manager)
- With a small fool-proof counter, can be operated on the DC line to detect screw mixing, floating, cross thread, mis-lock and other errors.
- With the serial port power supply, it can be connected to communication fixtures and second fastening (2 to 9 locks) can be customized.

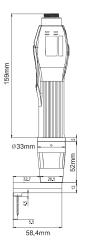
Lever start











IN-LINE

Z-AXIS SHORT

Z-AXIS EXTENDED

Z-AXIS SHORT W/LED

Z-AXIS EXTENDED W/LED

SMALL BRUSHLESS SCREWDRIVER SPECIFICATIONS

MODEL NO.	DOWED CURDLY	VOLTAGE	TORQUE	RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH		SCREW THREAD	DIAMETER (mm)
LEVER START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	B I T TYPE	MACHINE	TAPPING
BLF-S1.0LD	APS-201A	9-19	0.15-1.0	0.015-0.1	100-200	304	ф 30	202	φ 4 SH1/4	0.7-1.8	0.6-1.4
BLF-S1.0L		20-30	0.15-1.0	0.015-0.1	350-500	304	ф 30	202	φ 4 SH1/4	0.7-1.8	0.6-1.4
BLF-S2.0L] [20-30	0.3-2.0	0.03-0.2	650-1000	304	ф 30	202	φ 4 SH1/4	1.0-2.2	1.0-2.0
BLF-S3.0L	APS-301A	20-30	0.4-3.0	0.04-0.3	450-700	304	ф 30	202	φ 4 SH1/4	1.0-2.6	1,0-2,0
BLF-S5.0L	AFS-SUIA	20-30	0.5-5.0	0.05-0.5	650-1000	304	ф 30	202	φ 4 SH1/4	1.0-2.6	1.0-2.3
BLF-S6.0L	21	20-30	1.0-6.0	0.1-0.6	650-1000	304	ф 30	202	φ 4 SH1/4	1.4-2.6	1.4-2.3
BLF-S10L		20-30	1.5-10.0	0.15-1.0	650-1000	304	ф 30	202	φ 4 SH1/4	2.0-3.0	2.0-2.6

SMALL BRUSHLESS + Z-AXIS SPECIFICATIONS

MODEL NO.	POWER SUPPLY	VOLTAGE	TORQUE RANGE		RPM SPEED	WEIGHT	DIAMETER	LENGTH	B I T TYPE	SCREW THREAD DIAMETER (mm)	
LEVER START	FUWER SUFFLI	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILITE	MACHINE	TAPPING
BLF-S2.0LZ	_	20-30	0.3-2.0	0.03-0.2	650-1000	380	ф 30	235	ф 4	1.0-2.2	1.0-2.0
BLF-S2.0LZ-1	ADC 201A	20-30	0,3-2,0	0,03-0,2	650-1000	400	ф 30	235	ф 4	1,0-2,2	1,0-2,0
BLF-S3.5LZ	- APS-301A -	20-30	0.5-3.5	0.05-0.35	650-1000	380	ф 30	235	ф 4	1.0-2.6	1.0-2.3
BLF-S3.5LZ-1		20-30	0.5-3.5	0.05-0.35	650-1000	400	ф 30	235	ф 4	1,0-2,6	1,0-2,3

SMALL BRUSHLESS + Z-AXIS W/LED SPECIFICATIONS

MODEL NO.	POWER SUPPLY	VOLTAGE	TORQUE	RANGE RPM SPEED		WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD DIAMETER (mm)		
LEVER START	FUWEN SUFFLI	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILLITE	MACHINE	TAPPING	
BLF-S2.0LZL		20-30	0.3-2.0	0.03-0.2	650-1000	400	ф 30	235	ф 4	1.0-2.2	1.0-2.0	
BLF-S2.0LZL-1	APS-301A	20-30	0.3-2.0	0.03-0.2	650-1000	420	ф 30	235	φ4	1.0-2.2	1.0-2.0	
BLF-S3.5LZL	AFS-SUTA	20-30	0.5-3.5	0.05-0.35	650-1000	400	ф 30	235	ф 4	1.0-2.6	1.0-2.3	
BLF-S3.5LZL-1		20-30	0,5-3,5	0,05-0,35	650-1000	420	ф 30	235	ф 4	1,0-2,6	1,0-2,3	

SMALL BRUSHLESS SCREWDRIVER ACCESSORIES

Z-AXIS is Patented Intellectual property, Copyright Infringement WILL BE PROSECUTED

ELECTRIC SCREWDRIVER + Z-AXIS SHORT/EXTENDED VERSION

The center distance of the Z-axis electric screwdriver head is the minimum spacing from the front end.



2.35mm

/

Z-AXIS ELECTRIC SCREWDRIVER + LED light

Designed for electric screwdriver head to go deep into the narrow spaces to easily align the LED with the screw hole position.





VACUUM SUCTION TYPE

High-end assembly design, designed for precision pick-up of small screws, used in assembly lines, automation.



Extra small hidden screw type, Sleeve can slide back to reveal screw.



Z-axis air-suction (short type)



Z-axis air-suction (extended type)

INDUSTRIAL VERTICAL TORQUE ARM

Guarantees the electric screwdriver a precise vertical screw assembly.



PRECISION TORQUE TESTER

SAS authorizes CEDAR OEM of Japan, Designed for high-precision three decimal place scale testing





Mini-series plus fool-proof counting power supply



83×38×24.5mm

Detailed reference on page 35



Vibration plate screw machine for automatic pickup of fine screws (Under 1.2mm)



Vibration plate screw machine

Detailed reference on page 43

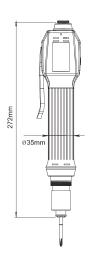
MEDIUM BRUSHLESS ELECTRIC SCREWDRIVER

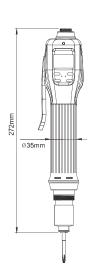
BLF-M20L/P F [Standard Type] BLC-M20L/P F [Counter Type]

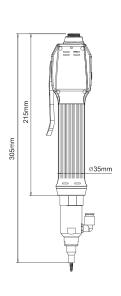
Error proof fastening (blc Series)

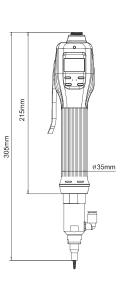
- The insulated body, non-slip design effectively reduces overall mechanical loss and the high-efficiency motor can enhance precision.
- Anti-aging clutch torque design to prevent clutch torque degrade.
- / Pull-Out Bit Holder, Prevents Bit from Coming Loose or Falling Out.
- Screw counter integrated into the electric screwdriver to reduce cost and save space.
- Liquid LCD panel W/ three visual color prompts for OK/ NG/ PASS
- Built in alarm with adjustable volume setting (sound prompts)
- A variety of screw specification modules can be quickly used according to demand (5 groups)
- Power-off function upon workpiece completion (interval prompt)

Lever start/ Push start









Standard P/L

Counter P/L

Standard Suction P/L

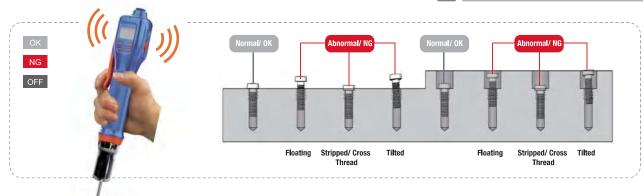
Counter Suction P/L

Medium Brushless Specifications

MODE	L NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	SCREW THREAD DIAMETER (mm)	
LEVER START	PUSH START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILITYE	MACHINE	TAPPING	
BLF-M20LF	BLF-M20PF		20-30	5.0-20	0,5-2,0	1400-2000	546	ф 35	272	φ5 SH5 SH1/4	2.4-4.0	2,0-3,0	
BLF-M20L	BLF-M20P	APM-302A	20-30	5.0-20	0.5-2.0	650-1100	546	ф 35	272	φ5 SH5 SH1/4	2.4-4.0	2.0-3.0	
BLF-M30L	BLF=M30P		20-30	8.0-30	0.8-3.0	650-1100	546	ф 35	272	φ5 SH5 SH1/4	3.0-4.0	2,0-3,5	
BLF-M40L	BLF-M40P	APL-301A	20-30	10-40	1.0-4.0	650-1100	546	φ35	272	φ5 SH5 SH1/4	3.5-5.0	3.0-4.0	
BLF-M50L	BLF=M50P	AI L-301A	20-30	20-50	2.0-5.0	280-500	546	ф 35	272	φ5 SH5 SH1/4	4.0-6.0	3.0-5.0	

Medium	Brushless	Counter S	pecifications
modiani	Diadilloco	ocalitoi c	poomoationo

MODE	L NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD DIAMETER (mm)	
LEVER START	PUSH START	POWER SUPPLI	(DCV)	kgf.cm	N₌m	rpm±10%	g	mm	mm	DITTE	MACHINE	TAPPING
BLC-M20LF	BLC-M20PF		20-30	5.0-20	0.5-2.0	1400-2000	570	ф 35	272	φ5 SH5 SH1/4	2.4-4.0	2.0-3.0
BLC-M20L	BLC-M20P	APM-302A	20-30	5.0-20	0.5-2.0	650-1100	570	ф 35	272	φ5 SH5 SH1/4	2.4-4.0	2.0-3.0
BLC-M30L	BLC-M30P		20-30	8.0-30	0.8-3.0	650-1100	570	ф 35	272	φ5 SH5 SH1/4	3.0-4.0	2.0-3.5
BLC-M40L	BLC-M40P	APL-301A	20-30	10-40	1.0-4.0	650-1100	570	ф 35	272	φ5 SH5 SH1/4	3.5-5.0	3.0-4.0
BLC-M50L	BLC-M50P	MFL-301A	20-30	20-50	2.0-5.0	280-500	570	ф 35	272	φ5 SH5 SH1/4	4.0-6.0	3.0-5.0



Electric Screwdriver Built in Fool-Proof counter

Multiple screw specification module: settings can be stored and cycled (up to 5 groups)

Screw quantity setting: Can set workpiece screw number (up to 99 pieces) and will display the number of screws remaining increasing or decreasing.

Alarm function: When a screw is fastened, a beeping sound is emitted, together with the LED to notify the operator of a pass/fail fastening result.

Screw fastening completion notification: When the screw is fastened, a beep will alert the operator that the piece is complete, the screw setting will reset to the next workpiece.

Fastening Error: Prevent incorrect fastening caused by confirmed fastening, multiple fastening and secondary fastening.

Operation reset time: Can preset the time of each workpiece from picking the screw to completion of fastening. If the fastening fails to finish in the preset time, an alert will notify the operator which can help more productivity and improve work efficiency. Can be set from 0.1s to 99.0s.

Reverse recovery ON/OFF: Reverse recovery can be turned on or off and can be set to 0.1s to 5.0s. If the workpiece has a fastening error and the screw needs to be recovered, the reverse recovery time must exceed the set seconds, then the counter will subtract 1.

Secondary fastening time: Fastening confirmation within the set time without judging OK/NG. can set for 0.1s to 9.9s

Error detection: do not detect, detect lower limit, detect upper limit, detect upper and lower limit can be set.

Multi-Fastening loop mode: Can store multiple group settings to be placed on a loop after the value for each group has been stored.

Counter: Counter can be disabled and can be used as an ordinary electric screwdriver, can also be connected to external counter.

Special Design: Fastening for each screw can be a single lock or a secondary lock to ensure fastening quality. (time can be set)

ACCESSORIES



AM Series Vacuum Type

The screw is picked up by suction which saves time. Can pick up stainless steel and non-magnetic screws. Can remove dust from screws, higher efficiency.

Purchasing guide:

First, select the model and bit size (Φ 4, Φ 5, $\frac{1}{4}$) then provide screw samples or drawings of length, head, and depth of the object being fastened.



Weight and inertia reducing spring balancer W/ vertical torque Arm

The spring balancer and torque arm combination will keep the screwdriver vertical to increase precision and quality of fastening while reducing fatigue for the operator and improve work

For medium torque range



Multifunctional Power Supply

Can be connected in series with Screwdrivers, screw machines and more. Can be set so that no screw fastening errors occur.



90° right angle head

Industrial grade right angle head with built in needle roller bearings can increase torque by 30%



Max load 14N m Use: lever start Standard and Counter type

Gun Type

For vertical operation, double ring design, ensures operating convenience.



For medium torque range

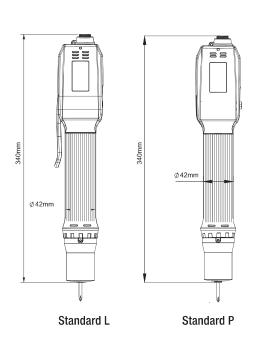
LARGE BRUSHLESS ELECTRIC **SCREWDRIVER**

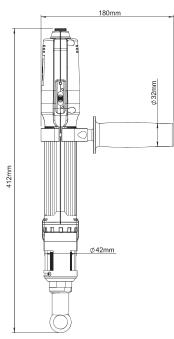
BLF-L50L/P F [Standard Type] BLC-L150L/P [Counter Type]

Error proof fastening (blc Series)

- The insulated body, non-slip design effectively reduces overall mechanical loss and the high-efficiency motor can enhance precision.
- Anti-aging clutch torque design to prevent clutch torque degrade.
- Pull-Out Bit Holder, Prevents Bit from Coming Loose or Falling Out.
- Screw counter integrated into the electric screwdriver to reduce cost and save space.
- Liquid LCD panel displays the number of locked OK and NG, or standard tightening time and actual tightening time, which can be switched freely
- / I/O communication with external equipments available to assist in improving the quality of workpiece screw locking.

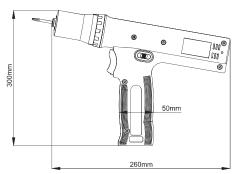
Lever start/ Push start





can be used with 90° head and Pistol grip.

According to tightening conditions,



Gun Type L/P

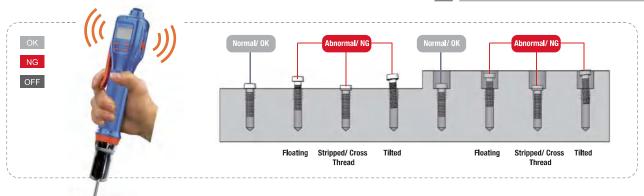
Large Brushless Specifications

MODI	L NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)
LEVER START	PUSH START	FUWER SUFFLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILLITE	MACHINE	TAPPING
BLF-L35L F	BLF-L35P F		40	15-35	1.5-3.5	3600	1070	ф 42	340	SH5 SH1/4	3.0-4.0	2.0-3.5
BLF-L50L F	BLF-L50P F		40	20-50	2.0-5.0	2400	1070	ф 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L60L F	BLF-L60P F		40	25-60	2.5-6.0	2000	1070	ф 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L60L	BLF-L60P	APL-401A	40	25-60	2.5-6.0	1300	1070	ф 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L90L	BLF-L90P]	30-40	40-90	4.0-9.0	700-1000	1070	ф 42	340	SH1/4	4.1-7.0	3.3-6.0
BLF-L110L	BLF-L110P		30-40	60-110	6.0-11.0	650-850	1070	φ 42	340	SH1/4	5.0-8.0	4.0-7.0
BLF-L150L	BLF-L150P	1	40	80-150	8.0-15.0	400	1070	ф 42	340	SH1/4	6.0-9.0	5.0-8.0

Right Angle /L

Large Brushless	Countar C	naaifiaatiana
Large Drusilless	s Counter o	oteroll fourtifolds

_												
MODI	EL NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)
LEVER START	PUSH START	TOWER SUFFLI	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DITTIFE	MACHINE	TAPPING
BLF-L35L F	BLF-L35P F		40	15-35	1.5-3.5	3600	1070	ф 42	340	SH5 SH1/4	3.0-4.0	2.0-3.5
BLF-L50L F	BLF-L50P F		40	20-50	2.0-5.0	2400	1070	ф 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L60L F	BLF-L60P F	1	40	25-60	2.5-6.0	2000	1070	ф 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L60L	BLF-L60P	AML-401A	40	25-60	2.5-6.0	1300	1070	ф 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L90L	BLF-L90P		30-40	40-90	4.0-9.0	700-1000	1070	ф 42	340	SH1/4	4.1-7.0	3.3-6.0
BLF-L110L	BLF-L110P		30-40	60-110	6.0-11.0	650-850	1070	ф 42	340	SH1/4	5.0-8.0	4.0-7.0
BLF-L150L	BLF-L150P		40	80-150	8.0-15.0	400	1070	ф 42	340	SH1/4	6.0-9.0	5.0-8.0



Electric Screwdriver Built in Fool-Proof counter

Multiple screw specification module: settings can be stored and cycled (up to 5 groups)

Screw quantity setting: Can set workpiece screw number (up to 99 pieces) and will display the number of screws remaining increasing or decreasing.

Alarm function: When a screw is fastened, a beeping sound is emitted, together with the LED to notify the operator of a pass/fail fastening result.

Screw fastening completion notification: When the screw is fastened, a beep will alert the operator that the piece is complete, the screw setting will reset to the next workpiece.

Fastening Error: Prevent incorrect fastening caused by confirmed fastening, multiple fastening and secondary fastening.

Operation reset time: Can preset the time of each workpiece from picking the screw to completion of fastening. If the fastening fails to finish in the preset time, an alert will notify the operator which can help more productivity and improve work efficiency. Can be set from 0.1s to 99.0s.

Reverse recovery ON/OFF: Reverse recovery can be turned on or off and can be set to 0.1s to 5.0s. If the workpiece has a fastening error and the screw needs to be recovered, the reverse recovery time must exceed the set seconds, then the counter will subtract 1.

Secondary fastening time: Fastening confirmation within the set time without judging OK/NG. can set for 0.1s to 9.9s

Error detection: do not detect, detect lower limit, detect upper limit, detect upper and lower limit can be set.

Multi-Fastening loop mode: Can store multiple group settings to be placed on a loop after the value for each group has been stored.

Counter: Counter can be disabled and can be used as an ordinary electric screwdriver, can also be connected to external counter.

Special Design: Fastening for each screw can be a single lock or a secondary lock to ensure fastening quality. (time can be set)

ACCESSORIES



AM Series Vacuum Type

The screw is picked up by suction which saves time. Can pick up stainless steel and non-magnetic screws. Can remove dust from screws, higher efficiency.

Purchasing guide:

First, select the model and bit size (Φ 4, Φ 5, $\frac{1}{4}$) then provide screw samples or drawings of length, head, and depth of the object being fastened.



Weight and inertia reducing spring balancer W/ vertical torque Arm

The spring balancer and torque arm combination will keep the screwdriver vertical to increase precision and quality of fastening while reducing fatigue for the operator and improve work efficiency.

For medium and large torque range Detailed reference on page 47

Multifunctional Power Supply

Can be connected in series with Screwdrivers, screw machines and more. Can be set so that no screw fastening errors occur.

172×84×61mm



90° right angle head

Industrial grade right angle head with built in needle roller bearings can increase torque by 30%



Max load 14N m

Use: lever start Standard and Counter type

Gun Type

For vertical operation, double ring design, ensures operating convenience.



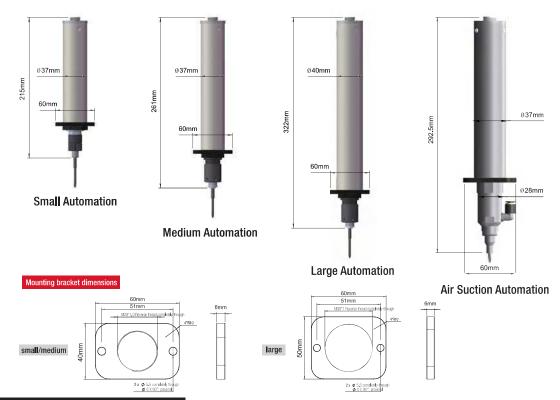
For large torque range (integrated)

BRUSHLESS ELECTRIC SCREWDRIVER FOR AUTOMATION

BLF-S1.0LT BLF-M20LFT BLF-L50LFT

Practical, Durable, Simplistic

- Accurate and stable torque, maintaining the durability of screw fastening.
- Dedicated Automated machine (T) and (TA) can be air suction type.
- Can pick up screws using a hidden sleeve, suitable for fastening deep hole screws.
- Special power supply for automated machines which can drive reverse electric screwdrivers.
- / With a multifunctional power supply, can better meet the quality and fastening requirements.



SMALL AUTOMATED BRUSHLESS SCREWDRIVER

MODEL NO.	DOMED CHIDDLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	DIT TVDE	SCREW THREAD	DIAMETER (mm)
LEVER START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	BIT TYPE	MACHINE	TAPPING
BLF-S1.0LDT	APS-201AT	9-19	0.15-1.0	0.015-0.1	100-200	520	ф 37	215	φ 4 SH1/4	0.7-1.8	0.6-1.4
BLF-S1.0LT		20-30	0.15-1.0	0.015-0.1	350-500	520	ф 37	215	φ 4 SH1/4	0.7-1.8	0.6-1.4
BLF-S2.0LT		20-30	0.3-2.0	0.03-0.2	650-1000	520	ф 37	215	φ4 SH1/4	1.0-2.2	1.0-2.0
BLF-S3.0LT	APS-301AT	20-30	0.4-3.0	0.04-0.3	450-700	520	ф 37	215	φ4 SH1/4	1.0-2.6	1.0-2.0
BLF-S5.0LT	AF3-30 IAI	20-30	0.5-5.0	0.05-0.5	650-1000	520	ф 37	215	φ 4 SH1/4	1.0-2.6	1.0-2.3
BLF-S6.0LT		20-30	1.0-6.0	0.1-0.6	650-1000	520	ф 37	215	φ4 SH1/4	1.4-2.6	1.4-2.3
BLF-S10LT	1	20-30	1.5-10.0	0.15-1.0	650-1000	520	ф 37	215	φ4 SH1/4	2.0-3.0	2,0-2,6

MEDIUM AUTOMATED BRUSHLESS SCREWDRIVER

MODEL NO.	POWER SUPPLY	VOLTAGE	GE TORQUE RANGE		RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD DIAMETER (mi	
LEVER START	PUWEN SUPPLI	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DITTE	MACHINE	TAPPING
BLF-M20LFT		20-30	5.0-20	0.5-2.0	1400-2000	950	ф 37	261	φ 5 SH5 SH1/4	2.4-4.0	2.0-3.0
BLF-M20LT	APM-302AT	20-30	5.0-20	0.5-2.0	650-1100	950	ф 37	261	φ 5 SH5 SH1/4	2.4-4.0	2.0-3.0
BLF-M30LT		20-30	8.0-30	0.8-3.0	650-1100	950	ф 37	261	φ5 SH5 SH1/4	3.0-4.0	2.0-3.5
BLF-M40LT	APL-301AT	20-30	10-40	1.0-4.0	650-1100	950	ф 37	261	φ5 SH5 SH1/4	3.5-5.0	3.0-4.0
BLF-M50LT	ALL-SUIAI	20-30	20-50	2.0-5.0	280-500	950	ф 37	261	φ5 SH5 SH1/4	4.0-6.0	3.0-5.0

LARGE AUTOMATED BRUSHLESS SCREWDRIVER

MODEL NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)
LEVER START	TOWER SUFFLI	(DCV)	kgf₌cm	N.m	rpm±10%	g	mm	mm	DITTIFE	MACHINE	TAPPING
BLF-L60LFT		40	25-60	2.5-6.0	2000	1300	ф 40	322	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L60LT		40	25-60	2.5-6.0	1000	1300	ф 40	322	SH5 SH1/4	4.0-6.0	3,0-5,0
BLF-L90LT	APL-401AT	40	40-90	4.0-9.0	1000	1300	ф 40	322	SH1/4	4.1-7.0	3.3-6.0
BLF-L120LT		40	60-120	6.0-12.0	880	1300	ф 40	322	SH1/4	5.0-8.0	4.0-7.0
BLF-L150LT		40	65-150	6,5-15,0	250	1300	ф 40	322	SH1/4	6,0-9,0	5,0-8,0

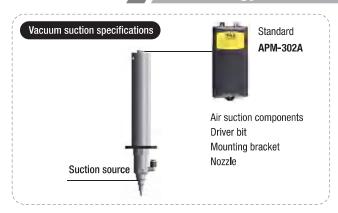
VACUUM SUCTION BLF-S1.0LTA SERIES

Through reverse vacuum suction, stainless steel and other non-magnetic screws are easily picked up. The automatic built in suction catheter around the head allows for quick vertical assembly.



Purchasing guide:

- First, select the applicable screwdriver (A) (B) (C)
- Provide bit size (medium 4, Φ5, ¼) and then provide screw samples or drawings of length, head, and depth of the object being fastened.
- M1.2 M3.5 design, built in guide sleeve, when the screw is in position, the sleeve will slide back as the screw is guided into position.



Built-in Nozzle catheter position



A	В	С
Туре	Туре	Type
BLF-S1.0LTDA	BLF-M20LFT	BLF-L60LFTA
BLF-S1.0LTA	BLF-M20LT	BLF-L60LTA
BLF-S2.0LTA	BLF-M30LT	BLF-L80LTA
BLF-S3.0LTA	BLF-M40LT	BLF-L100LTA
BLF-S5.0LTA	BLF-M50LT	BLF-L120LTA
BLF-S6.0LTA		BLF-L150LTA
BLF-S10LTA		

Power Supply for Automation

Standard automation port 172×84×46mm



APM-302AT

Multifunctional Power Supply

Can be connected in series with Screwdrivers, screw machines and more. Can be set so that

no screw fastening errors occur.

Standard automation port 172×84×61mm



AMM-301AT

Detailed reference on page 31

Automation Screw Feeder

You can connect automated screwdriver with screw feeder to work in combination.



AT-1030TC

Detailed reference on page 42

DC high flexible
Anti-interference chord



coil chord



Heavy spring

	Standa	rd 2M anti-interfere	nce cable	
Style	5P	6P	5P	6P
Length	2M	2M	5M	5M
Model No.	P2W092	P2W093	Specific length can	be custom ordered

Heavy spring coil chord (optional)													
Style	Style 5P 6P 5P 6P												
Length	2M	2M	5M	5M									
Model No.	2W2210	P2W053	Specific length can	be custom ordered									

Separated Torque Tester
(Used for Automation platform fasten testing)



Detailed reference on page 45

Precision Torque Tester



Designed for high-precision three decimal place scale testing

LARGE GUN TYPE BRUSHLESS ELECTRIC **SCREWDRIVER**

BLF-L50L/P FPG [Standard]

Precise high-durability in a compact structure

- Simplified control circuit, improved durability convenient maintenance.
- Torque accuracy is stable and screw fastening quality is maintained
- The body structure is exquisite and durable, lightweight and suitable for long term operation.
- Integrated fool-proof counter
- Can add with multifunctional fool-proof counter power supply and can be connected in series with Screwdrivers, screw machines and more. Can be set so that no screw fastening errors occur.

Lever start/ Push start

Large brushless Gun Type BLF-L50L/P FPG

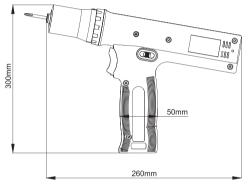


Standard Power Supply Standard Automation port 225×112×70mm

Detailed reference on page 33



APL-301A



Multifunctional power Supply

Can be connected in series with Screwdrivers. screw machines and more. Can be set so that no screw fastening errors occur.

Standard Automation port 225×112×70mm

Detailed reference on page 31



AML-301A

Large brushless Gun Type

MOD	EL NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)
LEVER START	PUSH START	PUWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILITE	MACHINE	TAPPING
BLF-L35L FPG	BLF-L35P FPG		40	15-35	1.5-3.5	3600	1070	50	300	SH5 SH1/4	3.0-4.0	2.0-3.5
BLF-L50L FPG	BLF-L50P FPG		40	20-50	2.0-5.0	2400	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L60L FPG	BLF-L60P FPG		40	25-60	2.5-6.0	2000	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L60L PG	BLF-L60P PG	APL-401A	40	25-60	2.5-6.0	1300	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0
BLF-L90L PG	BLF-L90P PG		30-40	40-90	4.0-9.0	700-1000	1070	50	300	SH1/4	4.1-7.0	3.3-6.0
BLF-L110L PG	BLF-L110P PG		30-40	60-110	6.0-11.0	650-850	1070	50	300	SH1/4	5.0-8.0	4.0-7.0
BLF-L150L DPG	BLF-L150P DPG		40	80-150	8.0-15.0	400	1070	50	300	SH1/4	6.0-9.0	5.0-8.0

Large	brushi	ess	Gun	W/d	counter

_a.g	Tally of the state												
MOD	EL NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)	
LEVER START	PUSH START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILITE	MACHINE	TAPPING	
BLF-L35L FPG	BLF-L35P FPG		40	15-35	1.5-3.5	3600	1070	50	300	SH5 SH1/4	3.0-4.0	2.0-3.5	
BLF-L50L FPG	BLF-L50P FPG		40	20-50	2.0-5.0	2400	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0	
BLF-L60L FPG	BLF-L60P FPG		40	25-60	2.5-6.0	2000	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0	
BLF-L60L PG	BLF-L60P PG	AML-401A	40	25-60	2.5-6.0	1300	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0	
BLF-L90L PG	BLF-L90P PG		30-40	40-90	4.0-9.0	700-1000	1070	50	300	SH1/4	4.1-7.0	3.3-6.0	
BLF-L110L PG	BLF-L110P PG		30-40	60-110	6.0-11.0	650-850	1070	50	300	SH1/4	5.0-8.0	4.0-7.0	
BLF-L150L DPG	BLF-L150P DPG		40	80-150	8.0-15.0	400	1070	50	300	SH1/4	6.0-9.0	5.0-8.0	

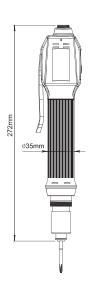
BRUSH ELECTRIC SCREWDRIVER SERIES

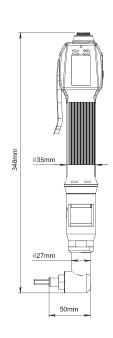
BF-M50L/P [Medium-large]

Practical efficiency in fastening screws at low torque

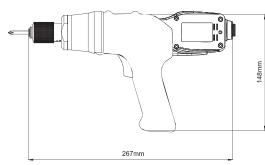
- Suitable for general size screws, accurate torque, practical and economical.
- Low-voltage DC design makes it safe to use.
- Small and light makes it suitable for long operation times.

Lever start/ Push start





According to tightening conditions, can be used with 90° head and Pistol grip.



Medium-large L/P

L right angle head

L/P pistol grip

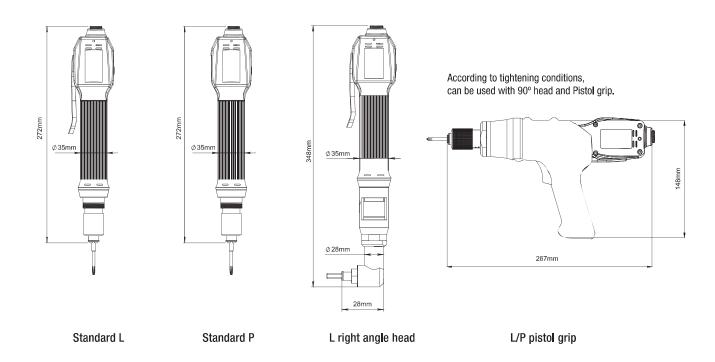
Medium-large Brush Electric Screwdriver													
MODE	L NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)	
LEVER START	PUSH START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILLIFE	MACHINE	TAPPING	
BF-M20LF	BF-M20PF		20-30	5.0-20	0.5-2.0	1400-2000	720	ф 37	261	φ5 SH5 SH1/4	2.4-4.0	2.0-3.0	
BF-M20L	BF-M20P		20-30	5.0-20	0.5-2.0	650-1100	720	ф 37	261	φ5 SH5 SH1/4	2.4-4.0	2.0-3.0	
BF-M30L	BF-M30P	APM-301B	20-30	8.0-30	0.8-3.0	650-1100	720	ф 37	261	φ5 SH5 SH1/4	3.0-4.0	2.0-3.5	
BF-M40L	BF-M40P		20-30	10-40	1.0-4.0	650-1100	720	ф 37	261	φ5 SH5 SH1/4	3,5-5,0	3,0-4,0	
BF-M50L	BF-M50P		20-30	20-50	2.0-5.0	280-500	720	ф 37	261	φ5 SH5 SH1/4	4.0-6.0	3.0-5.0	

BLH-M20L/P F [DC Type]

Environmentally friendly, No pollution, No noise, High efficiency and durability. Replaces high voltage electric screwdrivers, pneumatic screwdrivers and hydraulic screwdrivers.

- Extended life warranty: The service life is several times higher than high voltage electric screwdrivers.
- Solves the problem of pneumatic and hydraulic screwdrivers need to add other components such as air compressors and pipelines. Low maintenance and low energy use will save you on your annual costs.
- Meets environmental protection standards, no pollution, no dust and can improve workplace quality.

Lever start/ Push start



Medium Br	ushless ECO	-friendly Ser	mi-Auto									
MODE	L NO.	POWER SUPPLY	VOLTAGE	TORQU	E RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm)
LEVER START	PUSH START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DILITE	MACHINE	TAPPING
BLH-M20LF	BLH-M20PF		20-30	5.0-20	0.5-2.0	1400-2000	546	ф 35	272	φ5 SH5 SH1/4	2.4-4.0	2.0-3.0
BLH-M20L	BLH-M20P	APM-301H	20-30	5.0-20	0.5-2.0	650-1100	546	ф 35	272	φ5 SH5 SH1/4	2,4-4,0	2.0-3.0
BLH-M30L	BLH-M30P		20-30	8.0-30	0.8-3.0	650-1100	546	ф 35	272	φ5 SH5 SH1/4	3.0-4.0	2.0-3.5
BLH-M40L	BLH-M40P	APL-401H	20-30	10-40	1.0-4.0	650-1100	546	ф 35	272	φ5 SH5 SH1/4	3.5-5.0	3.0-4.0
BLH-M50L	BLH-M50P	ALC-4010	20-30	20-50	2.0-5.0	280-500	546	ф 35	272	φ5 SH5 SH1/4	4.0-6.0	3.0-5.0

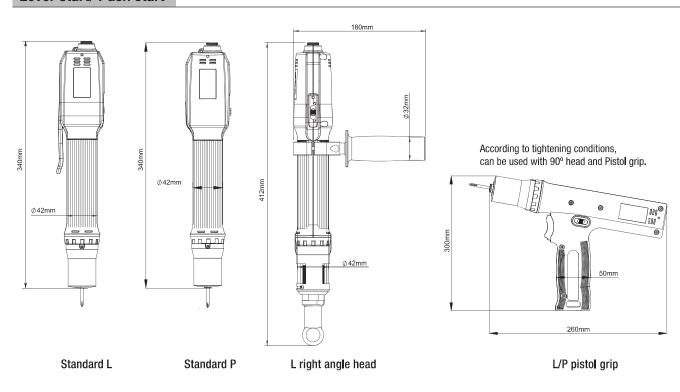
LARGE BRUSHLESS ECO-FRIENDLY SEMI-AUTO ELECTRIC SCREWDRIVER

BLH-L50L/P F [DC Type]

Environmentally friendly, No pollution, No noise, High efficiency and durability. Replaces high voltage electric screwdrivers, pneumatic screwdrivers and hydraulic screwdrivers.

- Extended life warranty: The service life is several times higher than high voltage electric screwdrivers.
- Solves the problem of pneumatic and hydraulic screwdrivers need to add other components such as air compressors and pipelines. Low maintenance and low energy use will save you on your annual costs.
- Meets environmental protection standards, no pollution, no dust and can improve workplace quality.

Lever start/ Push start



Large Brus	Large Brushless ECO-friendly Semi-Auto													
MODE	EL NO.	DOMED CHOOK	VOLTAGE	TORQU	IE RANGE	RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD	DIAMETER (mm		
LEVER START	PUSH START	POWER SUPPLY	(DCV)	kgf₌cm	N.m	rpm±10%	g	mm	mm	DITTIFE	MACHINE	TAPPING		
BLH-L35L F	BLH-L35P F		40	15-35	1.5-3.5	3600	1070	φ 42	340	SH5 SH1/4	3.0-4.0	2.0-3.5		
BLH-L50L F	BLH-L50P F	1	40	20-50	2.0-5.0	2400	1070	ф 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0		
BLH-L60L F	BLH-L60P F		40	25-60	2.5-6.0	2000	1070	φ 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0		
BLH-L60L	BLH-L60P	APL-401H	40	25-60	2.5-6.0	1300	1070	φ 42	340	SH5 SH1/4	4.0-6.0	3.0-5.0		
BLH-L90L	BLH-L90P		30-40	40-90	4.0-9.0	700-1000	1070	ф 42	340	SH1/4	4.1-7.0	3.3-6.0		
BLH-L110L	BLH-L110P		30-40	60-110	6.0-11.0	650-850	1070	φ 42	340	SH1/4	5.0-8.0	4.0-7.0		
BLH-L150LD	BLH-L150P D	1	40	80-150	8.0-15.0	400	1070	ф 42	340	SH1/4	6.0-9.0	5.0-8.0		

BLH-L50L/P FPG [DC Type]

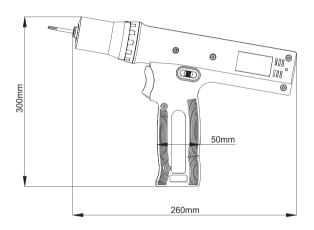
Environmentally friendly, No pollution, No noise, High efficiency and durability. Replaces high voltage electric screwdrivers, pneumatic screwdrivers and hydraulic screwdrivers.

- Extended life warranty: The service life is several times higher than high voltage electric
- Solves the problem of pneumatic and hydraulic screwdrivers need to add other components such as air compressors and pipelines. Low maintenance and low energy use will save you on your annual costs.
- Meets environmental protection standards, no pollution, no dust and can improve workplace quality.

Lever start/ Push start

Large Brushless Gun Type **BLH-L50L FPG**





Large Brushless ECO-friendly Semi-Auto Gun Type												
MODEL NO.		POWER SUPPLY	VOLTAGE	TORQUE RANGE		RPM SPEED	WEIGHT	DIAMETER	LENGTH	BIT TYPE	SCREW THREAD DIAMETER (mm)	
LEVER START	PUSH START	POWER SUPPLY	(DCV)	kgf.cm	N.m	rpm±10%	g	mm	mm	DITTIL	MACHINE	TAPPING
BLH-L35L FPG	BLH-L35P FPG		40	15-35	1.5-3.5	3600	1070	50	300	SH5 SH1/4	3.0-4.0	2.0-3.5
BLH-L50L FPG	BLH-L50P FPG		40	20-50	2.0-5.0	2400	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0
BLH-L60L FPG	BLH-L60P FPG		40	25-60	2.5-6.0	2000	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0
BLH-L60L PG	BLH-L60P PG	APL-401H	40	25-60	2.5-6.0	1300	1070	50	300	SH5 SH1/4	4.0-6.0	3.0-5.0
BLH-L90L PG	BLH-L90P PG		30-40	40-90	4.0-9.0	700-1000	1070	50	300	SH1/4	4.1-7.0	3.3-6.0
BLH-L110L PG	BLH-L110P PG		30-40	60-110	6.0-11.0	650-850	1070	50	300	SH1/4	5.0-8.0	4.0-7.0
BLH-L150L DPG	BLH-L150P DPG		40	80-150	8.0-15.0	400	1070	50	300	SH1/4	6.0-9.0	5.0-8.0

FOOLPROOF COUNTER MANAGEMENT POWER SUPPLY

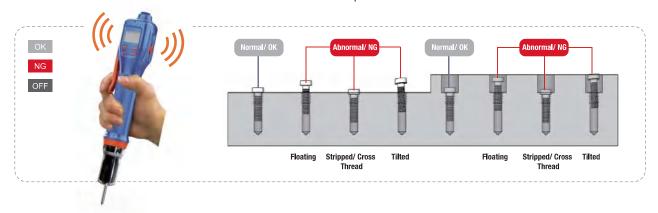
AM SERIES [DC Type]



AM Series controller

Safe output voltage, Unique quantity statistics, Time monitoring, floating inspection, multiple functions including detection of various screw errors.

- Up to 99 fastening samples can be obtained, and judgement criteria is more accurate. Can fine tune sampling according to the actual judgement data.
- Permissions password function to prevent improper settings and a LOCK button to prevent short term leave distortion of recorded data caused by improper operation with a memory of up to 10 sets of set values. Can save time of repeated settings and quickly change different fastening needs while on the assembly line.
- The main screen displays the locked OK and NG quality or standard fastening time and actual fastening, two kinds of fixed time. Can be switched at will.
- / With the quantity accumulation or unit quantity accumulation function, you can choose at will. The quantity accumulation can be up to 60,000 and the unit quantity can reach up to 99.
- Passive multi-node and non-directional dry contact (Switch value) I/O port can facilitate the aid of external equipment.
- Can communicate with external equipment I/O to assist in improving the fastening quality of the workpiece.



FOOLPROOF COUNTER MANAGEMENT POWER SUPPLY FUNCTION

Multi-Fastening loop mode	Can store multiple group settings (up to 10) to be placed on a loop after the value for each group has been stored.
Screw Quantity setting	Can set workpiece screw number (up to 99 pieces) and will display the number of screws remaining increasing or decreasing.
Alarm function	When a screw is fastened, a beeping sound is emitted, together with the LED to notify the operator of an OK/NG (pass/fail) fastening result.
Fastening Error	Prevent incorrect fastening caused by confirmed fastening, multiple fastening and secondary fastening.
Reverse recovery ON/OFF	Reverse recovery can be turned on or off and can be set to 0.1s to 5.0s. If the workpiece has a fastening error and the screw needs to be recovered, the reverse recovery time must exceed the set seconds, then the counter will subtract 1.
Secondary fastening time	Fastening confirmation within the set time without judging OK/NG. can set for 0.1s to 9.9s
Detection mode	Detect floating and cross thread function switch
Workpiece power-off function	Power off function when detect Floating screw, cross thread or completed fastening.
I/O signal output function	Can output start, break, OK, NG and workpiece completion signal.
Can support automated external control	

FOOLPROOF COUNTER MANAGEMENT POWER SUPPLY SPECIFICATIONS

	Screw Fastening digital management system							
Functions	SAS	SAS DD 0 8	SAS	SAS Propulation	SAS Productions			
Model Number	AMM-301A	AMS-301B	AML-301B	AML-301A	AML-401A			
Workpiece fastening count range	1-60000 Pieces	1-60000 Pieces	1-60000 Pieces	1-60000 Pieces	1-60000 Pieces			
	1-99 Pieces	1-99 Pieces	1-99 Pieces	1-99 Pieces	1-99 Pieces			
Fastening time and number of workpieces	1-99 Pieces	1-99 Pieces	1-99 Pieces	1-99 Pieces	1-99 Pieces			
Fastening value memory/module range	10-10 Group	10-10 Group	10-10 Group	10-10 Group	10-10 Group			
Fastening sample time range	0.01-9.99seconds	0.01-9.99seconds	0.01-9.99seconds	0.01-9.99seconds	0.01-9.99seconds			
Fastening error time value	±1-99%	±1-99%	±1-99%	±1-99%	±1-99%			
Determination	OK alarm and LCD green light display NG alarm and LCD red light display							
Signal output method	No-voltage contact signal (dry contact)							
Input voltage (VAC)	100-240							
Output voltage (VDC)		20-30	20-30	40				
Power (including electric screwdriver) (W)		75	150 150					
Plug								
Dimensions (mm)		172x84x61	225x112x70					
Weight (g)	450			570	600			
Applicable models	Medium brush- less power supply	Mini power supply Brush power supply	Large brush power supply	Medium brush- less power supply [40-50kgf.cm]	Large brushless power supply			

INDUSTRIAL GRADE BRUSH AND BRUSHLESS POWER SUPPLY

APS Series [DC Type] APM Series [DC Type] APL Series [DC Type]

Leading the industry for more than 40 years, low-voltage variable frequency power supply, low voltage electric screwdriver design and continuous improvement, our products are more precise, durable and made to perfection.

- Universal power supply: Universal power source for 100-240VAC 50/60Hz, global voltage source, variable frequency, constant pressure function, more stable torque, temperature and speed.
- Output stepless control: Output stepless control and constant voltage function, most suitable for the electronics technology industry. Light, thin, short and small assembly operation. The smaller the screw, the higher the requirements for screw fastening. Either longer or shorter screws, we can meet the requirements of high precision and
- Equipped with an output terminal signal which can be connected with an external controller to achieve control integration function.

Industrial brush/brushless power specifications

			•						
Functions	503			<u>545</u>		SAS	545	345	345
Model Number	APS-201B	APS-301B	APS-301A	APM-301B	APM-302A	APM-301H	APL-301A	APL-401A	APL-401H
Operating voltage (ACV)					100-240				
Output voltage (DCV)	9-19	20-30	20-30	20-30	20-30	20-30	20-30	40	40
Power (W)	38	60	60	75	75	75	150	150	150
Plug	5P	5P	5P	6P	5P	5P	5P	5P	5P
Dimensions (mm)	164x64x42			172x84x46 110x63			172x84x61	225x112x70	225x112x70
Weight (g)	300			380 500			570	600	600
Load current (A)				AMX2.0					
Applicable models	Mini	Small brush	Small brushless	Medium brush	Medium brushless	Medium brushless semi-auto	Medium brushless Large brushless	Large brushless	Large brushless semi-auto

APS-201B (brush power supply)

Applicable screwdriver model

Mini Series

BF-X0.8LDZ-1 BF-X0.8LD BF-X0.8LDZL BF-X1.0LD BF-X0.8LDZ BF-0.8LDZL-1

Operating voltage: 100-240ACV Output voltage: 9-19DCV

Power: 38W

Dimensions: 164x64x42mm

Weight: 300g Load current: MAX2.0A

Plug: 5P



APS-301B (brush power supply)

Applicable screwdriver model

Mini Series	Small brush serie
BF-X1.0L	BF-S2.0L
BF-X2.0L	BF-S5.0L
BF-X3.0L	BF-S6.0L
	BF-S10.0I

Operating voltage: 100-240ACV Output voltage: 20-30DCV

Power: 60W

Dimensions: 164x64x42mm

Weight: 300g Load current: MAX2.0A

Plug: 5P



FOOLPROOF COUNTER MANAGEMENT SPECIFICATIONS

APS-301A

Applicable screwdriver model

Small brushless series

BLF-S1.0LD BLF-S1.0L

BLF-S2.0L

BLF-S3.0L

BLF-S5.0L

BLF-S6.0L

BLF-S10L BLF-S2.0LZ

BLF-S3.5LZ

Operating voltage: 100-240ACV Output voltage: 20-30DCV

Power: 60W

Dimensions: 164x64x42mm

Weight: 300g Load current: MAX2.0A

Plug: 5P



APM-302A

Applicable screwdriver model

Medium brushless series

BLF-M20L/P F BLF-M20L/P BLF-M30L/P BLC-M20L/P F BLC-M20L/P

Operating voltage: 100-240ACV Output voltage: 20-30DCV

Power: 75W

BLC-M30L/P

Dimensions: 164x84x46mm

Weight: 380g Load current: MAX2.0A

Plug: 5P



APL-301A

Applicable screwdriver model

Medium brushless series

BLF-M40L/P BLF-M50L/P BLC-M40L/P BLC-M50L/P

Operating voltage: 100-240ACV Output voltage: 20-30DCV

Power: 150W

Dimensions: 172x84x61mm

Weight: 570g Load current: MAX2.0A

Plug: 5P



APM-301H

Applicable screwdriver model

Brushless Semi-auto

BLH-M20L/P F BLH-M20L/P BLH-M30L/P

Operating voltage: 100-240ACV Output voltage: 20-30DCV

Power: 75W

Dimensions: 110x63x32mm

Weight: 500g Load current: MAX2.0A

Plug: 5P



APL-401A

Applicable screwdriver model

Large brushless series

BLF-L35L/P F BLF-L50L/P F BLF-L60L/P F BLF-L60L/P BLF-L90L/P BLF-L110L/P

BLF-L150L/P D

Operating voltage: 100-240ACV

Output voltage: 40DCV

Power: 150W

Dimensions: 225x112x70mm

Weight: 600g Load current: MAX2.0A

Plug: 5P



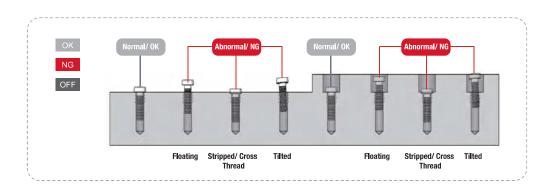
SMALL FOOLPROOF COUNTER

AD Series



Set the number of screws that can be fastened to the workpiece from 1-99, each when each screw is fastened, the display of the number of screws remaining can set to increase or decrease.

- A variety of screw specification modules can quickly be called according to demand (5 groups)
- Screw fastening time sample: Set the upper/lower limit of fastening time
- Detect floating and cross thread errors function
- Three color LCD display: The three colors indicate OK/NG and workpiece complete (visual cues)
- And alarm sounds to let the user know if OK/NG or workpiece complete. (audio cues)
- Workpiece complete power off function. (interval cue)



SMALL FOOLPROOF COUNTER FUNCTIONS

Variety of screw specifications module	Module group storage setting (up to 5 groups can be stored) and module code can be selected in a loop.					
Screw Quantity setting	Set the total number of screws for the workpiece (up to 99 can be set) as each screw is fastened, the remaining number can be displayed as increasing or decreasing in number.					
Alarm function	Every time a screw is tightened, an alarm will sound that will notify the operator the fastening results through an LED (Pass/Fail)					
Notification of complete fastening	The alarm will sound when screws are fastened and the number of fastened screws will be recirculated.					
Fastening error prevention	To prevent fastening errors like over tightening, multi-tightening and twice tightening.					
Job reset time	The time required for fastening each screw can be preset. When the time is reached and the fastening is not complete, an alarm will sound to notify the operator. This function can help to improve work efficiency. Can be set from 0-99 seconds.					
Reverse recovery ON/OFF	Set reverse recover ON/OFF. When the last screw is fastened OK the reverse operation, the counter will subtract 1. Can set the number 0.1-5.0 seconds.					
Second fastening time	Confirm the fastening angle within the set time range and not judge NG/OK. Can be set from 0.1-9.9 seconds.					
Detection mode	Do not detect upper and lower limits, only detect lower limit errors, upper limit errors or upper and lower limit errors.					
Multi-group cycle mode	Multi-group cycle mode must be stored in each group before use.					
Counter ON/OFF	Disable the counter function, can be used as a normal screwdriver or can connect with an existing counter.					
Special design	Fasten each screw, you can fasten twice at a time to ensure a quality fastening (time can be set)					

SMALL FOOLPROOF COUNTER SPECIFICATIONS

	Screw fastening foolproof power supply				
Functions					
Model Number	AD-40A	AD-40B			
Workpiece fastening count range	1-60000 Pieces	1-60000 Pieces			
Single fastening range setting	1-99 Pieces	1-99 Pieces			
Fastening time and number of workpieces	1-99 Pieces	1-99 Pieces			
Fastening value memory/module range	5 Group	5 Group			
Fastening sample time range	0.01-9.99 seconds	0.01-9.99 seconds			
Fastening error time value	±1-99%	±1-99%			
Determination	OK alarm and LCD green light display NG alarm and LCD red light display				
Signal output method	No				
Input voltage	20-30VDC (6P)	20-30VDC (5P)			
Output voltage	20-30VDC				
Power (including electric screwdriver) (W)	75W				
Dimensions	172x84x61mm				
Weight	450g				
Applicable models	Brushless Series	Mini Series Brush Series			

One screw feeder is suitable for multiple specifications of screw sizes (M1.0-M5.0) A simple adjustment of the track can produce fast and stable screw feeding. Greatly reduce production time and cost, Simple operation and convenient to use.

- Separate track design: Patented design lets you freely adjust the track for fast, stable feeding without screws getting jammed.
- The feed and vibration drive are independently controlled and the delay stop time can be set as desired. If an abnormal situation occurs, the feeder will alert the operator.
- The stacking and feeding speed can be adjusted according to work needs.
- AT-1030TC fixed rail, fixed piece type is suitable for any shape of M1.0-M3.5 screws. Automatic feeding and no screw jamming.
- There are standard types, Counting types, Special types for small screws, Special automation types and more to meet the demand in the assembly industry.



AT-1050

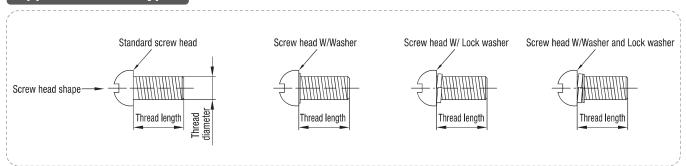


AT-1030TC



AT-1060

Applicable screw types



Model Number		AT-1050 AT-1050C	AT-1030TC	AT-1060 AT-1060C
Applicable	Screw thread diameter	M1.0/1.2/1.4/1.7/2.0/2.3mm M2.6/3.0/3.5/4.0/5.0mm	M1.0–3.5 mm	M1.0–6.0 mm
	Screw Head type	JIS: Cone, Button, Umbrella, Round, countersunk, WH, with lock washer, lock washer plus washer; JCIS: 1, 2, 3 and countersunk cone shaped heads	JIS: Flat head, Binding, Pressure, U countersunk) with or without washe	
screw	Screw head material	Iron or magnetic attracted material		
	Screw length (maximum)	20mm	10mm	20mm
	Screw length (minimum)	Single diameter x1.0; with lock washer: diameter	+ (0.5x diameter); With lock washer ar	nd washer: direct + (1.1x diameter)
Output speed		About 2 pieces per second	About 1 second/ ±0.3 seconds	About 2 pieces per second
Prof	tection/recovery	Overload pro	otection circuit, reverse polarity preve	ntion circuit
Input voltage			100 - 240V 50/60Hz	
Output voltage		DC12V 550mA	DC15V 1.5A	DC12V 550mA
Dimensions		180×125×150 mm	202.5×126×149 mm	232×162×169 mm
Weight		2.5kg	3.0kg	4.3kg
Accessories included		User man	ual, universal AC power adapter, Alle	n wrench



- Screw feeder adopts a gear ring drum feeder for low noise
- Automatically guided feeding with no jamming
- Adjustable screw feeding speed, easy to operate
- ✓ Compact size, Frees up space

Product Specifications

Model Number	AT-1050C	
Applicable screws	M1.0~M5.0 (track adjustable)	
Screw length	≤ 20mm	
Input voltage	AC100~240V 50/60Hz	
Output voltage DC12V 550mA		
Output speed 2 PCS/S		
Dimensions	180×125×150mm	
Weight	User manual, Power supply, Allen wrench	
Accessories included	About 2.14kg	



- / Adjustable track, by replacing the turntable, upper plate and adjusting the guiderail, can be applied to M1.0~M3.5
- Low noise, not easy to jam, reverse and fault alarm function
- Small size can free up space, feeding and vibration can be controlled separately
- / High repeat position accuracy, up to \pm 0.02mm
- ✓ One feeder can be used for multi-specific screws or special screws, 1:1 short screws
- Guide groves are added to the track to make it easier and more accurate to load the screws and is not easy to jam.

	·
Model Number	AT-1030A
Applicable screws	M1.0~M3.5
Screw length	≤ 10mm
Output speed	About 1 second/± 0.3 seconds
Input voltage	AC100~240V
Output voltage	DC15V 1.5A
Dimensions	202.5mm×126mm×149mm
Accessories included User manual, Power supply, Allen wrench	
Weight	About 3.5kg

MANUAL SCREW FEEDER



- Adjustable track, by replacing the turntable, upper plate and adjusting the guiderail, can be applied to M1.0~M5.0
- Low noise, not easy to jam, reverse and fault alarm function
- Small size can free up space, feeding and vibration can be controlled separately
- High repeat position accuracy, up to ± 0.02mm
- Prevent screw count errors with counter function

Product Specifications

Model Number	AT-2560A	
Applicable screws	M1,0~M5,0	
Screw length	≤ 20mm	
Output speed	About 1 second/± 0.3 seconds	
Input voltage	AC100~240V	
Output voltage	DC15V 1.5A	
Dimensions	263.5mm×162.4mm×169mm	
Accessories included	User manual, Power supply, Allen wrench	
Weight	About 4.2kg	

Air Blow Automatic Screw Feeder Machine



- Two stage feeding push material, large bin capacity and stable performance
- Mainly for large screws, long screws and special beads screws
- Lack of material and alarm and counting display function
- One by one or one by two out functions can be customized, default is one by one out

Working Description

Turn on power, Automatic machine gives a material demand command and the feeder will immediately provide the material after receiving the material command demand. The material is divided through the material distribution mechanism and the ring sensor detects that the screw is in place (ring sensor must be placed at the end of the pipeline, 30mm away from the clamping nozzle) after the screws are in place will send a pulse signal, the automation can fasten the screw after receiving the signal. Avoid damage to the workpiece, if the feeder does not detect the position after feeding, the feeding mechanism will divide the material again and an alarm will report if the screw is not detected 3 consecutive times. Avoid jams with the Anti-screw jamming guide. Built in sensor on the rail. If no material is sensed for 5 seconds, the hopper needs to be filled.

Model Number	AT-10 (blow type)
Applicable screws	M3.0~M6.0 (special screws)
Screw length	≤ 55mm
Output speed	60~120PCS/minute
Dimensions	428×221×360mm
Power supply	220V
Weight	About 20kg
Pipeline length	About 3m
Vibration method	Electromagnetic
Feeding method	Recommended two-stage feeding

MANUAL SCREW COUNTING FEEDER

Manual Screw Counting Feeder



- Screw feeder adopts a gear ring drum feeder for low noise
- Automatically guided feeding with no jamming
- Adjustable screw feeding speed, easy to operate
- Compact size, Frees up space

Product Specifications

Model Number	AT-150D
Screw length	M1.0~M5.0 suitable for 10mm screws, 1050T
Corew length	no more than 20mm
Output speed	0.8~1.2S/piece
Input voltage	AC 220V-240V/50HZ
Output voltage	DC 15V/1200mA
Dimensions	163×325.49×169mm
Accessories included	User manual, Power supply, Allen wrench

Working Description

1, Adjust the height of the pressure plate and brush.

The gap between the pressure plate and brush is between 0.2~1.0mm, if the gap is too small, the screw can not come out. If the gap is too large, the screw will be stacked together and the material will not be loaded well.

Brush height adjustment: The principal of brush adjusting the height of the brush is that it can be dropped horizontally. If too high or low, it will affect the movement of the screws.

2, Adjustment of the turntable and guide rail

First, make sure the screws that you are using match with the track of the turntable. Second, check whether the opening of the turntable is inline with the guide rail. If it is aligned, tighten the fastening screw on the turntable. The gap between the turntable and guide rail is 0.3~0.5mm;

3, Some parts need to be properly lubricated to keep parts moving normally

PRECISION SMALL SCREW FEEDERS

One screw feeder is suitable for multiple specifications of screw sizes (M1.0-M1.7) A simple adjustment of the track can produce fast and stable screw feeding. Greatly reduce production time and cost, Simple operation and convenient to use.

- Separate track design: Patented design lets you freely adjust the track for fast, stable feeding without screws getting jammed.
- The feed and vibration drive are independently controlled and the delay stop time can be set as desired. If an abnormal situation occurs, the feeder will alert the operator.
- The stacking and feeding speed can be adjusted according to work needs.





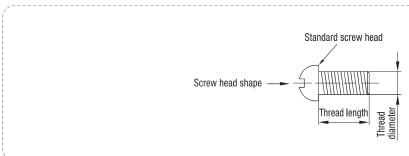


AT-1017A



AT-1017T

Applicable screw types



Model Number		AT-1017	AT-1017A	AT-1017T
	Screw thread diameter		M1.0-M1.7	
Applicable	Screw Head type		Flat head, round head type	
screw	Screw head material		Iron or magnetic attracted mate	erial
	Screw length (maximum)		8mm	
	Output speed		About 1.2 seconds/ ± 0.3 seco	nds
Pr	otection/recovery	Overload pr	otection circuit, reverse polarity p	prevention circuit
Input voltage			100 - 240 V 50/60Hz	
Output voltage			DC15V 1.2A	
Dimensions			160×76.4×124mm	
Weight			About 1.7kg	
Accessories included		User ma	nual, universal AC power adapter	, Allen wrench







- / Adjustable track, by replacing the turntable, upper plate and adjusting the guiderail, can be applied to M1.0~M4.0
- Low noise, not easy to jam, reverse and fault alarm function
- Small size can free up space, feeding and vibration can be controlled separately
- / High repeat position accuracy, up to \pm 0.02mm
- Signal output can be used with automated assembly

Product Specifications

Model Number	AT-1030TC	
Applicable screws	M1.0~M4.0	
Screw length	≤10mm	
Output speed	About 1 second/± 0.3 seconds	
Input voltage	AC220V~240V	
Output voltage	DC15V 1.2A	
Dimensions	202.5mm×126mm×149mm	
Accessories included User manual, Power supply, Allen wrench		
Weight	About 3.0kg	

- / Adjustable track, by replacing the turntable, upper plate and adjusting the guiderail, can be applied to M1.0~M5.0, Screw length can reach up to 12mm (customized)
- Low noise, not easy to jam, reverse and fault alarm function
- Small size can free up space, feeding and vibration can be controlled separately
- / High repeat position accuracy, up to \pm 0.02mm
- Signal output can be used with automated assembly

Product Specifications

Model Number	AT-2560TC
Applicable screws	M1.0~M5.0
Screw length	≤20mm
Output speed	About 1 second/± 0.3 seconds
Input voltage	AC220V~240V
Output voltage	DC15V 1.5A
Dimensions	263.5mm×162.4mm×169mm
Accessories included User manual, Power supply, Allen wrench	
Weight About 4.2kg	

- Small size, Turntable screw feeder
- With display and automatic control buttons
- Specially made for short screws, signal terminal for convenient signal communication.

Model Number	AT-1017T	
Applicable screws	Suitable for M1.7 screws and below. Max length L=8mm	
Screw length	≤8mm	
Output speed	1.2 second/± 0.3 seconds	
Input voltage 180-220V DC15V 1.2A		
Dimensions	160mm×76.4mm×124mm	
Accessories included	User manual, Power supply, Allen wrench	
Weight About 1.7kg		

AUTOMATED SCREW FEEDER



- Stainless-steel body, surface not easy to scratch or rust
- Low noise, not easy to jam, reverse and fault alarm function
- Small size can free up space, feeding and vibration can be controlled separately
- / High repeat position accuracy, up to \pm 0.02mm

Product Specifications

Model Number	AT-1030S (square gasket)
Applicable screws	customized according to the screw
Input voltage	AC100~240V DC15V 1.2A
Dimensions 202mm×126mm×149mm	
Reclaiming port height	76mm (may slightly differ)
Accessories included	User manual, Power supply, Allen wrench
Weight	About 4.0kg

AUTOMATED VIBRATION DISC COLUMN SCREW FEEDER



- Low noise, not easy to jam, reverse and fault alarm function
- Stainless-steel body, surface not easy to scratch or rust
- / High repeat position accuracy, up to \pm 0.02mm
- Signal output can be used with automated assembly
- Feeding plate integration for stable screw feeding
- Optimized spiral design consistent with the shape of the conveying screw
- Computer controlled digital display parameters at a glance

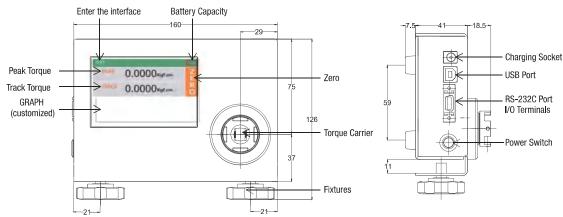
Model Number (mini)	AT-0614V	
Applicable screws	M0.6~1.4mm (fixed rail, not adjustable, need to replace rail)	
Screw length	≤4mm	
Input voltage	AC100-240V DC15V ~1.5A (50/60HZ)	
Output speed	60~75PCS/min	
Dimensions	183mm×102mm×128mm	
Reclaiming port height	115mm (may slightly differ)	
Accessories included	User manual, Power supply, Allen wrench	
Weight	About 6.5kg	

INTELLIGENT DYNAMIC WIRELESS-DATA-UPLOAD HIGH-PRECISION TORQUE TESTER

Accurate to 4 decimal places



- Offer TRACK, PEAK, GRAPH (customized) and other measurement modes
- Can store up to 1000 data values, automatically calculate the maximum, minimum, average value, and count times
- Automatically clear the measured value and peak value
- Automatically memorize the measured value and automatically upload each peak value
- USB, RS-232C, MODBUS protocol available to choose for computer data management
- Can set automatic shutdown time
- Can work on battery power or charging status



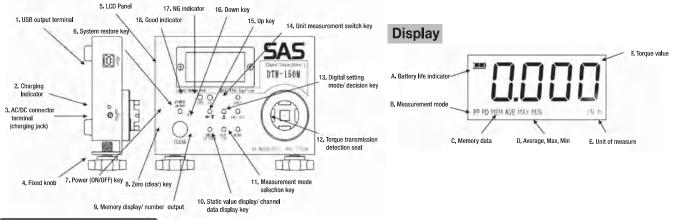
Mod	el Number	APT-02S	APT-10S	APT-20S	APT-50M	APT-100M	APT-300L	APT-500L
	(kgf.cm)	0.0001~2.0000	0.001~10.000	0.002~20.000	0.005~50.000	0.01~100.00	0.03~300.00	0.05~500.00
Torque	(N.m)	0.0001~0.2000	0.0001~1.0000	0.002~2.0000	0.005~5.0000	0.001~10.000	0.003~30.00	0.005~50.000
range	(lbf.in)	0.0001~1.8000	0.001~9.000	0.002~18.000	0.005~45.000	0.01~90.00	0 0.03~27.00	0.05~450.00
Tor	que accuracy			±0.3% (2.0000	kgf.cm or less th	an ±0.005kgf.cm	1)	
	Display			4.2 To	ouch display colo	r screen		
Rota	ational direction			Clock	kwise-Counterc l o	ckwise		
	PEAK			Max.T	orque kept on the	e screen		
Measureme	TRACK			lr	nstantaneous tord	que		
Mode	GRAPH		Disp l	ay the graphics o	of the whole meas	surement result p	rocess	
Upper and L	ower Limit Judgment	Can set the highest and lowest torques measured						
Judg	ment Results	Conclude result(OK,NG) within the set range						
	alue, Min. Value, Value and Times	Display the maximum, minimum, average value and measurement times						
Stor	age Capacity	1000 data						
Ins	stant Output	Real-time automatic output of measurement data						
Aut	o Clear Time	Can be set (1, 2, 3, 5, 10S) to automatically clear the measured value						
Zero	to Clear Key	Manually reset to zero						
D	ata Output	RS-232C, USB, MODBUS protocol						
	Battery	Ni-MH 1.2V*6 rechargeable battery (3000mAh)/ rechargeable more than 500 times						
Charge time /		Within 5 hours / approximately 8 hours of continuous use						
Full Charge Use Time		Tham a hours, approximatory a hours of assumators and						
Charger and USB		AC adapter (input: AC100 \sim 240V (50/60Hz), output: DC9V) USB cable						
Torqu	ıe Carrier Size	12 corners or 20mm ²						
D	imensions	160x126x41mm						
	Weight	1kg						

JAPANESE-MADE HIGH-PRECISION TORQUE TESTER

Accurate to 3 decimal places



- Can store up to 800 data values
- Convenient setting functions such as measurement start value
- ✓ Display measured torque data in real time (About 1/180 seconds)
- Rechargeable battery drive
- Automatic shutoff function can avoid having to shut off manually
- USB output function can use with a computer to manage data
- Zero adjustment function
- Automatically clear displayed measurement value
- ✓ SAS authorizes CEDAR of Japan to conduct high-precision 3 digit decimal tests



Product Spec	Jiiications					
Model	Number	DTM-150M	DTM-15M			
		1.0~150.0 kgf-cm	0.040~15.00 kgf-cm			
Torque	e Range	0.10~15.0 N-m	4.0~1500 mN-m			
		1.0~135.0 lbf-in	0.040~13.50 lbf-in			
Acc	uracy	\pm 0.5% (19.9kgf.cm $< \pm 0.1$ kfg.cm)	\pm 0.5% (1.200kgf.cm < \pm 0.006kgf.cm)			
		LCD3.5 digital display	LCD3.5 digital display			
Dis	splay		$0\sim$ 7.998 0.002 increments			
			8.00 \sim 0.01 increments			
Rotationa	al Direction	Clockwise-Counterclock	wise (with side and left)			
	Maximum P-P	Fixed display with the	maximum torque value			
Management Mada	Random Value T-R	When the torque load changes,	the displayed value will change			
Measurement Mode	Spike-Down P-D	Shows the instantaneous torque	load change from spike to drop			
	Instant Data Output C	Every 1/180 second	d output torque load			
Upper and Lower Lir	nit Judgment Function	Can be set to measure the highest and lowest values in the restricted range, can store 5 value sets				
Instan	t Output	Every 1/180second, the load torque value is output via USB				
Judgme	nt Resu l ts	Judgment can be performed within the set range (P-P mode) (confirmed by light or sound notification)				
Max. Value, Min. V	/alue, Average Value	Displays the maximum, minimum and a	verage value (instead of max. 800 data)			
Instan	t Output	The torque load value is output every 1/180	second (possible to change to 1/12second)			
Auto Cl	ear Time	Can be set every .05 between 0.1~3.0 seconds. The display will reset automatically to zero according to the set time.				
Auto G	eai iiiie	If set to 0.0 seconds, it means to reset to zero manually				
Zero to	Clear Key	By pressing the clear key, ze	ero adjustment is completed			
Data I	Memory	Can store 800 measurement	data, 10 values can be stored			
Data	Output	ASCII format (transfer rate 19200)				
Ва	ttery	Ni-cd (wire-coded) 1.2V x5 Rechargeable battery (700mAh) can recharge over 300x				
Auto-S	hutdown	Automatic shutdown a	fter 10 min of non-use			
Charge Time/	Cont. Use Time	Within 3 hours, about 12 hours of	continuous use with a full charge			
Slo	Slot Size □20mm / □9.5mm					
Weight/ [Dimensions	mensions 1kg 155 width x 125 length x 55 height				
		ASJ-50/ASJ-10K Torque Transmitter	ASJ-10K/ ASJ-1.5 Torque Transmitter			
		USB parallel cable *1PC, Driver CD (for windows) *1PC				
Accessori	ies Included	Hex head screwdriver bit 6mm *4PC				
(1 of	f each)	AC (100~240VAC)/DC converter (choose 100VAC American flat plug or 240VAC German national plug)				
		Specia	al case			
		Calibration result, Calibration certi	ificate, Traceable system diagram			

INDUSTRIAL GRADE HIGH-PRECISION TORQUE TESTER

- Large torque test range, High accuracy, Complete model
- Clockwise and counter clockwise direction, both tension and tightening torque can be used, no need to replace screwdriver head, can be directly attached to the torque test transmitter. Automatic torque calibration value display.
- ▼ Two torque units kgf.cm/N.m. and measurement mode. PEAK/TRAK/F.PEAK optional modes available
- / which can choose the numerical output method
- Maximum and average torque can be calculated
- Built in output terminal can be connected to a computer for recording torque, editing and calculation.
- Portable and rechargeable design, small size, light weight and easy to use Separated torque tester is exclusively for automation





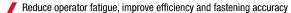
Separated torque tester (applicable platform fastening)

Model N	Number	AP-10	AP-50	AP-100	AP-300	AP-500	
	(kgf.cm)	0.15~10.00	1.0~50.0	1.5~100.0	07~300	08~500	
Torque range	(N.m)	0.015~1.00	0.10~5.00	0.15~10.00	00.7~30.0	00.8~50.0	
range	(lbf.in)	0.15~9.0	1.0~45.0	1.5~90.0	07~270	08~450	
Torque a	accuracy		1	Vithin ±1% range (scale)			
Disp	play			LCD digital display			
Rotational	direction	Both	clockwise and counter c	lockwise directions, tension	on and torque can be test	ed	
	PEAK	Peak mode: Displayed at maximum torque					
Measurement	TRACK	Change value mode: Show value with torque changes					
mode	F.PEAK	Initial peak mode: Display locks when torque reaches initial peak					
Zero-point adjustment		In TRACK mode, press SET ▲ at the same time for 2 seconds to reset the data to zero					
Electrica	al source	5 1.2v Ni-MH rechargeable batteries 1000mA					
Charge	e time	About 6 hours					
Fu ll charge	usage time	8 hours					
Batte	ry life	Rechargeable over 300x					
Charger		Input: AC100~240V, 60/50 Hz Input: DC7.3~8V, 0.5A					
Torque transmission seat size		12corner or 20mm ²					
Dimer	nsions	230×120×60					
Wei	ight	1.8 kg					
Preca	utions	DO NOT continuously test imp	act, semi-automatic and pne	umatic tools; DO NOT test beyo	nd the maximum torque testir	ng range of the torque tester	

SMALL, MEDIUM AND PRACTICAL TORQUE ARMS



TSS-150 TSS-200AS



- Simple assembly, Suitable for various assembly environments
- Rocker are mand bottom plate are mate from aluminum alloy and anodized, good material strength and light weight
- The column is made of stainless steel with high strength and no risk of the coat peeling
- The spring balancer is made of stainless steel, durable and will not rust
- Torque arm has a no gap design, press fit assembly, excellent stability
- The rotating joint has built in double bearings which make it flexible to rotate
- Standard configuration adjustable spring balancer, flexible and light up and down movement
- Lower limit stroke and horizontal 180-degree free rotation of the torque arm can be adjusted freely
- Maximum working radius 350mm



TSS-50S

TSS-50 simple Screwdriver mount			
Medium (R) P4A023			
Large (S)	P4A024		

Accessories [optional]

Screwdriver holders and fixture accessories can be added according to operation and assembly model.

(standard configuration is a wall stop) and desktop fixture clip is optional

Mini mount	Small brushless mount	Medium brushless mount
j		7
ED-0612	P4H125	P4H126

Medium mount Large fixed mount



Table Fixture clip

P4A023 P4A024

Small, Medium a	and practical torque arr	n specifications

· ·						
Model	Fixture type	Applicable model	Operating range	Max. Torque	Max. Load	Weight
TSS-100W/100T	W- wall type T- table type	All models	Up and down 17cm, Horizontal 50cm	50 kgf.cm	1.5kg	1.8kg
TSS-100AT/200AS	Desktop	All models	Up and down 20cm, Horizontal 60cm	50 kgf.cm	1.5kg	4.0kg
TSS-150	Desktop	Mini/Sma ll	Up and down adjustable, Horizontal 30cm	50 kgf.cm	1.5kg	10.0kg
TSS-50R/50S	Desktop	Medium/Large	Up and down adjustable, Horizontal 30cm	150 kgf.cm	1.5kg	8.0kg

Hydraulic cylinder double arm type

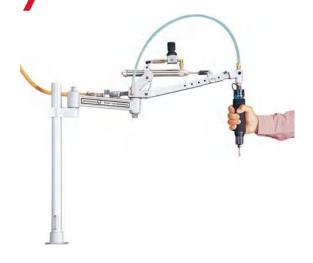


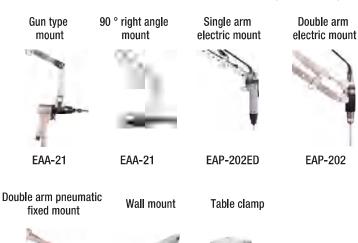
- Suitable for large torque models effectively reducing the reactive force of fastening
- Suitable for all series of pneumatic and electric screwdrivers
- Sturdy structure, can withstand high torque fastening and work without operator fatigue
- Hydraulic cylinder is easy to assemble and lightweight, the pneumatic cylinder is suitable for heavy models
- The front part of the single arm can rotate flexibly and the double arm can meet the requirements of horizontal fastening
- / The body is made of anodized aluminum alloy material which is strong and light weight
- At the end of the forearm is an adjustable stretchable structure which greatly improves fastening range
- Two-piece combined forearm can move more freely during the fastening process

Accessories [Optional]

Screwdriver mounts and fixture accessories can be selected according to the operating piece







EA-001

EAA-02

Large Torque are specifications

	Туре	Model Number	Screwdriver type	Operating range	Max. Torque	Max. Load	Weight
e .	Hydraulic	STD-03110-0C	Pneumatic	Up and down 30cm	110 lbs-in	0~3 Lbs	3 . 0kg
arm type	cylinder	STD-03110-0C/E	Electric	Up and down 30cm	110 lbs-in	0~3 Lbs	3 . 0kg
Single a	Pneumatic	STD-15110-AC	Pneumatic	Up and down 30cm	110 lbs-in	0~15 Lbs	3 . 2kg
Sir	cylinder	STD-15110-AC/E	Electric	Up and down 30cm	110 lbs-in	0~15 Lbs	3 . 2kg
type	Hydraulic	PARA-03110-0C	Pneumatic	Horizontal 120cm	110 lbs-in	0~3 Lbs	3 . 5kg
arm ty	cylinder	PARA-03110-0C/E	Electric	Horizontal 120cm	110 lbs-in	0~3 Lbs	3 . 5kg
Double a	Pneumatic	PARA-15110-AC	Pneumatic	Horizontal 120cm	110 lbs-in	0~15 Lbs	3 . 8kg
Do	cylinder	PARA-15110-AC/E	Electric	Horizontal 120cm	110 lbs-in	0~15 Lbs	3 . 8kg

EAP-203

ACCESSORIES

Manual Torque Screwdriver



Torque Range Tolerance scope Model (kgf.cm) (kgf.cm) N m SAS-HT1.5 0.1~1.5 0.01~0.15 0.01 Head outer diameter Length Weight (mm) (g) (mm) Ø 15 109 60

2 in 1 Suction power supply



Combined suction pump

Applicable air suction screwdriver

Suitable for lever start screwdrivers.

Cobalt magnetic rings

convenient to remove screws with high efficiency Suitable for any screwdriver head



Red

Gr

Green

Blue

Yellow





Orange



	RL-30	Max. Torque
	RL-150	Max. Torque
T	Special lock to	improve efficiency.

Industrial Grade 90 ° right angle head

Size	SH1/4	ф 5	ф 4
Inner diameter	7mm	5mm	4mm
Outer Diameter	17.5mm	17.5mm	17.5mm
Thickness	10mm	10mm	10mm

Spring Balancer [SB-1.2、SB-2.0、SB-3.0]



Suspend screwdriver for easy operationSuitable for all screwdrivers

Multifunctional screw sorting tray



Patented design to pick up and sort material in an efficient manner. Screw size; M $1.0\sim$ M 2.4~mm

Screwdriver Holsters



Wall holster P4H067



Z-axis holster P4H071



Large holster Upright type: P4H129 Gun type: P4H130

DC high flexible Anti-interference chord



Not easy to break, very durable Suitable for all screwdrivers

Note: 2m standard length
Different lengths can be customized

Detailed reference on page 25

DC High flexibility chain spring chord



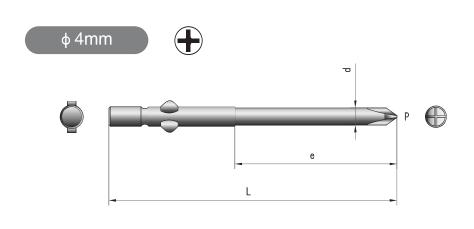
High flexibility and bending resistance. Suitable for automation assembly.

Detailed reference on page 25

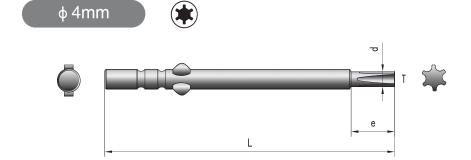


AC Power chord

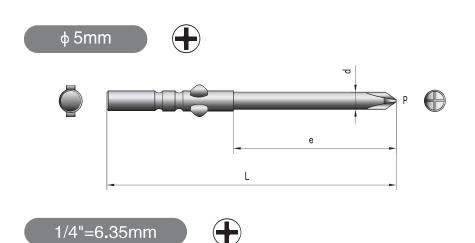
If you need screwdriver bits of different specifications, you can customize the screwdriver bit according to the specifications of the screw.



Model	D×L×d×e×P#
7W1421	φ 4×40× φ 2.0×20×0#
7W1642	φ 4×40× φ 3 . 0×20×1#
7W1742	φ 4×40× × ×1#
7W1762	φ 4×40× × ×2#
P7W199	φ 4×70× φ 1.2×22×000#
P7W098	φ 4×70× φ 1 . 2×22×00#
P7W286	φ 4×70× φ 1.4×20×00#
P7W088	φ 4×70× φ 1.7×30×00#
P7W189	φ 4×70× φ 1.4×20×0#
P7W114	φ 4×70× φ 1.7×22×0#
7W1750	φ 4×80× × ×1#
7W1770	φ 4×80× × ×2#
P7W406	φ 4×80× φ 2.5×20×1#
7W1650	φ 4×80× φ 3 . 0×20×1#
7W1439	φ 4×81× φ 2 . 0×20×0#
7W1459	φ 4×81× φ 2.0×20×1#
P7W089	φ 4×81× φ 2 . 0×40×1#
P7W195	φ 4×80× φ 1.2×20×00#



Model	$D \times L \times d \times e \times T$
P7W229	φ 4×80× φ 1.4×30×T2
P7W231	φ 4×70× φ 1.4×30×T3
P7W226	φ 4×80× φ 2 . 0×30×T4
P7W232	φ 4×80× φ 2 . 0×20×T5
P7W234	φ 4×80× φ 2 . 0×30×T6
P7W235	φ 4×80× φ 2.5×30×T7



Model	D×L×d×e×P#
7W3644	φ 5×50× φ 3.0×20×1#
7W3844	φ 5×50× × ×1#
7W3864	φ 5×50× × ×2#
P7W033	φ 5×60× × ×1#
P7W035	φ 5×75× × ×1#
P7W075	φ 5×80× × ×1#
P7W237	φ 5×80× φ 2 . 0×20×1#
P7W214	φ 5×80× φ 3 . 0×25×1#
P7W036	φ 5×75× × ×2#
P7W076	φ 5×80× × ×2#
7W3770	φ 5×50× φ 4 . 0×55×2#
P7W214 P7W036 P7W076	φ 5×80× φ 3.0×25×1# φ 5×75× × ×2# φ 5×80× × ×2#

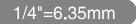
	P
L	-

Model	D×L×d×e×P#
7W6521	SH1/4×25× φ 2.5×12×0#
7W6641	SH1/4×25× φ 3.0×12×1#
7W6204	SH1/4×50× φ 1.7×25×00#
7W6404	SH1/4×50× φ 2.0×25×0#
7W6524	SH1/4×50× φ 2.5×25×0#
7W6644	SH1/4×50× φ 3.0×25×1#
7W6744	SH1/4×50× φ 4.5×25×1#
7W6764	SH1/4×50× φ 4.5×25×2#
7W6924	SH1/4×50× φ 6.0×25×1#
7W6964	SH1/4×50× φ 6.0×25×2#

If you need screwdriver bits of different specifications, you can customize the screwdriver bit according to the specifications of the screw.



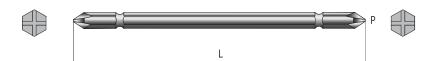
Model	$D \times L \times d \times e \times T$
P7W316	SH1/4×50× φ 4.5×20×T15
P7W317	SH1/4×75× φ 4.5×50×T15
P7W297	SH1/4×150× φ 5.5×50×T15





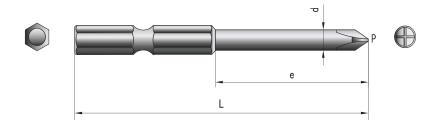
wodei	D×L×u×e×H
7W45061	SH1/4×25× × ×H3
P7W211	SH1/4×50× × ×H5
P7W212	SH1/4×50× × ×H6
7W45147	SH1/4×50× × ×H7





Model	D×L×P#
7W7147	SSH1/4×65×1#
7W7167	SSH1/4×65×2#
7W7169	SSH1/4×75×2#





Model	D×L×d×e×P#
P7W006	SH5×50× × ×2#
P7W403	SH5×60× × ×2#





Model	D×L×P#
P7W073	SSH5×60×2#
P7W045	SSH5×70×2#







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