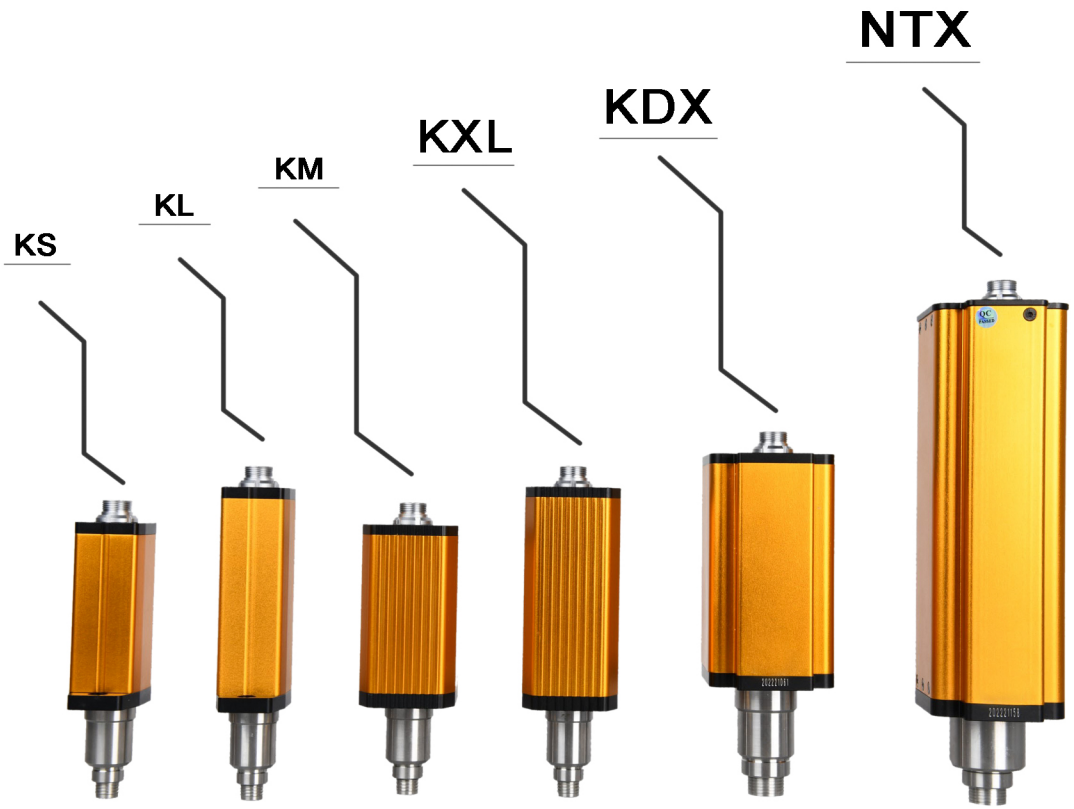
Optimized for robot and custom automation screw fastening



Product features

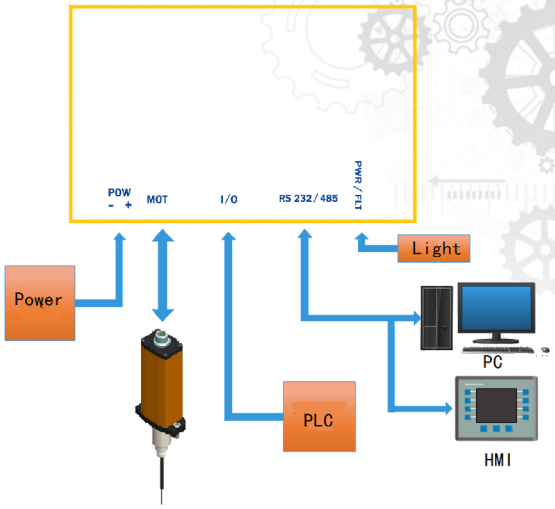
1. Support to communitcate with RS232/485 ModbusRTU.
2. Control tightening torque with high accuracy, Control tolerance within 5%.
3. Screw tightening data could be saved, exported and uploaded to Mes system.
4. It could detect screw broken or screw misaligned.
5. The Sevor motor is stable, long lifetime. The torque is not decrease over lifetime
6. The screw tightening process could be set up to 5 steps to control accuracy.
7. Support 16 screw tightening strategy that suitable for products with different screws type.
8. Support to save data as a graph.

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VECTOR

DigitalTorque & Angle Control SCREW DRIVER





Model	Torque	Speed (r.p.m)	Weight (kg)	Torque accuracy	Voltage
VT-ATS0108KS	0.1-0.8 Kgf.cm 0.01-0.08 N.m	Automatic mode 30-1200 High speed mode 30-1800	0.4	± 5%	DC:24-48
VT-ATS032KL	0.3-2.0 Kgf.cm 0.03-0.2 N.m	Automatic mode 30-1200 High speed mode 30-1800	0.5	± 5%	DC:24-48
VT-ATS032KLZ	0.3-1.8 Kgf.cm 0.03-0.18 N.m	Automatic mode 30-1200 High speed mode 30-1800	0.6	± 5%	DC:24-48
VT-ATS144KM	1.4-4.0 Kgf.cm 0.1-0.4 N.m	Automatic mode 30-1200 High speed mode 30-1200	0.6	± 5%	DC:36-60
VT-ATS258KXL	2.5-8.0 Kgf.cm 0.25-0.8 N.m	Automatic mode 30-1200 High speed mode 30-1800	0.8	± 5%	DC:36-60
VT-ATS623KDX	6.0-23 Kgf.cm 0.6-2.3 N.m	Automatic mode 30-1200 High speed mode 30-1800	1.7	± 5%	DC:80-120 AC:60-80
VT-ATS28NTX	20-80 Kgf.cm 2-8 N.m	Automatic mode 30-600	2.3	± 5%	DC:80-120 AC:60-80
VT-ATS515NTX	50-150 Kgf.cm 5-15 N.m	Automatic mode 30-360	2.3	± 5%	DC:80-120 AC:60-80
VT-ATS618NTX	60-180 Kgf.cm 6-18 N.m	Automatic mode 30-300	2.3	± 5%	DC:80-120 AC:60-80
VT-ATS26NTX	20-60 Kgf.cm 2-6 N.m	Automatic mode 30-900	2.3	± 5%	DC:80-120 AC:60-80
VT-ATS1040NFX	100-400 Kgf.cm 10-40 N.m	Automatic mode 30-150	3.5	± 5%	DC:80-120 AC:60-80
VT-ATS1460NFX	150-600 Kgf.cm 15-60 N.m	Automatic mode 30-80	3.5	± 5%	DC:80-120 AC:60-80
VT-ATS25100NFX	250-1000 Kgf.cm 25-100 N.m	Automatic mode 30-50	3.5	± 5%	DC:80-120 AC:60-80

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VECTOR

Handheld smart screwdriver series



Product features

1.High torque accuracy, the accuracy can reach +3% to +5%.
2.Accurate multi-stage speed control, supports up to 5 steps for pressing, and supports up to 2 steps for pressing loose.
3.The data can be uploaded to the user MES system.
4.The lock state, torque, number of turns, time-consuming and product information can be saved locally in the form of files.
5.Follow Modbus protocol and adopt CRC-16/MODBUS check.
6.The minimum support M0.8 on the tiny screw, the maximum support M 10 screw.
7.Accurate feedback of electric batch torque and number of turns.
8.Customize the operation authority of operators, technicians and administrators.
9.Sound and light alarm prompt, touch screen and PC host computer display abnormal content.

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System Schematic



Operation interface diagram



Smart electric screwdriver touch system
1. Good human-computer interaction interface, simple operations and stable operations;
2. Plug and play, easy to move;
3. Support debugging function, support record saving
4. Support authority management, and manage the authority to set parameters at different levels;
5. Support task chain technology to make task switching easier.

Intelligent Electric screwdriver PC Software
1. The interface is simple, the operation is convenient, and it is seamlessly connected with the electric batch controller, and it is convenient to set various parameters of the electric batch:
2. Display window of electric batch working status information;
3. The software maintains itself according to the policy to prevent the expansion of invalid data;
4. Display and processing of lock and payment records, so that the lock records can be traced, saved, and counted, and can be uploaded to the MES system;
5. Support CPK statistics and analysis to improve the lock and pay yield.

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Parameters Table

Model	Torque range		Speed (r.p.m)		Weight (kg)	Input voltage	Accuracy	Bit type
	Kgf.cm	N.m	Automatic mode	high speed mode				
VT-HS0108KS	0.1-0.8	0.01-0.08	30-1200	30-1800	0.35	220V	± 5%	half moon 4mm
VT-HS032KL	0.3-2	0.03-0.2	30-1200	30-1800	0.35	220V	± 5%	half moon 4mm
VT-HS0215KL	0.2-1.5	0.02-0.15	30-2000		0.25	220V	± 5%	half moon 4mm
VT-HS055KL	0.5-5	0.05-0.5	30-2000		0.25	220V	± 5%	half moon 4mm
VT-HS17KL	1-7	0.1-0.7	30-2000		0.25	220V	± 5%	half moon 4mm
VT-HS158KX	1.5-8	0.15-0.8	30-1000	30-1800	0.45	220V	± 5%	half moon 4mm
VT-HS317KX	3-17	0.3-1.7	30-2000		0.65	220V	± 5%	hex 1/4
VT-HS317KX-W	3-13	0.3-1.3	30-2000		0.81	220V	± 5%	hex 1/4
VT-HS735KX	7-35	0.7-3.5	30-1000		0.65	220V	± 5%	hex 1/4
VT-HS735KX-W	7-28	0.7-2.8	30-1000		0.81	220V	± 5%	hex 1/4
VT-HS0535KX	0.5-3.5	0.05-0.35	30-2000		0.5	220V	± 5%	half moon 4mm
VT-HS525KX	5-25	0.5-2.5	30-1500		0.65	220V	± 5%	hex 1/4
VT-HS525KX-W	5-20	0.5-2.0	30-1500		0.81	220V	± 5%	hex 1/4
VT-HS860KX	8-60	0.8-6.0	30-600		0.65	220V	± 5%	hex 1/4
VT-HS860KX-W	8-48	0.8-4.8	30-600		0.81	220V	± 5%	hex 1/4
VT-HS550KD	5-50	0.5-5.0	30-800		0.9	220V	± 5%	hex 1/4
VT-HS550KD-W	5-40	0.5-4.0	30-800		1.47	220V	± 5%	hex 1/4
VT-HS19ND	10-90	1-9	30-600		0.9	220V	± 5%	hex 1/4
VT-HS19ND-W	10-70	1-7	30-600		1.47	220V	± 5%	hex 1/4
VT-HS528ND	5-28	0.5-2.8	30-1500		1.86	220V	± 5%	hex 1/4
VT-HS528ND-W	5-22	0.5-2.2	15-1500		0.9	220V	± 5%	hex 1/4
VT-HS525ND	50-250	5-25	15-150		2.3	220V	± 5%	W3/8
VT-HS520ND	50-300	5-30	15-120		1	220V	± 5%	W3/8
VT-HS520ND-W	50-250	5-25	15-120		1.8	220V	± 5%	W3/8
VT-HS418ND	40-180	4-18	15-280		1.8	220V	± 5%	hex 1/4
VT-HS418ND-W	40-140	4-14	15-280		1.8	220V	± 5%	W3/8; hex 1/4
VT-HS18NT	10-80	1-8	30-800		1.8	220V	± 5%	hex 1/4
VT-HS212NT	20-120	2-12	30-600		1.8	220V	± 5%	hex 1/4
VT-HS222NT	50-220	2-22	30-300		2	220V	± 5%	W3/8
VT-HS1045NT	100-450	10-45	15-150		2	220V	± 5%	W3/8
VT-HS1050NT	100-500	10-50	15-150		2	220V	± 5%	W3/8
VT-HS1050NT-W	100-500	10-50	15-150		2.5	220V	± 5%	W1/2
VT-HSE110N	10-100	1-10	10-500		6.5	220V	± 3%	
VT-HSE550N	50-500	5-50	10-100		7.6	220V	± 3%	
VT-HSE20200N	200-2000	20-200	10-50		8.7	220V	± 3%	
VT-HSE735KX	7-35	0.7-3.5	30-1000		0.85	220V	± 3%	hex 1/4
VT-HSE860KX	8-60	0.8-6	30-600		0.65	220V	± 3%	hex 1/4
VT-HSE212NT	20-120	2-12	30-300		1.9	220V	± 3%	hex 1/4
VT-HSE1045NT	100-450	10-45	15-150		2	220V	± 3%	W3/8
VT-HSE1050NT	100-550	10-50	15-150		2	220V	± 3%	W3/8

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(*) Hỗ trợ cài đặt trên PC, lưu trữ dữ liệu và kết nối MES.
PC configuration, data storage, and MES integration.

Độ Chính Xác Hoàn Hảo
Perfect Precision

Dòng HSM mang đến giải pháp siết vít công nghiệp 4.0 với bộ điều khiển tích hợp hiển thị thông số và vỏ kim loại siêu bền cho môi trường khắc nghiệt.
The HSM series offers an Industry 4.0 fastening solution with a built-in controller and durable metal housing for harsh environments

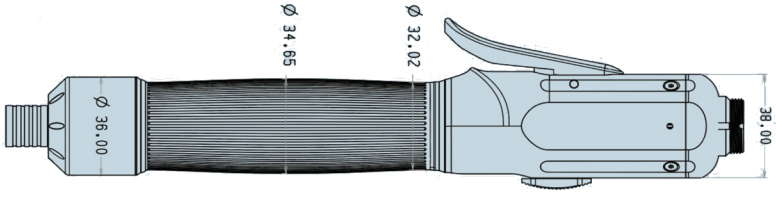
Thiết Kế Vỏ Kim Loại / Full Metal Body Design
Vỏ máy full kim loại bền bỉ, tay cầm công thái học.
Full metal casing, patented ergonomic grip

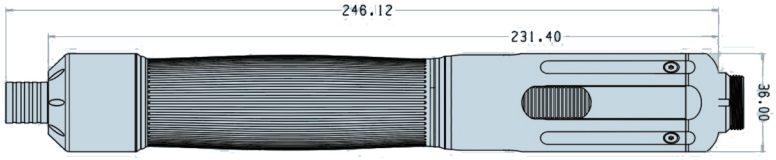
Màn Hình UI Trực Quan / Intuitive UI Display
Hiển thị lực siết, tỷ lệ đạt/lỗi thời gian thực.
Real-time display of torque, pass/fail rate.

Đèn Soi & Cài Đặt Đa Nền Tảng/ Light & Multi-Platform Setup
Đèn chiếu sáng, cảnh báo. Cài đặt trên PC/Controller & upload dữ liệu lên MES.
Illumination, alerts. PC/Controller setup & data upload to MES.

Động Cơ Chính Xác Cao / High-Precision Motor
Thuật toán ổn định lực siết & hiệu suất mạnh.
Stable torque algorithm & strong performance







Thông số kỹ thuật
Specifications

Model	Lực siết Torque (kgf.cm)	Đầu ra Drive (mm/in)	Độ lặp lại Repeatability	Tốc độ Speed (rpm)	KL Wt (kg)	Điện áp Voltage
VT - HSM0575K	0.5 ~ 7.5	6.35 (1/4)	±5%	30 ~ 2000	0.55	DC: 72V
VT - HSM114K	1.0 ~ 14.0	6.35 (1/4)	±5%	30 ~ 2000	0.6	DC: 72V
VT - HSM220K	2.0 ~ 20.0	6.35 (1/4)	±5%	30 ~ 1300	0.6	DC: 72V
VT - HSM535K	5.0 ~ 35.0	6.35 (1/4)	±5%	30 ~ 1000	0.65	DC: 72V

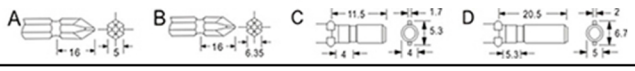
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VECTOR Electric Screwdriver

Innovations screwdriver



- Imported brushless motor, strong performance, high stability and service life
- A perfect combination of push and trigger start dual mode function, with just a small switch to make your use more arbitrary
- Brushless feature is applicable in a clean-room environment. The output of torque is highly stable. It is not only a easy-operate equipment but also be operated continuously for a long period.
- Smaller size, light weight, low noise-pollution, fashionable design, high stability and easy operation motor which gives the benefit of longer working-time.
- Best tool to assemble Watch, laptop, digital Camera, DVD player, Cell phone, communication equipment and high tech products which need to be assembled in clean-room.

Model		SV-N011L	SV-N022L	SV-N033L	SV-N055L
Input Voltage		DC 25V		DC 30V	
Torque range	(Kgf.cm)	0.1 - 1	0.2 - 2	0.3 - 3	0.5 - 5
	(Lbf.in)	0.085 - 0.85	0.17 - 1.7	0.255 - 2.55	0.425 - 4.25
	(N.m)	0.01 - 0.1	0.02 - 0.2	0.03 - 0.3	0.05 - 0.5
Screw Size Dia	Machine Screw	1.0 - 1.7	1.0 - 2.0	1.0 - 1.7	1.0 - 1.7
	Tapping Screw	1.0 - 1.6	1.0 - 1.8	1.0 - 1.5	1.0 - 1.8
Torque accuracy		±3%			
Torque adjustment mode		Stepless			
Start the way		Trigger start			
Free speed (R.P.M)		1000			
Weight		210		280	
Bit Type					

Power supply

Input	Output	Power	Rated current
AC110V-250V	DC 30V	90 W	3A



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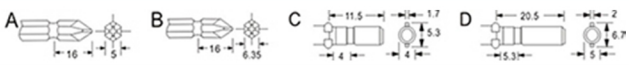
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VECTOR Electric Screwdriver

Innovations screwdriver



- Imported brushless motor, strong performance, high stability and service life
- A perfect combination of push and trigger start dual mode function, with just a small switch to make your use more arbitrary
- Brushless feature is applicable in a clean-room environment. The output of torque is highly stable. It is not only a easy-operate equipment but also be operated continuously for a long period.
- Smaller size, light weight, low noise-pollution, fashionable design, high stability and easy operation motor which gives the benefit of longer working-time.
- Best tool to assemble Watch, laptop, digital Camera, DVD player, Cell phone, communication equipment and high tech products which need to be assembled in clean-room.

Model		SV-N110	SV-N110LF	SV-N317LF	SV-N320	SV-N320LF	SV-N525
Input Voltage		DC 30V					
Torque range	(Kgf.cm)	1-10		3-17	3 - 20		5-25
	(Lbf.in)	0.87-8.68		2.6-14.76	2.64 - 17.6		4.34-21.70
	(N.m)	0.1-0.98		0.29-1.67	0.3 - 2		0.49-2.45
Screw Size Dia	Machine Screw	1.6-3.0		2.3-3.5	2.6 - 4.0		2.6 - 4.0
	Tapping Screw	1.6-2.6		2.2-3.0	2.0 - 3.0		2.0 - 3.0
Torque accuracy		±3%					
Torque adjustment mode		Stepless					
Start the way		Push & trigger	Trigger	Trigger	Push & trigger	Trigger	Push & trigger
Free speed (R.P.M)		1000	1800	2000	1000	1800	1200
Weight		430					
Bit Type							

Power supply

Input	Output	Power	Rated current
AC110V-250V	DC 30V	90 W	3A



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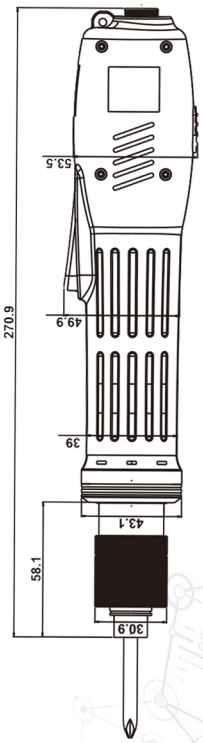
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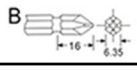
VECTOR Electric Screwdriver

Innovations screwdriver



- o Imported brushless motor, strong performance, high stability and service life
- o A perfect combination of push and trigger start dual mode function, with just a small switch to make your use more arbitrary
- o Brushless feature is applicable in a clean-room environment. The output of torque is highly stable. It is not only a easy-operate equipment but also be operated continuously for a long period.
- o Smaller size, light weight, low noise-pollution, fashionable design, high stability and easy operation motor which gives the benefit of longer working-time.
- o Best tool to assemble Watch, laptop, digital Camera, DVD player, Cell phone, communication equipment and high tech products which need to be assembled in clean-room.



Model		SV-N630L	SV-N1545L
Input Voltage		DC 30V	
Torque range	(Kgf.cm)	6 - 30	15 - 45
	(Lbf.in)	5.21 - 26.04	13.02 - 39.06
	(N.m)	0.59 - 2.94	1.47 - 4.41
Screw Size Dia	Machine Screw	2.6 - 5.0	
	Tapping Screw	2.0 - 4.2	
Torque accuracy		±3%	
Torque adjustment mode		Stepless	
Start the way		Trigger start	
Free speed (R.P.M)		650	
Weight		616	
Bit Type			

Power supply

Input	Output	Power	Rated current
AC110V-250V	DC 30V	150 W	5A



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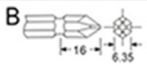
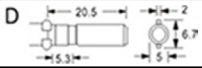
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VECTOR Electric Screwdriver

Push start screwdriver



- Brushless Motor has more stable torque output. It is not only a easy-operate equipment but also be operated continuously for a long period.
- it is a non-carbon, low-noise equipment, and low voltage . It is the fit for operating in clean-room circumstance
- Smaller size, light weight, fashionable design.
- Optional accessories spring balancer hoist or pistol grip can be added for easy and safe operation.
- The tool to assemble Watch, laptop, digital Camera, DVD player, Cell phone, communication equipment and high tech products

Model		SV-N210P/PF	SV-N315P/PF	SV-N420P/PF	SV-N525P
Input Voltage		DC 30V			
Torque range	(Kgf.cm)	2-10	3-15	4-20	5-25
	(Lbf.in)	1.74-8.68	2.6-13	3.47-17.36	4.34-21.7
	(N.m)	0.2-1	0.3-1.5	0.4-2	0.5-2.45
Screw Size Dia	Machine Screw	2.0-3.0	2.3-3.5	2.6-4.0	2.6-5.0
	Tapping Screw	1.6-2.6	2.0-3.0	2.0-3.0	2.6-4.5
Torque accuracy		±3%			
Torque adjustment mode		Stepless			
Start the way		Push start			
Free speed (R.P.M)		1200/1800	1200/1800	1200/1800	1200
Weight		550 g			
Bit Type					

Power supply

Input	Output	Power	Rated current
AC110V-250V	DC 30V	90 W	3A



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VECTOR Electric Screwdriver

Standard count type - hand style



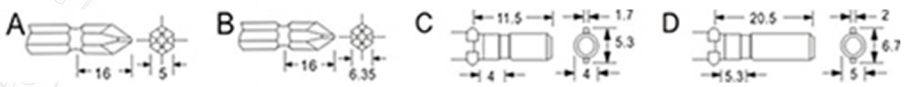
1, Automatic electric srewdriver: When the screw lock to set the torque, the clutch will automatically escape, the motor will automatically power off and timely brake, so electric screwdriver will stop running.

2, With Brushless motor, more stable torque output, suitable for using in dust-free environment, high stability operation, the screwdriver can be used for a long time.

3, The use of non-contact switch, do not need to replace consumables, long service life.

Model	Torque Range		Free Speed (r.p.m)		Input voltage	Weight (g)	Applicable screws
	Kgf.cm	N.m	Hi	LO			
SVC-110L	1-10	0.1-1	1000	500	30V	540	M1.4-M3.0
SVC-110LF	1-10	0.1-1	2000	1300			M1.4-M3.0
SVC-212L	2-12	0.2-1.18	1000	500			M1.6-M3.0
SVC-212LF	2-12	0.2-1.18	2000	1300			M1.6-M3.0
SVC-319L	3-19	0.29-1.86	1000	500			M2.3-M3.5
SVC-319LF	3-19	0.29-1.86	2000	1300			M2.3-M3.5
SVC-525L	5-25	0.25-2.45	1000	650		680	M2.5-M4.0
SVC-523LF	5-23	0.25-2.45	2000	1300			M2.6-M4.5
SVC-1035L	10-35	0.98-3.43	500	350			M2.6-M4.5
SVC-1545L	15-45	1.47-4.41	500	350			M2.6-M5.0
SVC-2050L	20-50	1.96-4.9	1000	650	36V		M3.0-M5.5
SVC-1030LF	10-30	0.98-2.94	2000	1300			M3.5-M6.0

Optional specification of screwdriver bits



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VECTOR Electric Screwdriver

Standard count type - hand style



- Brushless motor, the perfect combination between screw counter and electric screwdriver, and most fit for operating in clean-room environment.
- SVC series is one compact of LED counter and electric screwdriver. Two-color housing, easy to operate, suitably used on production line and effectively control numbers of fastening screws and operation quality.
- Easy to set up, complete function, user can set up this counter according to needs of work and leave system automatically to inspect the precision of fastening screws.
- This system can set up Effective Count Number(SC), Automatic Zero(At), Start Detect Time(Lt), Stop Time(Ht), Double Confirm Time after Fastening(LL), Waiting Time between Two Screws. Professional designs for the needs of users.
- Automatic Learning can complete necessary time from start to fasten, let user confirm whether it is an ideal fastening value.
- Signal output by OK ALL/OK ONE/N.G. in the screwdrivers, open collector. The user can select another wire to connect PLC if necessary.
- If start time doesn't stop as over Ht time, that means stripped or wrong screw ; If start time stops before Lt time, that means screws stuck or wrong. This function can effectively determine whether screw fastening is right or wrong.
- After setting up screws fastening, shut-off can be confirmed just one time during pre-set time.

Model	Torque		Torque Accuracy	Free Speed (r.p.m)		Screw Size Dia		Weight (g)	Length (mm)	Bit Type	Torque Adjustment	Power Supply
	Kgf.cm	N.m		HI	LO	Machine Screw	Tapping Screw					
SVC-T212L	2-12	0.2-1.22	3%	1000	700	2-3.8	2-3.0	540	240	D, B	Stepless	VT-26A-60W
SVC-T212P								510				
SVC-T212LM	2-12	0.2-1.22	3%	1500	1200	2-3.8	2-3.0	540	240	D, B	Stepless	VT-26A-60W
SVC-T212PM								510				
SVC-T212LF	2-10	0.2-1.0	3%	2000	1700	1.9-3.6	1.5-2.9	540	240	D, B	Stepless	VT-26A-60W
SVC-T212PF								510				
SVC-T318L	3-18	0.3-1.83	3%	1000	700	2.3-4.3	1.8-3.3	540	240	D, B	Stepless	VT-26A-60W
SVC-T318P								510				
SVC-T318LM	3-18	0.3-1.83	3%	1500	1200	2.3-4.3	1.8-3.3	540	240	D, B	Stepless	VT-26A-60W
SVC-T318PM								510				
SVC-T318LF	3-17	0.3-1.73	3%	2000	1700	2.2-4.2	1.7-3.2	540	240	D, B	Stepless	VT-26A-60W
SVC-T318PF								510				
SVC-T525L	5-25	0.5-2.55	3%	1000	700	2.8-5.0	2.2-4.0	540	240	D, B	Stepless	VT-26A-60W
SVC-T525P								510				
SVC-T525LM	5-23	0.5-2.35	3%	1500	1200	2.8-5.0	2.2-4.0	540	240	D, B	Stepless	VT-26A-60W
SVC-T525PM								510				

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VECTOR Electric Screwdriver

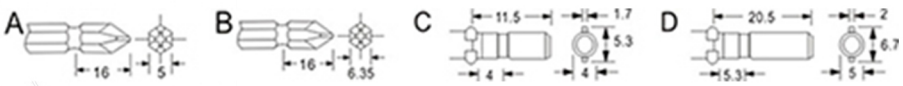
Standard count type - hand style



- Brushless motor, the perfect combination between screw counter and electric screwdriver, and most fit for operating in clean-room environment.
- SVC series is one compact of LED counter and electric screwdriver. Two-color housing, easy to operate, suitably used on production line and effectively control numbers of fastening screws and operation quality.
- Easy to set up, complete function, user can set up this counter according to needs of work and leave system automatically to inspect the precision of fastening screws.
- This system can set up Effective Count Number(SC), Automatic Zero(At), Start Detect Time(Lt), Stop Time(Ht), Double Confirm Time after Fastening(LL), Waiting Time between Two Screws. Professional designs for the needs of users.
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- After setting up screws fastening, shut-off can be confirmed just one time during pre-set time.

Model	Torque		Torque Accuracy	Free Speed (r.p.m)		Screw Size Dia		Weight (g)	Length (mm)	Bit Type	Torque Adjustment	Power Supply
	Kgf.cm	N.m		HI	LO	Machine Screw	Tapping Screw					
SVC-T835L	8-35	0.8-3.58	±3%	1000	700	3.2-5.7	3-6.2	720	270	B	Stepless	VT-26C-120W
SVC-T835P												
SVC-T835LF	10-35	1.0-3.58	±3%	1800	1500	3.2-5.4	2.7-4.5	720	270	B	Stepless	VT-26C-120W
SVC-T835PF												
SVC-T1060L	10-60	1.0-6.12	±3%	1000	700	3.2-6.4	2.7-5.5	720	270	B	Stepless	VT-26C-120W
SVC-T1060P												

Optional specification of screwdriver bits



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VECTOR Electric Screwdriver

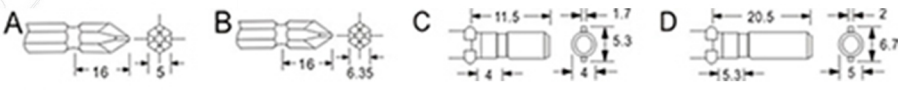
MEDIUM TORQUE DC-TYPE



- Whole series use brushless motor, no carbon pollution, and low noise motor operation. It is the fit for assembling power torque products.
- Assemble large-sized LED/LCD panel and home appliances. Tools can be hanged with spring balancer to lessen work fatigue.
- VT-T series torque range can replace pneumatic screwdriver to avoid unstable torque due to the fluctuation of the air pressure. Also can prevent oil and noise pollution and achieve energy saving and more Eco-friendly.
- VT-T series can be equipped with side handle, or Auxiliary Arm, to increase the torque stability and accuracy
- Suitable for applications such as automotive industrial parts assembly, air conditioning, electricity, telecommunications, large appliances and medical equipment assembly.
- Highly mobility, easy to operate, stable torque, high efficiency. Motor can be free from fatigue under long-working hours

Model	Torque		Torque Accuracy	Free Speed (r.p.m)		Screw Size Dia		Weight (g)	Length (mm)	Bit Type	Torque Adjustment	Standard power Supply
	Kgf.cm	N.m		HI	LO	Machine Screw	Tapping Screw					
SV-T210LF	2-10	0.2-1	± 3%	2000	1700	1.9-3.6	1.5-2.9	540	240	Ø5 H6.35	Stepless	SV-PW60 DC 24/32V 60W
SV-T210PF								510				
SV-T212L	2-12	0.2-1.22	± 3%	1000	700	2-3.8	2-3.0	540	240	Ø5 H6.35	Stepless	SV-PW60 DC 24/32V 60W
SV-T212P								510				
SV-T317LF	3-17	0.3-1.73	± 3%	2000	1700	2.2-4.2	1.7-3.2	540	240	Ø5 H6.35	Stepless	SV-PW60 DC 24/32V 60W
SV-T317PF								510				
SV-T318LM	3-18	0.3-1.83	± 3%	1500	1200	2.3-4.3	1.8-3.3	540	240	Ø5 H6.35	Stepless	SV-PW60 DC 24/32V 60W
SV-T318PM								510				
SV-T523LM	5-23	0.5-2.35	± 3%	1500	1200	2.8-5.0	2.2-4.0	540	240	Ø5 H6.35	Stepless	SV-PW60 DC 24/32V 60W
SV-T523PM								510				
SV-T525L	5-25	0.5-2.55	± 3%	1000	700	2.8-5.0	2.2-4.0	540	240	Ø5 H6.35	Stepless	SV-PW60 DC 24/32V 60W
SV-T525P								510				

Optional specification of screwdriver bits



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VECTOR Electric Screwdriver

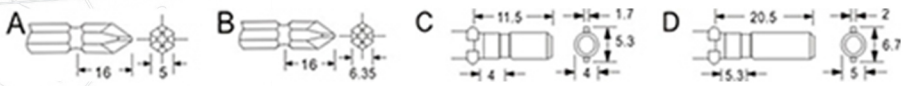
POWER TORQUE DC-TYPE



- Whole series use brushless motor, no carbon pollution, and low noise motor operation. It is the fit for assembling power torque products.
- Assemble large-sized LED/LCD panel and home appliances. Tools can be hanged with spring balancer to lessen work fatigue.
- VT-T series torque range can replace pneumatic screwdriver to avoid unstable torque due to the fluctuation of the air pressure. Also can prevent oil and noise pollution and achieve energy saving and more Eco-friendly.
- VT-T series can be equipped with side handle, or Auxiliary Arm, to increase the torque stability and accuracy
- Suitable for applications such as automotive industrial parts assembly, air conditioning, electricity, telecommunications, large appliances and medical equipment assembly.
- Highly mobility, easy to operate, stable torque, high efficiency. Motor can be free from fatigue under long-working hours

Model	Torque		Torque Accuracy	Free Speed (r.p.m)		Screw Size Dia		Weight (g)	Length (mm)	Bit Type	Torque Adjustment	Power Supply
	Kgf.cm	N.m		HI	LO	Machine Screw	Tapping Screw					
SV-T835L	8 - 35	0.82 - 3.58	5%	1000	700	3-6.2	3.2-5.7	720	270	H6.35	Stepless	VT-26C-120W
SV-T835P												
SV-T835LF	10 - 35	1.0 - 3.58	5%	1800	1500	3.2-5.4	2.7-4.5	720	270	H6.35	Stepless	VT-26C-120W
SV-T835PF												
SV-T1060L	10 - 60	1.0 - 6.12	5%	1000	700	3.2-6.4	2.7-5-5	720	270	H6.35	Stepless	VT-26C-120W
SV-T1060P												
SV-T2010L	19.6 - 98	2 - 10	5%	800	600	4.5-7.2	3.5-6.2	1175	310	H6.35	Stepless	SV-P300W
SV-T2018L	19.6 - 175.5	2 - 18	5%	350	250	4.5-9.3	3.5-7.2	1175	310	H6.35	Stepless	SV-P300W
SV-T3525L	35 - 250	3.5 - 25	5%	350	250	5.0-10.2	3.3-7.8	1175	310	H6.35	Stepless	SV-P300W

Optional specification of screwdriver bits



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VECTOR Electric Screwdriver

Power Torque



- ◆ Adopting the high function of innovation and brushless feature. Durable and permanent life-time. Motor maintenance is unnecessary.
- ◆ Highly mobility, easy to operate, stable torque, high efficiency. Motor can be free from fatigue under long-working hours
- ◆ Suitable for applications such as automotive industrial parts assembly,
air conditioning, electricity, telecommunications, large appliances and medical equipment assembly.
- ◆ Low vibration, low noise, low electromagnectic interference, comply with anvironmental requirements

Model		SV-N100	SV-N150
Input voltage		DC 30V	
Torque range	(Kgf.cm)	40-100	60-150
	(Lbf.in)	34.72-86.8	52.08-130.19
	(N.m)	3.9-9.8	5.9-14.7
Screw size dia		M5~M8	M6~M10
Torque accuracy		±3%	
Torque adjustment mode		Stepless	
Start the way		Trigger start	
Free speed (R.P.M)		600	350
Weight		1.53/3Kg	1.57/3Kg
No load current		0.8 A	
Bit type		H6.35	



Power supply

Rated power	210W
Input voltage	AC100-240V
Output voltage	DC 30V
Output current	7A

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VECTOR

Auto shut-off pneumatic screwdriver

Pistol type



Model	Torque (Kgf.cm)	Torque Accuracy (%)	Free Speed (r.p.m)	Screw Size Dia		Weight (g)	Length (mm)	Bit Type	Air pressure (Kg/cm2)	Minimum pipe diameter (mm)	Air consumption (m3/min)
				Machine Screw	Tapping Screw						
SVA-P545L/P	5-45	±3	1700	M2.8-M5.8	M2.2-M4.7	1200	235	6.35	6.0	8.0	0.55
SVA-P765L/P	7-65	±3	1000	M2.9-M6.4	M2.6-M5.4	1200	235	6.35	6.0	8.0	0.55
SVA-P1595L/P	15-95	±3	550	M4.1-M7.0	M3.1-M6.0	1200	235	6.35	6.0	8.0	0.55
SVA-P30180L/P	30-180	±3	300	M5.1-M9.3	M4.0-M7.2	1200	235	6.35	6.0	8.0	0.55
SVA-P50250L/P	50-250	±3	250	M6.0-M11	M4.9-M8.7	1200	235	6.35	6.0	8.0	0.55

Right type





Model	Torque (Kgf.cm)	Torque Accuracy (%)	Free Speed (r.p.m)	Screw Size Dia		Weight (g)	Length (mm)	Bit Type	Air pressure (Kg/cm2)	Minimum pipe diameter (mm)	Air consumption (m3/min)
				Machine Screw	Tapping Screw						
SVA-052L/P	0.5-2	±3	1000	M1.0-M2.2	M1.1-M1.7	480	180	6.35	6.0	5.0	0.2
SVA-18L/P	1-8	±3	1000	M1.7-M3.3	M1.3-M2.7	480	180	6.35	6.0	5.0	0.2
SVA-325L/P	3-25	±3	1800	M2.2-M4.7	M1.7-M3.8	480	180	6.35	6.0	5.0	0.28
SVA-545L/P	5-45	±3	1700	M2.8-M5.8	M2.2-M4.7	790	215	6.35	6.0	8.0	0.55
SVA-765L/P	7-65	±3	1000	M2.9-M6.4	M2,6-M5.4	790	215	6.35	6.0	8.0	0.55
SVA-1595L/P	15-95	±3	550	M4.1-M7.0	M3.1-M6.0	790	215	6.35	6.0	8.0	0.55
SVA-30180L/P	30-180	±3	300	M5.1-M9.3	M4.0-M7.2	810	215	6.35	6.0	8.0	0.55
SVA-50250L/P	50-250	±3	250	M6.0-M11	M4.9-M8.7	810	215	6.35	6.0	8.0	0.55

VECTOR VINA TECHNICAL EQUIPMENT COMPANY LIMITED

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VECTOR

Auto shut-off pneumatic screwdriver

L type



Model	Torque (Kgf.cm)	Torque Accuracy (%)	Free Speed (r.p.m)	Screw Size Dia		Weight (g)	Length (mm)	Bit Type	Air pressure (Kg/cm2)	Minimum pipe diameter (mm)	Air consumption (m3/min)
				Machine Screw	Tapping Screw						
SVA-L052B	0.5-2	±3	1000	M1.0-M2.2	M1.1-M1.7	490	210	6.35	6.0	5.0	0.2
SVA-L18B	1-8	±3	1000	M1.7-M3.3	M1.3-M2.7	660	270	6.35	6.0	5.0	0.2
SVA-L325B	3-25	±3	1800	M2.2-M4.7	M1.7-M3.8	660	270	6.35	6.0	5.0	0.28
SVA-L545B	5-45	±3	1700	M2.8-M5.8	M2.2-M4.7	1200	235	6.35	6.0	8.0	0.55
SVA-L765B	7-65	±3	1000	M2.9-M6.4	M2,6-M5.4	1200	235	6.35	6.0	8.0	0.55
SVA-L1595B	15-95	±3	550	M4.1-M7.0	M3.1-M6.0	1200	235	6.35	6.0	8.0	0.55
SVA-L30180B	30-180	±3	300	M5.1-M9.3	M4.0-M7.2	1200	235	6.35	6.0	8.0	0.55
SVA-L50250B	50-250	±3	250	M6.0-M11	M4.9-M8.7	1200	235	6.35	6.0	8.0	0.55

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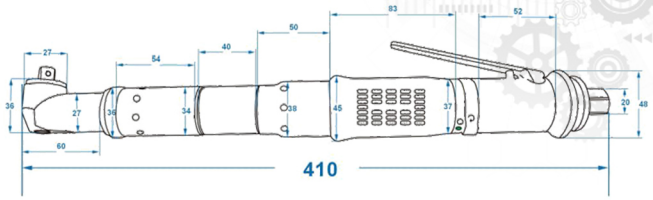
VECTOR

Auto shut-off pneumatic high torque wrench

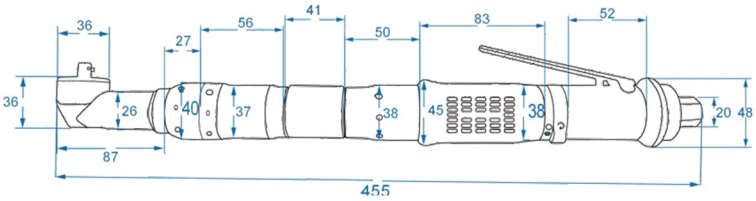


External dimension

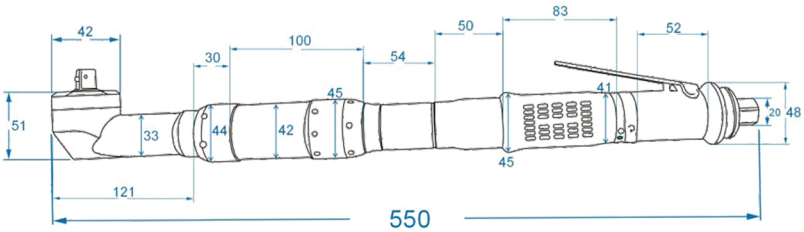
SVA-H1532-9.5



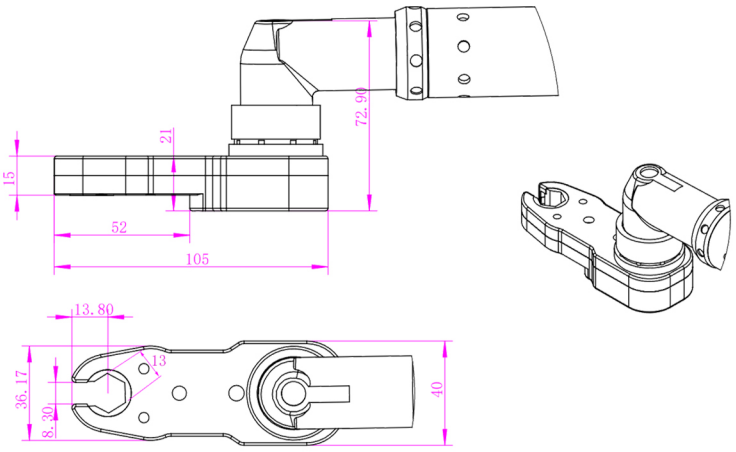
SVA-H2050-9.5



SVA-H3580-12.7



Wrench adapter dimensions





(Wrench head can be customized as customer's requirement)

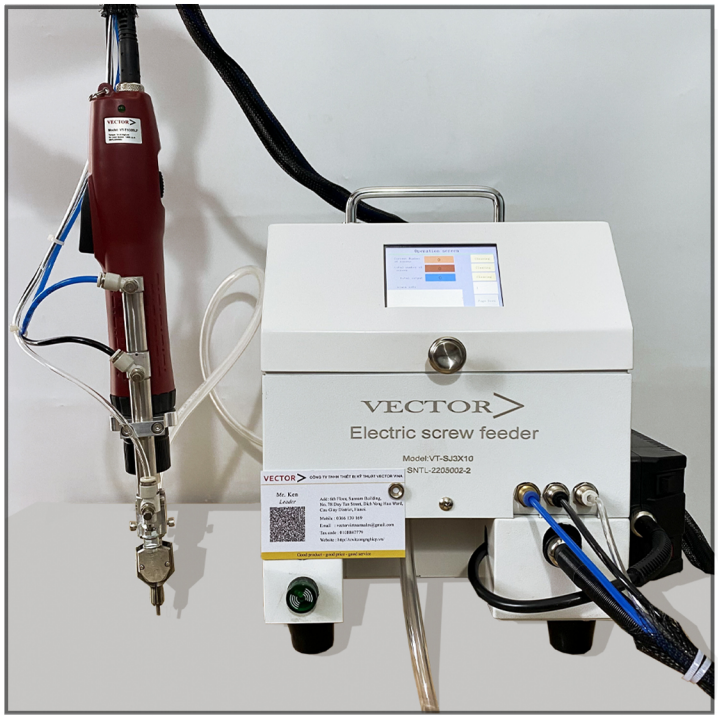
specifications

Model	Torque (N.m)	Square drive (inch)	Free Speed (r.p.m)	Air consumtion (l/s)	Sound pressure (dBA)	Working pressure (bar)	Recommended hose size (mm)	Air inlet thread (inch)	Length (mm)	Weight (kg)
SVA-H1532-9.5	15 - 32	3/8	480	115	76	7	10	1/4	410	1.7
SVA-H2050-9.5	20 - 50	3/8	280	165	82	7	10	1/4	455	2.0
SVA-H3580-12.7	35 - 80	1/2	180	165	82	7	10	1/4	550	2.8

VECTOR VINA TECHNICAL EQUIPMENT COMPANY LIMITED

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VECTOR Handhelp auto screw feeder machine



Specification	
Voltage	220 v 50/60 HZ
Out put	100 W
Air Pressure	5.5 kg / cm² / 85PSI
L / W / H	48/30/28
Weight	15 kg
Capacity	0.5-1 s/pc
Torque	Refer to screwdriver capacity
Volume	M3x10 3000 pcs
Driver Option	Vector Brand
Delivery method	Blowing type
Delivery distance	1-4 meters
Screw dia	Be customized as customer requirement
Be customized as customer requirement	



Magnetic screw



Non-magnetic screw

VECTOR's handhelp auto screwfeeder machine with Lever-Activating screwdriver is mainly used in screw tightening stages. For example: manufacturing sockets, manufacturing toys, manufacturing printers, computers, LED lights...

- Uses a push-pull cylinder mechanism. Includes: push-pull cylinder head, vector brushless electric screwdriver, screw feeding system, special screw clamp.
- Convenient to use, continuous screw feeding, thread detection, fixed tightening force, automatic fault detection, simple operation, user-friendly. Saving workers' operations, thereby improving labor productivity and output.
-And, its automation version also can provide relevant signals and receive control signal for communicate with major control system.

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VECTOR Robot type Automatic Screw Feeder

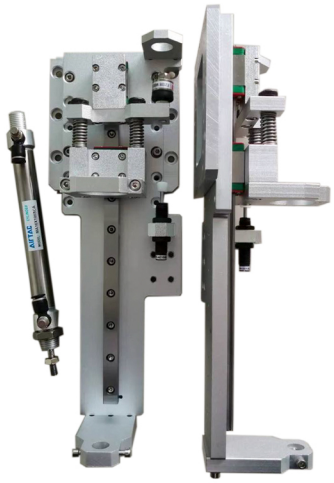


Specification	
Voltage	220 v 50/60 HZ
Out put	100 W
Air Pressure	6 Kg/cm² / 85,3 PSI
L / W / H	48/30/28
Weight	15 kg
Capacity	0.5-1 s/pc
Volume	M3x10 3000 pcs
Delivery method	Blowing type
Delivery distance	1-4 meters
Screw dia	Be customized as customer requirement
I/O signal	Ready to tightening signal, Require screw to feed signal, Lack of screw signal.
Be customized as customer requirement	

Accessories



Nozzle



Spindle

(Be customized as customer requirement)

Automatic Screw Feeder - Robot type includes Automatic Screw feeder + Spindle+ Nozzle.
Automatic Screw Feeder -Robot type is designed to combine with XYZ table: for speed, stability and convenience. And, improving screw driving speed and work efficiency by integrating pneumatic / electrical screwdriver / servo nut runner, high-tech automatic feeder and high precision jaw. The jaw is customized by particular screw and working environment to provide a stable operation.
The nozzles can customize according to customer requirements

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VECTOR

Screw feeder

Performance of VS-813-S Vibratory Bowl Screw Feeder:

1. Does not apply the principle of railway operation, suitable for small screws, limit screw jam.
2. The machine has a small size to save space, the feeding and adding of materials can be operated independently.
3. Applicability of special screw types.
4. Small noise.
5. Convenient screw collection location

Smart, precise and adjustable counter program.







Model	VS-813-S
Applicable Screw	M0.5 - M3.0
Applicable Screw Length	≤ 10 mm
Capacity	60~180PCS/min
Power Source	AC 220V
I/O signal	Ready signal
Size	160*135*110 mm
Accessores	Allen Wrench, Switching Adaptor, Instruction Manual
Weight	2.9 Kg

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VECTOR

Screw feeder



Features

WIDEST RANGE OF APPLICABLE SCREW SIZES :
Between 1.2-2.0mm (1.2mm, 1.4mm, 1.6mm,2.0mm)
4 sizes.

MAX OF SCREWS LENGTH & HOPPER CAPACITY:
Screw Length : Up to 8mm (under screw head)
Capacity of hopper : 4000pcs for M1.4X4.

APPLICABILITY OF SPECIAL SCREW TYPES :
Screw Length : Thread Diameter (1 = 1 , 1 < 1)
Thickness of screw head 0.2mm.
No jamming or failure occurred with these applicable types and affect productivity.

BRUSHLESS MOTOR :
Adopting durable made in Japan brushless motor.

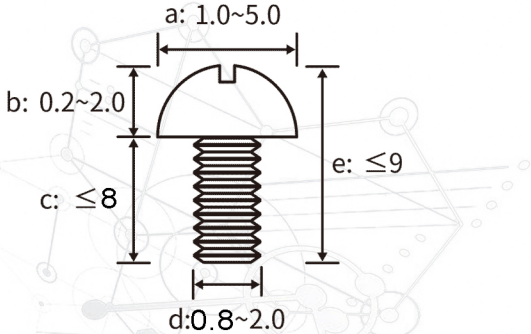
ADJUSTABLE RAILWAY :
High precision wire cut adjustable railway. Adjustable rail, screw size from 0.8mm up to 2.0mm.

CIRCULAR LOOP FEEDING :
Circular loop feeding , adopting durable aluminum extruded rail.
Screws are carried on a circular track for smooth feeding.

ADOPTING MULTI - FUNCTIONAL :
Adopting multi - functional smart PCB with material shortage alert and screw taking counting function in digital display.(Please contact our service center for detail information.)

SIGNAL OUTPUT FUNCTION :
With screws in position signal output function

Applicable screw size



Prompt delivery and steady screw feeding are the important factors of a screw feeder. We have collected feedbacks from all brands users for their opinions to develop this screw feeder. We integrated our advantages with other brands and eliminated detriments that occurred on other brands. As the result, win situation is provided to both our distributors and customers. Please read operation manual before operating in order to achieve the max value of the screw feeder.

Other functions

PCB designed with short circuit and over load protection. Screw feeder and PCB grounding connection is also available. Power On / Off buzzer alert and blinking LED indicator .

Specifications

Model	VSF-0820(A/H)
Size	160Lx82Wx112H (mm)
Weight	1.53kg (w/o adapter)
Power Source	AC 100-240V
Switching Adapter	DC 12V 2.0A
Applicable Screw	From M0.8~M2.0
Applicable Screw Length	≤ 8mm
Horizontal Delivery Speed	42-90 pcs/min
Chamber Freeding	Chamber Blanking
Scooping Chamber Capacity	80 cc (4000 pcs x M1.4x4)

VECTOR VINA TECHNICAL EQUIPMENT COMPANY LIMITED
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VECTOR > Screw feeder



Features

WIDEST RANGE OF APPLICABLE SCREW SIZES :
Between 1.2~5.0mm (Incl : 1.2mm, 1.4mm, 1.7mm, 2.0mm, 2.3mm, 2.6mm, 3.0mm, 3.5mm, 4.0mm, 5.0mm) 10 sizes..

APPLICABILITY OF SPECIAL SCREW TYPES :
Screw Length : Thread Diameter (1 = 1 , 1 < 1)
Thickness of screw head 0.2mm.
No jamming or failure occurred with these applicable types and affect productivity.

BRUSHLESS MOTOR :
Adopting durable made in Japan brushless motor.

ADJUSTABLE RAILWAY :
High precision wire cut adjustable railway. Adjustable rail, screw size from 0.8mm up to 5.0mm.

HORIZONTAL LINEAR FEEDING :
Horizontal linear feeding, adopting durable aluminum extruded rail. Screws are carried on a horizontal track for smooth feeding.

ADOPTING MULTI - FUNCTIONAL :
Adopting multi - functional smart PCB with material shortage alert and screw taking counting function in digital display.(Please contact our service center for detail information.)

SIGNAL OUTPUT FUNCTION :
With screws in position signal output function

Prompt delivery and steady screw feeding are the important factors of a screw feeder. We have collected feedbacks from all brands users for their opinions to develop this screw feeder. We integrated our advantages with other brands and eliminated detriments that occurred on other brands. As the result, win situation is provided to both our distributors and customers. Please read operation manual before operating in order to achieve the max value of the screw feeder.

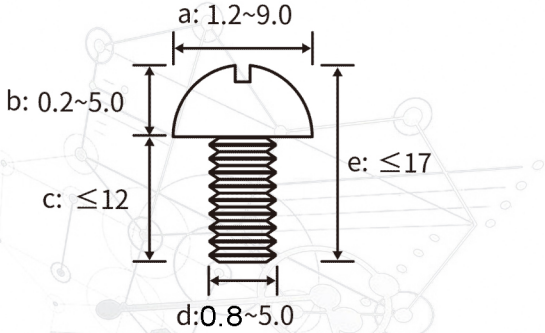
Other functions

PCB designed with short circuit and over load protection. Screw feeder and PCB grounding connection is also available. Power On / Off buzzer alert and blinking LED indicator .

Specifications

Model	VSF-0850(A/H)
Size	182Lx124Wx150H (mm)
Weight	3.1 kg (w/o adapter)
Power Source	AC 100-240V
Switching Adapter	DC 12V 2.0A
Applicable Screw	From M0.8~M5.0
Applicable Screw Length	≤ 12mm
Horizontal Delivery Speed	42-90 pcs/min
Chamber Freeding	Chamber Blanking
Scooping Chamber Capacity	220 cc

Applicable screw size



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VECTOR Screw feeder

Performance of VS-620 Changeable Rail Automatic Screw Feeder:

1. Widest range of applicable screw sizes.
2. Max of screw length and hopper capacity.
3. Applicability of special screw types.
4. Size of feeding rial is adjustable.
5. Save parts costs and stock.
6. Adjustable vibration intensity.
7. Humanized multi programming control.







Model	VS-620C
Applicable Screw	M1.0 - M5.0
Applicable Screw Length	Up to 15mm (under head)
Capacity	60~180PCS/min
Power Source	AC 100-240V
I/O signal	Ready signal
Size	203*126*150 mm
Accessores	Allen Wrench, Switching Adaptor, Instruction Manual
Weight	N.W:Appror 2.9 kgs(excluding switching adaptor)

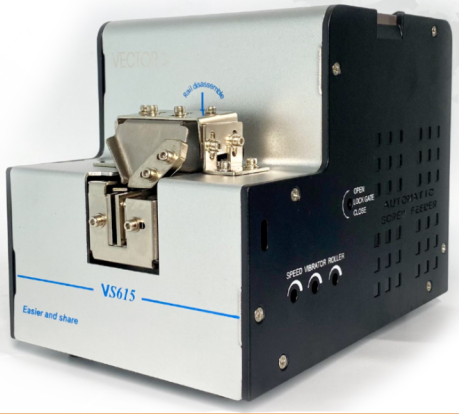
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VECTOR

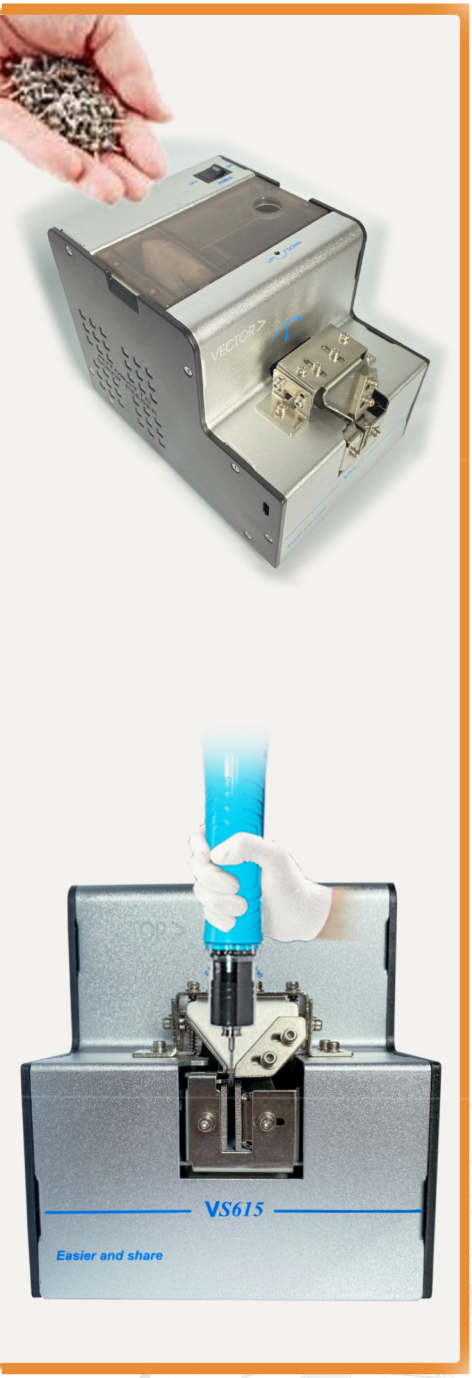
Screw feeder

Performance of VS615 Changeable Rail Automatic Screw Feeder :

1. Widest range of applicable screw sizes.
2. Max of screw length and hopper capacity.
3. Applicability of special screw types.
4. Size of feeding rial is adjustable.
5. Save parts costs and stock.
6. Adjustable vibration intensity.
7. Humanized multi programming control.



VS615



Model	VS615
Size	182(W)*126(L)*147(H) mm
Weight	N.W:Appror2.17kgs(excluding switching adaptor)
Power Source	AC 100-240V
Switching Adaptor	DC 15V Switching Adaptor
Applicable Screw	From M1.0 to M5.0
Applicable Screw Length	UP to 19mm (under head)
Scooping Chamber Capacity	200-220cc
Accessores	Allen Wrench (L SHAPED 2.0*107 mm) *1pc.
	Switching Adaptor *1 set.
	Accessary(front) (0.8,1.0,1.2,1.5,20*70 mm) * 1pc
	Accessary(behind) (0.2*10*20 mm) *2pcs
	(0.5*10*20 mm) *10pcs
	Stopper 2.0-5.0mm *1 pc
	Instruction Manual
Package Size	Each Set/Box: 282(L)* 142(W)*201(H) mm
	Each Carton: 450(L)*310(W)*435(H) mm
Package eight (Including Machine)	Each Set/Box G.W.:Approx 2.63 kgs

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VECTOR

Screw feeder



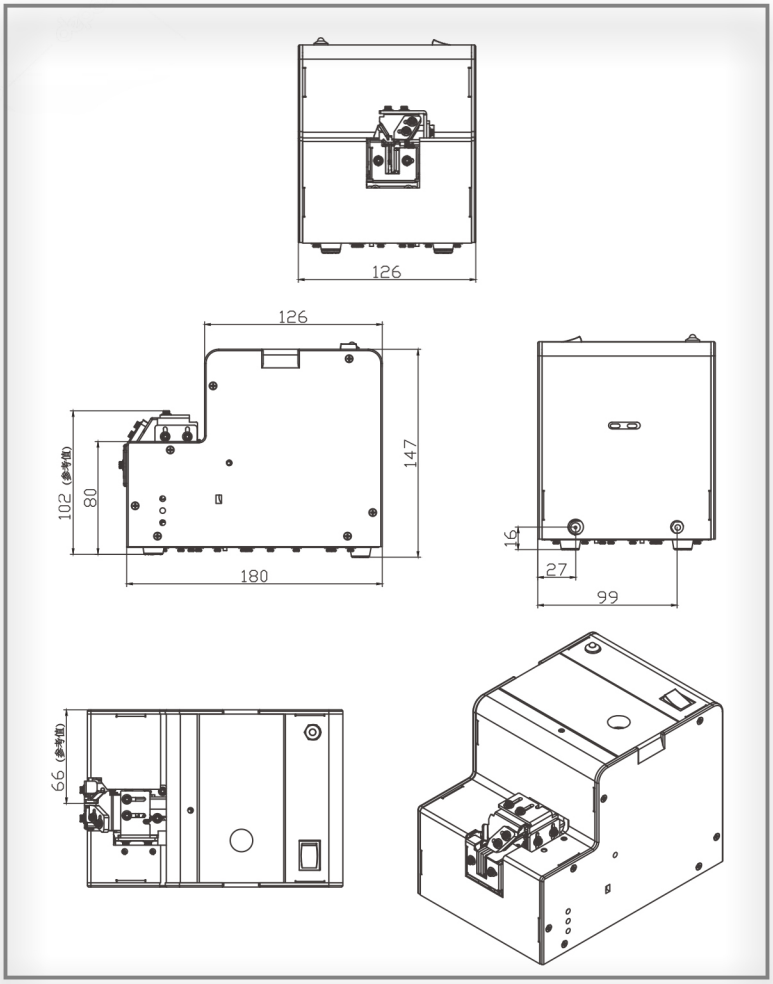
Featues

- Feeding rail can be pulled out for width adjusts to the applied sizes easily. Measurements for width adjusting can be in metric or imperial units.
- With vibration in small amplitude at high strength, it moves screws On rail to pick-up point in good order, no overlay or jamming to affect the speed of movement and productivity.
- Switching Adaptor allowed AC 100~240V power source for stable DC 15V output. No influences and problems due to the different AC power source of factories locations
- Individual drive system for feeding and vibrating operation.
- PCB controls for efficiencies of desired speed & timing on each operating step.
- Equipped ground wire, socket & buzzer for operative safety and alarm signal
- PCB designed with short circuit and over load protection. Screw feeder and PCB grounding connection is also available. Power On/Off buzzer alert and blinking LED indicator.

Specifications

Model name & Numner	VTH-1050
Power Source	AC 100-240V
Switching Adaptor	DC 15V Switching Adaptor
Size	L182*W126*H147
Weight	N.W 3.1 KGS
Scooping Chamber Capacity	200-220cc
PCB Overload Protection	When overload it will anticlockwise, after recovery it will clockwise.
Accessores	Allen Wrench (L SHAPED 2.0*107 mm) *1pc.
	Switching Adaptor *1 set.
	Accessary(front) (0.8,1.0,1.2,1.5,20*70 mm) * 1pc
	Accessary(behind) (0.2*10*20 mm) *2pcs
	0.5*10*20 mm) *10pcs
	Stopper 2.0-5.0mm *1 pc
	Instruction Manual

Appearance size (mm)



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VECTOR Screw feeder

Performance of VTS -1060 Changeable Rail Automatic Screw Feeder :

1. Widest range of applicable screw sizes.
2. Max of screw length and hopper capacity.
3. Applicability of special screw types.
4. Size of feeding rial is adjustable.
5. Save parts costs and stock.
6. Adjustable vibration intensity.
7. Humanized multi programming control.



VTS-1060





Model	VTS-1060
Applicable Screw	M1.0-M6.0
Applicable Screw Length	UP to 20mm (under head)
Scooping Chamber Capacity	450 ml
Power Source	AC 100-240V
Size	244(W)*162(L)*178(H) mm
Weight	N.W:Appror 4.3 kgs(excluding switching adaptor)

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VECTOR Torque meter





Original packaging



In line with computer

- Automatic shutdown (OFF after 10 minutes);
- Can calculate the maximum value of torque, minimum and mean value;
- Torque value display automatically zeroes;
- Automatic deletion of torque value
  (the time required to adjust the automatic reset by switching)
- Use LCD to display test values. Easy to read.
- The torque value can be set and the buzzer can be used to prompt the operator
- When setting tool torque, peak display is retained until reset to ensure accuracy
- It can be tested when the reverse direction is reversed
- Inverse time direction measurement, data show negative;
- The strain gauge is directly attached to the torsion sensor.
  The design of its own shock-proof device is simple
- Can be connected to external data processing control system
- This tester USES rechargeable batteries. Small size. Light weight, easy to carry
- The data output port can be transmitted to the computer for processing

Specification

Model		VTM-5	VTM-10	VTM-50	VTM-100
Measuring Ranges	N.m	0.002-0.5	0.015-1	0.075-5	0.15-10
	Lbf.in	0.02-4.34	0.15-9	0.75-45	1.5-9
	Kgf.cm	0.02-5	0.15-10	0.75-50	1.5-100
Accuracy		± 0.5%			
Power Supply		1.2V NiCd battery 6, 2800 mAh			
Charging Time		From empty -3 hours			
Operation Time		About 18 hours			
Battery Life		Chargeable for 300 time or more. However, it varies depending on operating conditions.			
Size		123 x 230 x 65			
Weight (kg)		1.8			
Exclusive Charger		Input : AC 110V ~ 220V ; Output : DC 7.25V/120 mA			

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