

 **AUTOMATIC FEEDER**
Screw & Rivet



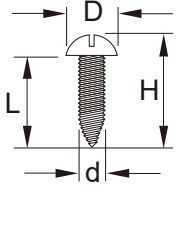
Applicable Screw Dimension Chart

Selection Chart :

Model No.	SF30A	SF30M	SF30T	SF501	SF502	SF501T	SF502T	SAF-100S	SAF-100G	SAF-100R	SDA-200A	SDA-300A	SDA-400A	SDA-500A
M1.5														
M2														
M2.3														
M2.6														
M3														
M4														
M5														
M6														
M7														
M8														

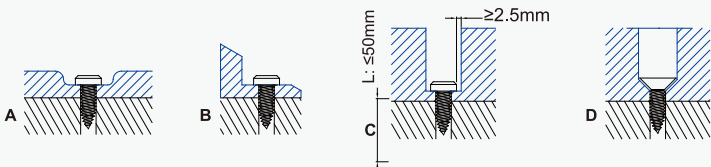
- ★ Listed below are typical screw sizes acceptable for our screw feeders.
- ★ Please follow the check steps.
Step 1: Screw Head Dia. D
Step 2: Screw Length (H) ≥ Min. H
Step 3: Screw Length (H) ≤ L
e.g.: screw size
1. D:5, H: 22 = OK
2. D:5, H: 23 = NO
3. D:5, H:7 = NO

Specifications :


 (Unit: mm)	SF30A, SF30T, SDA Series, SAF-100S(G)(R)			SF501, SF501T, SF502, SF502T		
	Screw Head Dia. (D)	Min.H Dimension (H)	Max.L Dimension (L)	Screw Head Dia. (D)	Min.H Dimension (H)	Max.L Dimension (L)
5	8	22	5	8	30	
6	9	22	6	9	30	
7	10	22	7	10	30	
8	11	22	8	11	30	
9	12	22	9	12	30	
10	13	22	10	13	30	
11	15	22	11	15	30	
12	16	22	12	16	30	
-	-	-	13	18	30	
-	-	-	14	20	30	

- (d):1.5~8 mm
- (L) should be 2~3mm longer than (D).
- The depth of hole on working piece under no obstacle about less than 5mm is available with standard screw feeder.
- The max. depth of hole on working piece: 45-50mm
 - ★ When dimension of hole is bigger but less than 0.5mm than dimension of screw head, should process related parts, like adapter, Y pipe, pipe cover...etc.
 - ★ When dimension of hole is bigger and more than 2.5mm than dimension of screw head, should process related parts, like adapter, Y pipe, pipe cover and add L shape jig...etc.
 - ★ The dimension of hole is bigger between 0.5mm~2.5mm than dimension of screw head will be not suitable for screw feeder basically, but can be discussed case by case.

Fastening Environment :



Applicable Screw Type :

Philips	Pozi	Torx	Slot	Hex Socket
				
Standard	The screwdriver head must be customized			

- Optional Mechanism :
- Special clamp for screwing under-sized screws.
 - Whole custom-made machine set for over-sized screws.

Application Synopsis :

Suitable Air Screwdriver / Screw Feeder	SF30A / SF501 / SF502	SF30T / SF501T / SF502T	SF30M	SDA series	SAF-100	
Transducerized (Torque & Angle Control Type)	Screwdriver	SMT-A10SI / A24SIH / A30SI	SMT-A10SI / A24SIH / A30SI	SMT-A10SI / A24SIH / A30SI	SMT-A10SI / A24SIH / A30SI	SMT-A10SI / A24SIH / A30SI
	Controller	SMT-A30I / A50I / A70I	SMT-A30I / SMT-A50I (Max. 4 Nm)	SMT-A30I	SMT-A30I / A50I / A70I	SMT-A30I / A50I/A70I
Transducerized (Torque Control Type)	Screwdriver	SMT-10SI / 30SI	SMT-10SI / 30SI	SMT-10SI / 30SI	SMT-10SI / 30SI	SMT-10SI / 30SI
		SMT-30I / 50I / 70I	SMT-30I, SMT-A50I (Max. 4 Nm)	SMT-30I	SMT-30I / 50I / 70I	SMT-30I / 50I / 70I
		SMT-120I / 180I	-	-	-	SMT-120I / 180I
	Controller	SMT-250I	-	-	-	SMT-250I
Electric Screwdriver	Push Start	★EA-BN2xxP Series	-	-	EA-BN2xxP Series	EA-BN2xxP Series
		★EA-BN4xxP Series	-	-	EA-BN4xxP Series	EA-BN4xxP Series
		★EA-BN6xxP Series	-	-	EA-BN6xxP Series	EA-BN6xxP Series
	Lever Start	EA-BN2xxL Series	EA-BN2xxL Series	EA-BN2L Series	EA-BN2xxL Series	EA-BN2xxL Series
		EA-BN4xxL Series	EA-BN4xxL Series	EA-BN4L Series	EA-BN4xxL Series	EA-BN4xxL Series
		EA-BN6xxL Series	EA-BN6xxL Series	EA-BN6L Series	EA-BN6xxL Series	EA-BN6xxL Series
Signal Controller	Output Signal (start / stop/ reverse)	-	EAA-SCBSN6	EAA-SCBSN6-S	EAA-SCBSN6	EAA-SCBSN6
	Input Signal (start / reverse)	-	-	-	-	-
Air Screwdriver	Push Start	★FP Series	-	-	FP/FL	FP/FL
	Lever Start	FL Series	FL Series	-	-	-
Screw Feeder	-	-	-	SF30F / SF501F	SF30F / SF501F	

REMARK:
"★" means RECOMMEND MODEL ★For SF30M: only can be used with standard speed tool.

Robot-type Automatic Screw Driving Machine

Features:

- ★ Repeated accuracy: +/-0.01mm
- ★ Suitable for various kinds of working range. It is designed in four models, i.e. 200*200, 300*300, 400*400 and 510*510mm.
- ★ It provides 255 groups, or 30,000 points, of working memory modules.
- ★ Different working memory modules can be changed in one minute with control panel, which is suitable for small-quantity diversified production.
- ★ Short supply detection and warning functions are included.
- ★ Thread-slipping detection and warning functions are included.
- ★ Torque reaching detection and warning functions are included (option).
- ★ It can be used to support varied height fastening.
- ★ It can use remote teaching MDI to write programs; or use the computer for online operation.
- ★ Platform maximum loading: 7KG



SDA200A(V) SDA300A(V)
SDA400A(V) SDA500A(V)
 Table Robot-type Automatic Screw Driving Machine



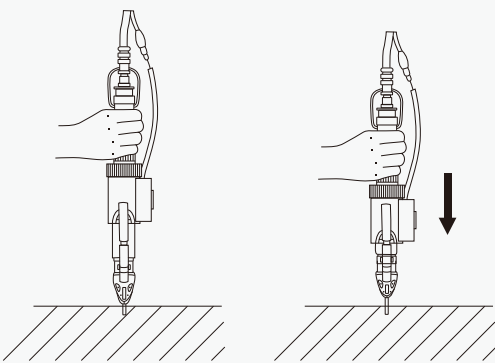
Adaptable Feeder Option:

Model No.	Feeder No.
SDA200A SDA300A SDA400A SDA500A	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>SF30F Automatic Screw Feeder</p> </div> <div style="text-align: center;">  <p>SF501F Automatic Screw Feeder</p> </div> </div>
SDA200V SDA300V SDA400V SDA500V	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>SFR20 Automatic Screw Feeder</p> </div> <div style="text-align: center;">  <p>SFR30 Automatic Screw Feeder</p> </div> <div style="text-align: center;">  <p>SFR50 Automatic Screw Feeder</p> </div> </div>

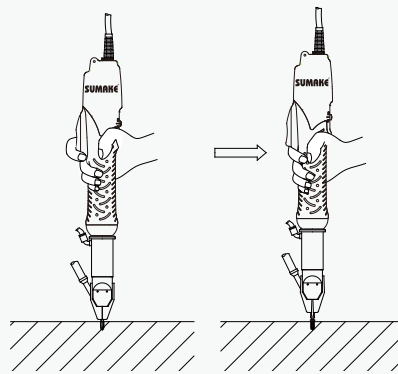
Automatic Screw Feeder

Features: (for SF30A / SF30T)

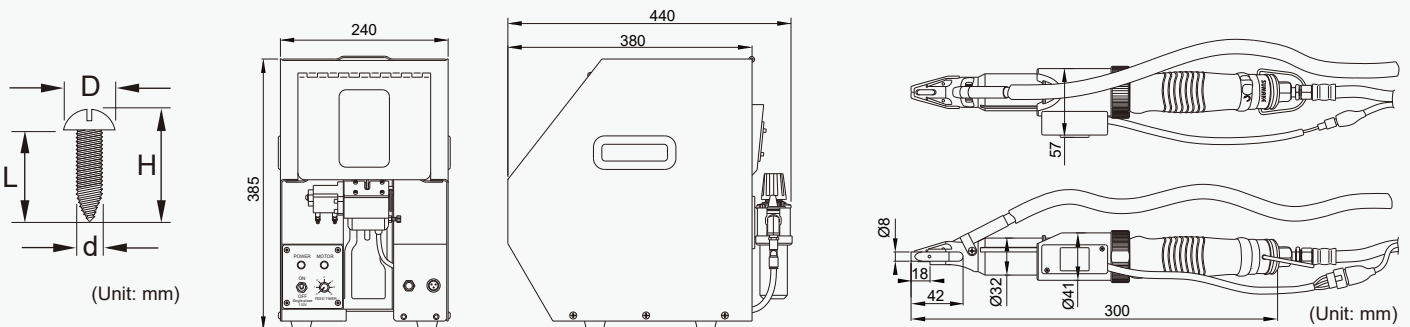
- ★ It is manufactured by fast, stabilized and convenient design principles, which combine with pneumatic/electric screwdriver, Hi-tech
- ★ Auto Feeder and High-precision Screw Jaw to escalate the screw fastening speed in order to significantly enhance the production efficiency.
- ★ The Screw Jaw will be customized according to the customer's screws and work-piece to ensure smooth and stable operation.
- ★ The lever-activating design shall meet the ergonomics and labor-saving requirements. (for SF30T- Lever start)
- ★ Simply press the lever and the Screwdriver will complete the screw fastening automatically. (for SF30T- Lever start)
- ★ The screwdriver head ejects the screw for fastening automatically. It prevents the jaw from contacting the surface of the work-piece; thus it will neither rub the product nor produce stress. (for SF30T- Lever start)
- ★ Automatic feeding to completely save the screw picking and moving action.
- ★ Applicable for 2.5mm~6.0mm screws.
- ★ It provides faster operating speed up to 20~30 pieces of screws per minute.
- ★ The torque-controlled screwdriver is used to improve the fastening quality for the customer.
- ★ Fiber Optic control intellectual-type feeding, saving power while avoiding short supply.
- ★ It is equipped with Spring Balancer to provide load free operation experience.
- ★ You may also select TA-22050B, TA-22070B, SDC-01 to provide a variety of accessory combinations according to the actual work need so as to achieve high-performance fastening quality.



Push Start Type
SF30A



Lever Start Type
SF30T





SF30A (for Push)
Automatic Screw Feeder



SF30T (for Lever)
Automatic Screw Feeder



SF30A-N-T
Automatic Screw Feeder, w/two outlet
(For automatic two screws come out
simultaneously)



SF30M (for Lever)
Automatic Screw Feeder, magnetic force type



Specification:

Model No.	Screw Size	Screw Length (w/o head)	Max Screw Head	Weight(N.W.)	Voltage	Working Pressure
SF30A SF30T SF30A-N-T	M2.3 - M6	8 - 22	5 - 12	22 kg	110 / 220V	5 - 6 bar
SF30M	M2.3 - M6	8 - 22	3.5 - 8	22 kg	110 / 220V	5 - 6 bar

Automatic Screw Feeder

Features:

- ★ Automatic Screw feeding. No more screw picking and moving action.
- ★ It provides faster operating speed up to 40 pieces (SF501) & 60 pieces (SF502) of screws per minute.
- ★ Simple structure and easy maintenance.
- ★ It is equipped with Spring Balancer to provide load free operation experience.
- ★ SF502 is with two escapements for two screwdrivers, can work separately.



SF501 (for Push Type)
SF501T (for Lever Type)



SF502 (for Push Type)
SF502T (for Lever Type)
For two screwdrivers outlets

Specification:

Model No.	Screw Size	Screw Length (mm)	Max Screw Head (mm)	Tolerance	L / W / H (mm)	Weight (kg)	Voltage	Capacity (pcs/min)	Type of Screwdriver	Working Pressure
SF501	M1.5~M8	8~30	14	±0.2	510 x 500 x 395	70	220V	40	Air / Electric	5 - 6 Bar
SF502	M3~M8	8~30	14	±0.2	600 x 535 x 485	90	220V	60 (for two drivers)	Air / Electric	5 - 6 Bar

Automatic Rivet Feeder

Features:

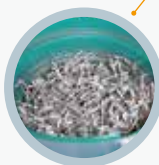
- ★ Automatic rivet feeding. No more rivet picking and moving action.
- ★ It provides faster operation.
- ★ Simple structure and easy maintenance.
- ★ It is equipped with spring balancer to provide load free operation experience.

Durable head assembly set and riveting gun.



Adjustable vibration/linear feeding speed.

NEW



Vibration bowl and laser on linear designed to have stable feeding.



Side handles & Rubber wheels: convenience and move easily by portable designed.



Specification :

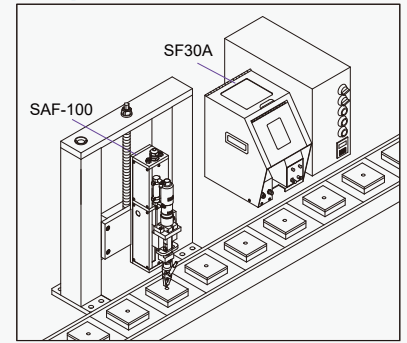
Model No.	Riveting Capacity inch(mm)	Dimension (LxWxH) (mm)	Net Weight (kgs)	Voltage (V/Hz)	Working Pressure
RF501	3/32" (2.4), 1/8" (3.2), 5/32" (4.0), 3/16" (4.8)	425 x 555 x 700	95	220/50 220/60	6 - 7 Bar

Spindle Type Automatic Screw Feeding Module

Features:

- ★ It can be mounted in the fully-automated assembly line.
- ★ Or, it can also integrate with semi-auto assembly station.
- ★ The bit can be easily replaced in 60 seconds.
- ★ It achieves 25-30 screws operation per minute.
- ★ It can be installed vertically, horizontally or at any other angle.
- ★ Torque detection. No signal output before reaching the torque value.
- ★ Fastening end detection included. No signal output before reaching the position.
- ★ Specifically designed and manufactured for automatic production line.

Sample View:



SAF-100S (w/Cylinder)

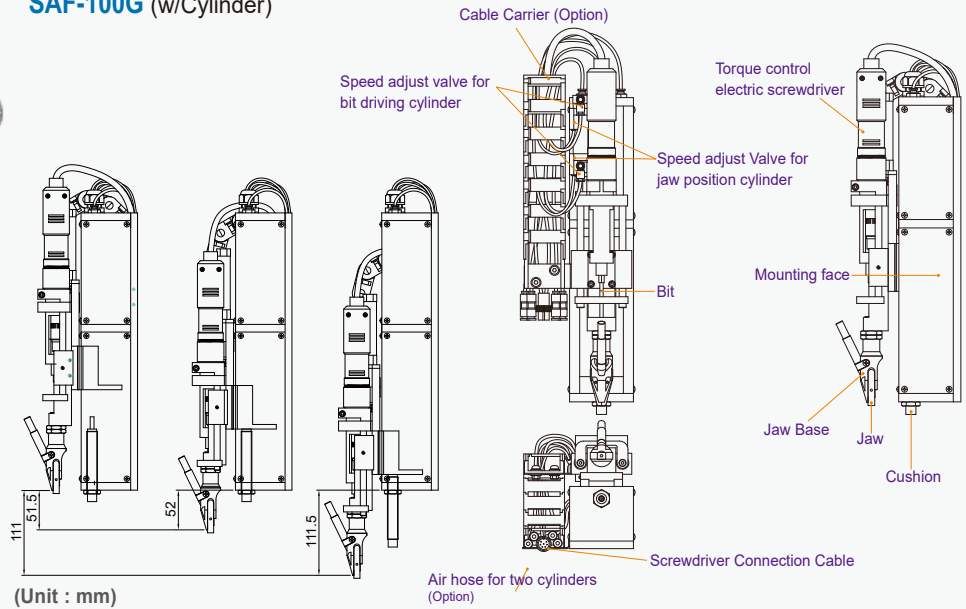
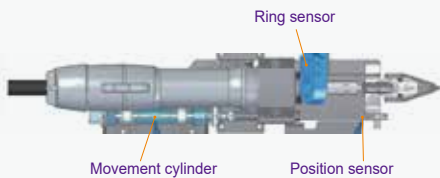


SAF-100G (w/Cylinder)

Model No.		SAF-100S	SAF-100G	SAF-100R
Max. stroke (mm)		93	93	-
Min. stroke		51.5	51.5	-
Screw capacity (mm)		M1.5 ~ M3	M3 ~ M6	M1.5 ~ M6
Air cylinder		V	V	-
For Electric tools	Max. Torque rang (Nm)	3	5	5
	Max. Tool diameter (mm)	30	46	46
For Air tools	Max. Torque rang (Nm)	3	5	5
	Max. Tool diameter (mm)	30	46	46



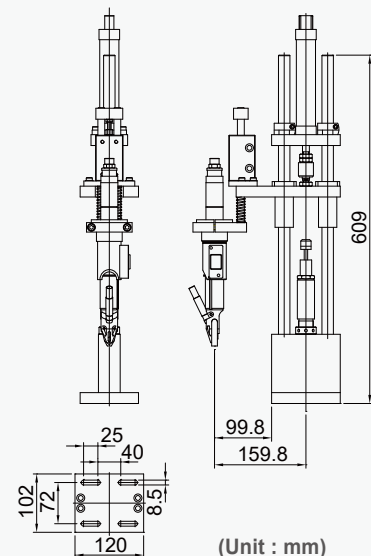
SAF-100R (No Cylinder)



Fasten Stroke Cylinder Equipment



SDC-01





Electric Screwdrivers



Cordless Tools



Industrial Air Screwdriver



Oil Pulse Tool



Transducerized Screwdriver



Torque Reaction Arm



Screwdriver Bits



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