

Assembly Automation automatic screwdrivers are fast, often reducing cycle times by over 60 percent. Screws can be fed in less than one second to the handpiece down a flexible feed tube. This part of the cycle takes place as the screwdriver jaws moves from one screw position to the next.

The unique head configuration of the Assembly Automation nosepiece allows positive extension of the fastener during screwdriving. Narrow pointed jaws provide access impossible with many other systems.

High Production, Low Fatigue

Increased production rates require more emphasis on ergonomic handpieces. Assembly Automation, working with high volume users and conducting studies, has produced tooling which requires virtually no grasping pressure. This is achieved with torque reaction tool holders, bio-flange hand supports and impact absorbing foam-coated handpieces. These features result in a dramatic reduction in operator fatigue.

Also included in the workstation are high quality air and electric torque drivers with automatic shut off clutches. Torque accuracies of + - 3 percent are attainable even with high-speed insertion rates.

Ideal for Automating Products with Short Life Cycles

Concurrent engineering and short product life cycles cannot wait for long lead automation deliveries. Assembly Automation solves the problem with short lead times.

Application specialists work in close cooperation with the end users to solve access and workplace layout problems before delivery. Emphasis is on the complete workstation, not just the screwdriver.

Two Different Models to Choose From

Each application requires a specific feed unit, torque driver and handpiece support system. The SA-1.5 & SA 2.5 may be tooled from size #4 through 1.5-inch long fasteners. Torque from 8 in/oz to over 30 NM is achieved using the highest quality electric or pneumatic nutrunners.

Transducer Control

Where necessary, the screwdriver system may be supplied with transducers and controllers. Statistics to provide SPC data are accessible from the controller.







FEEDER TYPES

DIMENSIONS	MODEL SA-1.5	MODEL SA-2.5
Length	21.5 in.	24.5 in.
Width	12.5 in.	14.5 in.
Height	13.0 in.	14.5 in.
Door Ht. Max	22 in.	25.5 in.
Weight - Lbs.	100 lbs.	250 lbs.
Bowl Size	10 in. Diameter	14 in. Diameter
Bowl Capacity	7.5 lbs.	11.5 lbs.
Max Screw Size	1/4 x 1.5 LG	1/4 x 1.5 LG
Air Supply @ 80PSIG		
(Feeder Only)	8CFM	8CFM
Electrical		
Power - Watts	250	250
Voltage	120 VAC 60 HZ (240 VAC 50 HZ Available)	
Noise Level	Less than 72 OBA	
Feed Tube Length (Effective)	14ft.	14 ft.
0	Note: Up to 30 ft. available	
Compationity	With most Pneumatic and Electric Screwdrivers	

FEATURES

Screw Feed Units From Assembly Automation Industries

The vibratory bowls are coated with a tough polymer lining for long life and fastener protection. Feed units may be used as hand held or fully automatic systems. Feed units have steel sound deadening enclosures and lapped spool high performance valves. All escapements and tracks are hardened and ground tool steel. Hardened inserts are placed in high wear areas of the bowl. Controls are packaged as a 'plug in' module for easy maintenance. The SA-1.5 & SA-2.5 units have top access doors and may be used with bulk feed hoppers. SA-1.5 & SA-2.5 feed systems may be used with diverters to feed multiple spindles from one feed unit. SA-1.5 & SA-2.5 feed systems may be supplied for 50 Hz, 240 volts operation, and declared CE.