

ASSEMBLY SYSTEMS

2022/23

A-50 Screw Presenters

For semi-automated assembly, look no further than AIMCO's Acra-Feed screw presenters

Productive

- One-hand operation eliminates manual handling of screws. Screw is presented to operator for easy magnetic or vacuum pickup
- Keeps workspace clear of dropped fasteners and stray fasteners from getting into assemblies
- Large hopper holds approximately 1,000 - 1,500 fasteners, and the oscillating hopper design provides a quick feed rate – up to two (2) screws per second
- Solid design – no tie downs or straps required
- Perfect for contract or dedicated assembly
- Switch rails in minutes for different screw sizes

Ergonomic

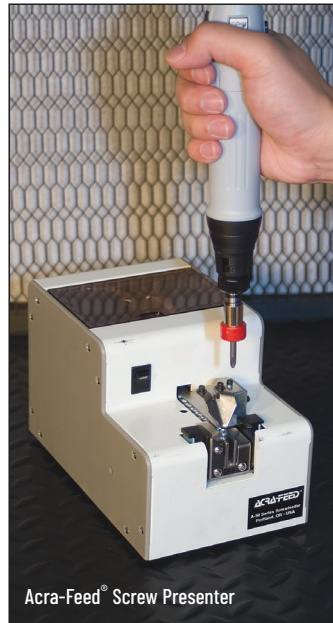
- Allows for fewer arm and hand movements

Reliable

- Heavy duty industrial design
- Modular design for easy repairs

Quality

- Uses existing or our new torque control drivers



ACRA-FEED®

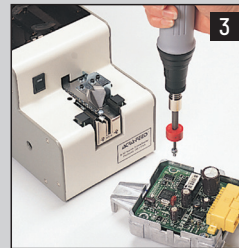
FASTENING IN 3 EASY STEPS



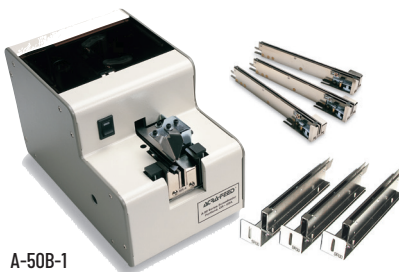
Load screws into the hopper. There is no side to load unit and no gates to limit capacity.



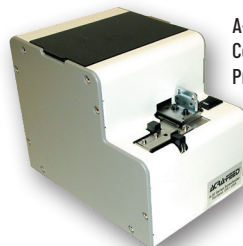
Address screw with magnetized bit.



Bring screw to workpiece and fasten parts.



A-50B-1
Standard Screw Presenter



A-50ARBTC-4
Compact Robotic Screw
Presenter

A-50 Standard Screw Presenters

For manual assembly stations where the operator must otherwise pick up and hold fasteners by hand.

Model	Additional Rail Part No.	Screw Size	Max Screw Length	
			IN	MM
A-50A-0	AR-0	#0	1.4	.39 10
A-50A-1.7	AR-1.7	—	1.7	.39 10
A-50B-1	BR-1	#1	2.0	.75 18
A-50B-2	BR-2	#2	2.3	.75 18
A-50B-3	BR-3	#3	2.6	.75 18
A-50B-4	BR-4	#4	3.0	.75 18
A-50C-6	CR-6	#6	3.5	.75 18
A-50C-8	CR-8	#6-8	4.0	.75 18
A-50C-10	CR-10	#10	5.0	.75 18

Dimensions: 5.1 (W) x 8.5 (L) x 5.3 (H) Weight: 7.0 lb.

Optional Accessories

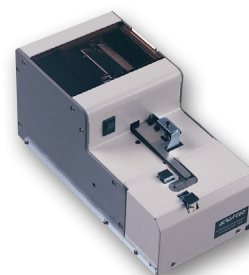
Model	Part No.
Mag-O-Net Bit Magnetizer	AM1/4Z, AM5Z, AM3/16Z, AM5/16Z

A-50ARBTC Compact Robotic Screw Presenters

For automated systems or manual systems using vacuum-assist to pick up nonferrous fasteners when work space is limited.

Model	Additional Rail Part No.	Nominal Screw Size	Max Screw Length	
			IN	MM
A-50ARBTC-0	AR-RBTC-0	#0	1.4	.390 10
A-50ARBTC-1.7	AR-RBTC-1.7	—	1.7	.390 10
A-50BRBTC-1	BR-RBTC-1	#1	2.0	.700 18
A-50BRBTC-2	BR-RBTC-2	#2	2.3	.700 18
A-50BRBTC-3	BR-RBTC-3	#3	2.6	.700 18
A-50BRBTC-4	BR-RBTC-4	#4	3.0	.700 18
A-50CRBTC-6	CR-RBTC-6	#6	3.5	.700 18
A-50CRBTC-8	CR-RBTC-8	#6-8	4.0	.700 18
A-50CRBTC-10	CR-RBTC-10	#10	5.0	.700 18

Dimensions: 7.2 (L) x 4.9 (W) x 5.7 (H) Weight: 6.7 lb.



A-50BRBT-1
Robotic Screw
Presenter

A-50ARBT Robotic Screw Presenters

For automated fastening systems or manual systems using vacuum assist to pick up non-ferrous fasteners.

Model	Additional Rail Part No.	Screw Size	Max Screw Length	
			IN	MM
A-50ARBT-0	AR-RBT-0	#0	1.4	.39 10
A-50ARBT-1.7	AR-RBT-1.7	—	1.7	.39 10
A-50BRBT-1	BR-RBT-1	#1	2.0	.70 18
A-50BRBT-2	BR-RBT-2	#2	2.3	.70 18
A-50BRBT-3	BR-RBT-3	#3	2.6	.70 18
A-50BRBT-4	BR-RBT-4	#4	3.0	.70 18
A-50CRBT-6	CR-RBT-6	#6	3.5	.70 18
A-50CRBT-8	CR-RBT-8	#6-8	4.0	.70 18
A-50CRBT-10	CR-RBT-10	#10	5.0	.70 18

Dimensions: 5.1" (W) x 10.8" (L) x 5.3" (H) Weight: 9.2 lb.

Acra-Feed Automatic Screw Feed Systems

Reduces Cycle Time By Approximately Two Seconds Per Fastener

FEATURES AND BENEFITS

- Delivers fastener directly to the driver
- For #2 – #10 fasteners, up to 1 inch long
- Available for captive washer type screws (A315V)
- Feed speed of up to 1 screw per second
- System includes feeder, hose assembly, air screwdriver, and FRL

Productive

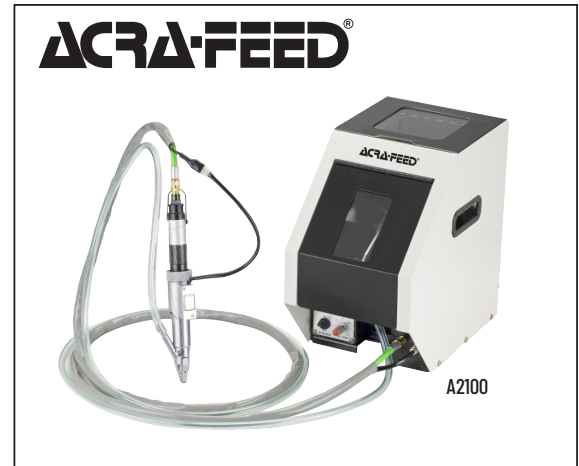
- Eliminates reaching for fasteners
- Most jams are easily cleared on the line
- Frees operator's hand for productive use
- Large hopper holds between 1,000 – 5,000 fasteners

Ergonomic

- Eliminates manual handling of fasteners and shavings
- Reduces workspace clutter
- Keeps workspace clean of dropped fasteners
- Torque reaction of standard driver is minimal and can be eliminated with optional Ergo-Arm

Reliable

- Longest warranty in the industry – 3 years
- Rocking Bar design only operates as needed
- "Photo eyes" maximize motor life
- Design eliminates burrs and shavings by minimal handling of the fastener
- Durable head assembly lasts for years
- There are more Acra-Feed systems in use than any other system



Acra-Feed Screw Feed Systems

Model	Applicable Screws	Screw Length		Hopper Capacity	Max Fastening Speed	Weight (Lb)	Dimensions L x W x H (In)
A2100 Series	M2-M5 (#2 - #10)	1/4-1	6-25	1,500cc (1,000-5,000 pcs)*	60 screws/min*	68	7 x 17 x 16
A315V Series	M2-M5 (#2 - #10)	1/4-1	6-25	450cc (500-2,500 pcs)*	60 screws/min*	74	10 x 21 x 16

* Dependent on screw size

Delivery Hose: 10 ft Air Pressure: 85 psi

Power: AC 110V, 20W, AC 220V by request. Contact AIMCO at 1-503-254-6600, or toll free 1-800-852-1368.

HOW TO ORDER: Acra-Feed systems are application-specific and configured to the unique workpiece and requirements of the user. Quotations are provided from a review of sample workpieces, 25 fasteners, and required torque specifications.



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