

Pin Inserter

For Small Part Assembly



PI-M

The manual arbor allows for tactile sensing while inserting. Hand lever mounts to a splined shaft to allow for handle location adjustment. Part gauging included for long parts. Increases productivity up to 6 times over completely manual methods.

Press Force 350 lb.

Pin Diameter .062 - .250 inches

Pin Length .250 - 1.250 inches



PI-700

Low force (1 oz.) dual palm non-tie down/non-repeat pneumatic safety actuators. The PI-700 is adaptable to fully automatic rotary, linear and x-y systems. Includes double acting cylinder and flow control for stroke velocity adjustment.

Press Force 70-700 lb.

Pin Diameter .062 - .250 inches

Pin Length .250 - 1.250 inches



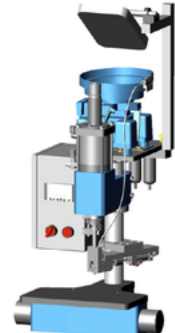
PI-1400

Features of PI-700 with greater press force capability for larger pins and tighter press tolerances. Maximum press force of 1400 lb. A second column may be added for higher forces/longer shut heights.

Press Force 140-1400 lb.

Pin Diameter .062 - .250 inches

Pin Length .250 - 1.250 inches



PI-M-S / PI-700-S / PI-1400-S

Special Pin Inserter for very small pins or pins with difficult height/diameter ratios. Our S-Series Pin Inserters are ideal for medical and atypical applications (shown with optional feeder bowl viewing mirror).

Max. Press Force 350/700/1400

Pin Diameter .02 - .250 inches

Pin Length .06 - 1.250 inches

SPECIFICATIONS	STANDARD PIN INSERTER	SPECIAL PIN INSERTER (S)
Adjustable Stroke (inches)	2-3	.5-2
Throat Depth (inches)	4-5	4-5
Maximum Shut Height (inches)	7.0 (up to 9.0 w/ options)	3.25 (up to 9.0 w/ options)
Maximum Cycle Rate (parts/min)	40	40
Tooling Holes in Base	(2) 5/16-18 x 5"	(2) 5/16-18 x 5"
Electrical Requirements (Volts/Hz)	115/60	115/60
Pneumatic Requirements (PSI)	30-100	30-100
Weight (lb.)	112-129	112-129

Our Pin Inserters include a PLC with HMI, a filter/regulator/lubricator (FRL) with a digital pressure gauge, precision-ground cast iron base and non-rotating ram. The stroke is precise and repeatable within .001 inch and is infinitely adjustable within stroke range. Proper insertion depth is detected and displayed on the HMI. Our standard Pin Inserters have a retractable head for easy part load and unload. Tooling is hardened for long life.

Custom features such as optical orientation, foot switch, slide/nest tooling and automated systems available.

