

Pin Inserter

For Small Part Assembly

MODELS PI-M · PI-700 · PI-1400



Productivity Through Mechanization and Automation

Cut assembly costs and increase production rates with Assembly and Automation Technology's Automatic Pin Inserters. Our Pin Inserter line offers superior part handling and insertion performance for automatic production systems and single work stations.

APPLICATIONS

Automotive
Mechanical

Appliance
Electro-Mechanical

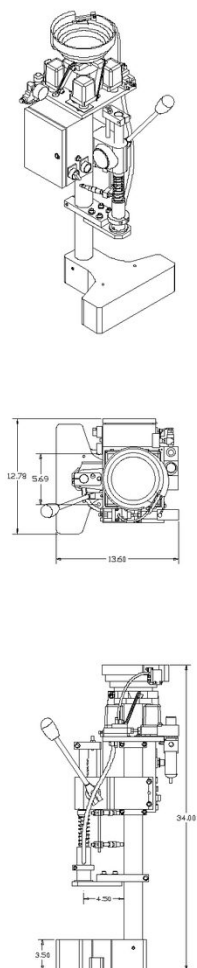
Toys/Games
Medical

Plastics
Electronics

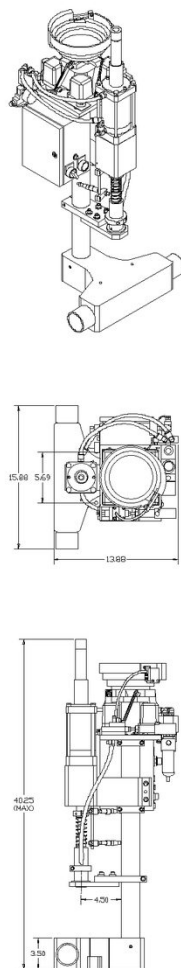
Lighting

SPECIFICATIONS

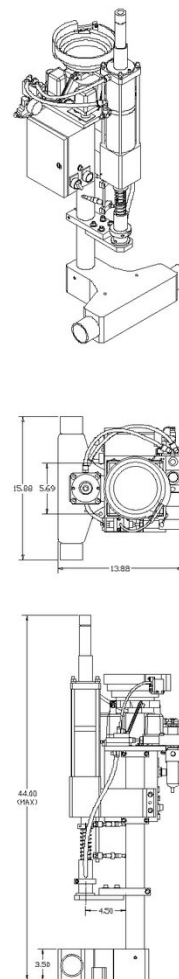
PI-M



PI-700



PI-1400



SPECIFICATIONS	MODEL PI-M	MODEL PI-700	MODEL PI-1400
Pin cross section length (inches)	.062 - .250	.062 - .250	.062 - .250
Pin length (inches)	.250 - 1.250	.250 - 1.250	.250 - 1.250
Press force at 100 PSI	350	700	1400
Adjustable stroke (inches)	2-3	2-3	2-3
Throat depth (inches)	4.5	4.5	4.5
Maximum shut height (inches)	7.0	7.0	7.0
Maximum cycle rate (parts/min)	NA	40	40
Tooling holes in base	(2) 5/16 - 18x5	(2) 5/16 - 18x5	(2) 5/16 - 18x5
Electrical requirements (Volts/Hz)	115/60	115/60	115/60
Pneumatic requirements (PSI)	30 - 100	30 - 100	30 - 100
Weight (lbs)	112	125	129

FEATURES



PI-M



PI-700



PI-1400

PI-M

- Hand lever mounts to a splined shaft to allow for handle location adjustment.
- Manual arbor allows for tactile sensing while inserting.

PI-700 & PI-1400

- Low force (1 oz.) dual palm non-tie down/non-repeat pneumatic safety actuators (foot switch optional).
- Adaptable to fully automatic rotary, linear and x-y systems.
- Double acting cylinder with low air consumption.
- Flow control for stroke velocity adjustment.

Standard on all models

- Increase productivity up to 6 times over manual methods.
- Part gauging features for both the cross section and for long parts.
- Hardened tooling for long life.
- Programmable Logic Controller (PLC) for reliability.
- Precision-ground cast iron base with bench-top mounting.
- Precise repeatable stroke within 0.001 inch.
- Infinite stroke adjustment within range.
- Retracting head for easy part load and unload.
- Non-rotating ram.
- Filter/regulator/lubricator (FRL) with pressure gauge.
- Custom slide/nest tooling available.

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Technical Support

Assembly & Automation Technology will utilize its decades of experience to provide sample part evaluation, application engineering assistance, and custom tooling design.

Please call or send your sample parts today for a free quotation.

OTHER STANDARD PRODUCTS



Staker S-5000 /
S-8000



Press-Staker PS-3000
/ PS-5000

Standard Pneumatic Stakers & Press-Stakers

- Pneumatic models from a light tap to 8000 lbs. of impact force.
- Repeatability within .001 inch.
- Rates up to 60 cycles per minute (staker).
- Non-rotating ram optional (staker).
- Low force (1 oz.) dual palm safety actuators with non-tie down, non-repeat control (staker).
- Foot or hand switch with ram position safety interlock (press-staker).
- Filter-regulator-lubricator with pressure gauge.
- Cast iron base with bench-top mounting.



Press P-70



Press P-200

Standard Pneumatic Presses

- 200, 700, 1400, 2100 lb. capacity at 100 PSI.
- Cast iron base and head bracket.
- Adjustable, repeatable stroke.
- Non-rotating ram.
- Double acting cylinder.
- Flow control for stroke speed adjustment.
- Low force (1 oz.) dual palm safety actuators with non-tie down, non repeat control.
- Filter / regulator / lubricator with pressure gauge.



S-250

Standard Automatic Screwdriver

- Model S-250 for screws, nuts and threaded parts.
- #3 to 1/4 screw, up to 1" long (standard).
- Precise placement torque and depth.
- Easy set up and adjustment.
- Automatic feed.
- Pneumatic operation.
- Built for durability, low maintenance and long life.

Custom Automated Systems



Custom equipment designed and built by A&AT to meet customer specifications. We serve a variety of industries and specialize in hard-to-automate applications where off-the-shelf solutions fall short. For 40 years our team has delivered custom assembly machines, machine vision inspection, vision-guided robotics and precision testing equipment.