

Pneumatic Presses

For Small Part Assembly

MODELS P-20 · P-70 · P-140 · P-200



Productivity Through Mechanization and Automation

Cut assembly costs and increase production rates with Assembly and Automation Technology's Pneumatic Presses. Our Press line offers superior construction for pressing applications.

APPLICATIONS

Automotive
Mechanical

Appliance
Electro-Mechanical

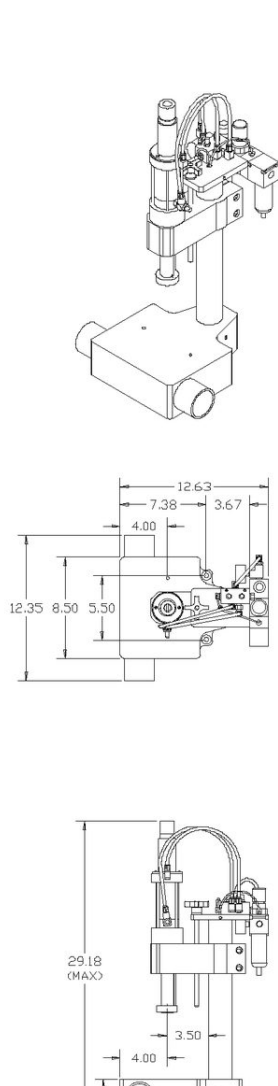
Toys/Games
Medical

Plastics
Electronics

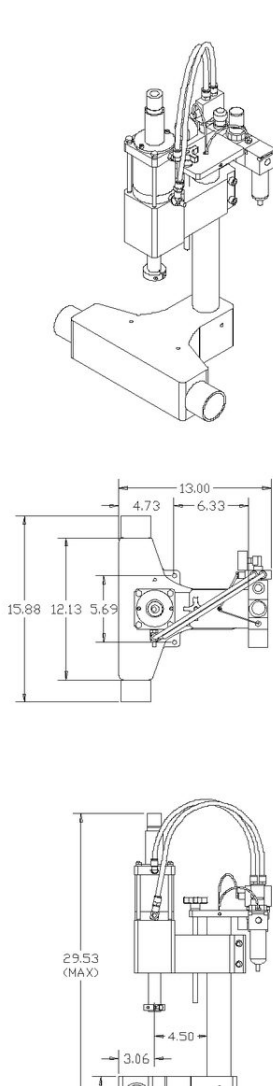
Lighting

SPECIFICATIONS

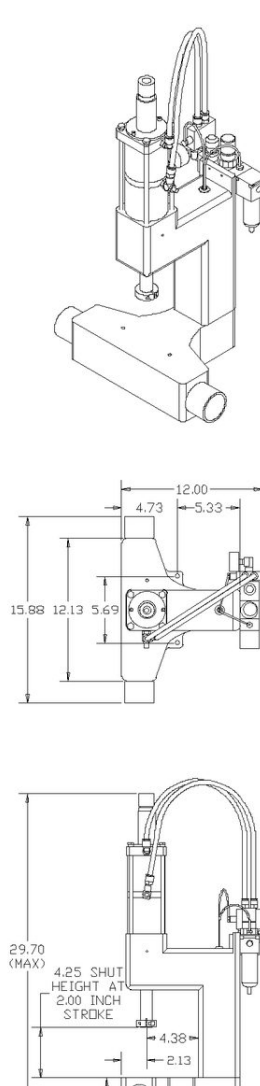
P-20



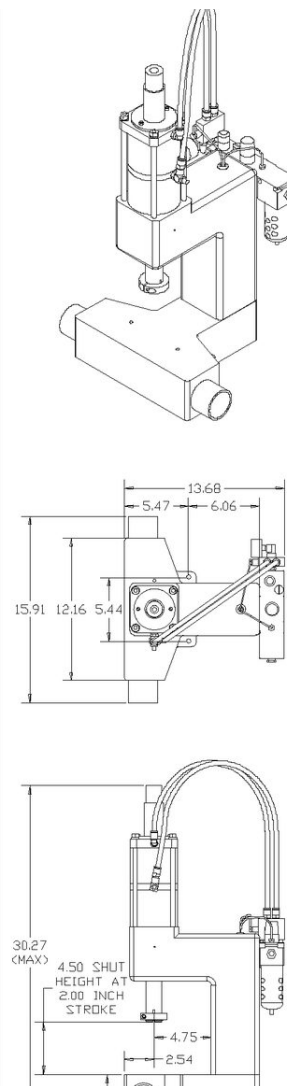
P-70



P-140



P-200



SPECIFICATIONS	MODEL P-20	MODEL P-70	MODEL P-140	MODEL P-200
Force @ 100 PSI (lbs)	207	706	1370	2148
Adjustable stroke (inches)	.5 – 2.0	.5 – 2.0	.5 – 2.0	.5 – 2.0
Shut height, spindle to base (inches)	2 – 7	2 – 6	4.25 (6.25 optional)	4.5 (6.5 optional)
Throat depth (inches)	3.5	4.5	4.5	5
Tooling holes in base	(2) 5/16-18 x 5	(2) 5/16-18 x 5	(2) 5/16-18 x 5	(2) 5/16-18 x 5
Ram tool hole (inches)	.625 x 1.00	.625 x 1.00	.625 x 1.00	.875 x 1.50
Max air pressure (PSI)	100	100	100	100
Air usage (cu. ft. free air per full stroke cycle)	.034	.11	.22	.35
Weight (lbs)	54	62	66	90

FEATURES



P-20



P-70



P-140



P-200

P-20 & P-70

- Precision ground column.
- Adjustable height cast iron head bracket.
- Head assembly less column and base (optional).

P-140 & P-200

- Heavy duty cast iron frame.
- Tandem cylinders for a slim higher force design.
- Frame riser block (optional).

Standard on all models

- Cast iron base with bench-top mounting.
- Precise repeatable stroke.
- Infinite stroke adjustment within range.
- Non-rotating ram.
- Double acting cylinder with low air consumption.
- Flow control for stroke velocity adjustment.
- Low force (1 oz.) dual palm non-tie down/non-repeat pneumatic safety actuators (standard).
- High mounted dual palm actuators (optional).
- Foot switch (optional).
- Filter/regulator/lubricator with pressure gauge.
- Quiet operation.
- Dry seal models available.
- Custom 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.



Inserter PI-700 /
PI-1400



Manual Inserter PI-M

Standard Pin Inserters

- Pneumatic and manual press models with automatic pin feed.
- Pneumatic press forces up to 700 lbs. or 1400 lbs.
- Pin sizes up to 1/4 inch diameter.
- Pin lengths from 1/4 to 1 1/4 inches.
- Low force (1 oz.) dual palm safety actuators with non-tie down, non-repeat control (pneumatic press models).
- Adjustable shut height up to 7 inches (standard).
- Adjustable stroke from 2 to 3 inches.
- Insertion height sensed to within .001 inches.

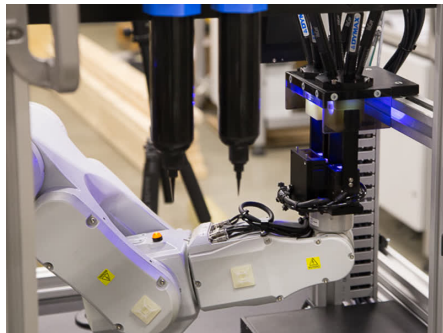


S-250

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.