

Pneumatic Stakers & Press-Stakers

For Small Part Assembly

MODELS S-5000 · S-8000 · PS-3000 · PS-5000



Productivity Through Mechanization and Automation

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

APPLICATIONS

Automotive
Mechanical

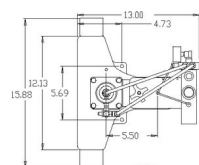
Appliance
Electro-Mechanical

Toys/Games
Medical

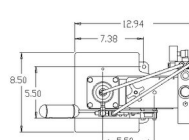
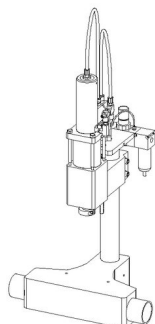
Plastics
Electronics

Lighting

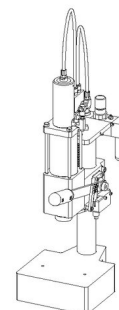
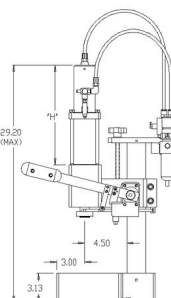
SPECIFICATIONS



**S-5000/S-8000
STAKER**

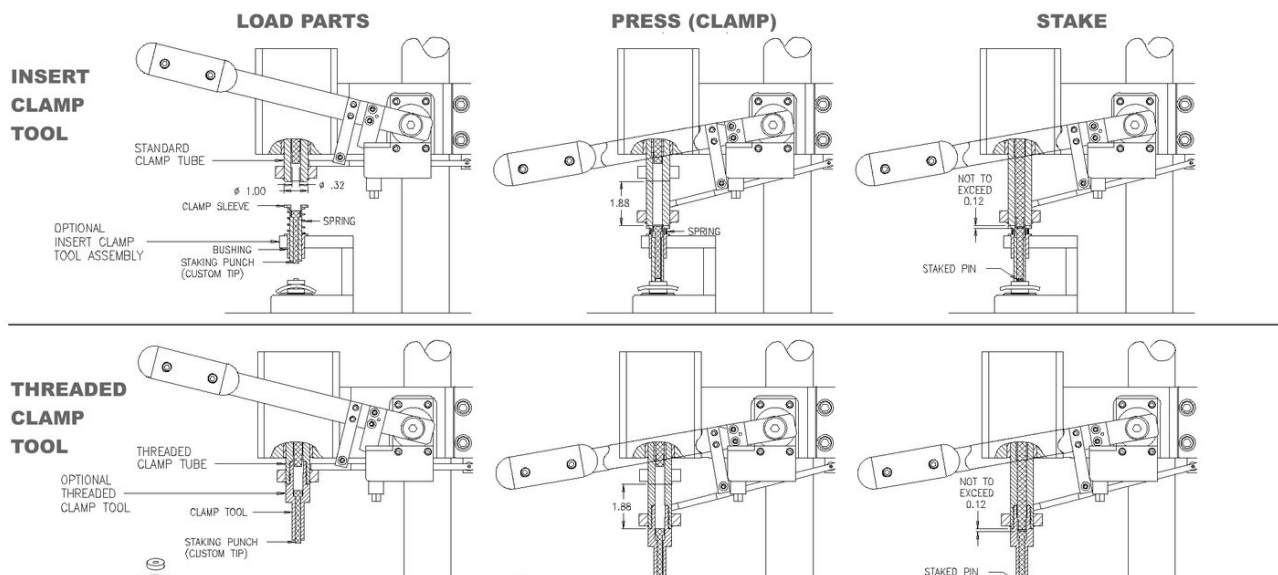


**PS-3000/PS-5000
PRESS STAKER**



SPECIFICATIONS	S 5000	S 8000	PS 3000	PS 5000
Impact force @ 100 PSI (lbs)	5000	8000	3000	5000
Shut height, spindle to base (inches)	2-7	2-7	2-7	2-7
Dimension "H" (inches)	9.90	9.90	9.60	10.60
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 (dia. x depth) (inches)	0.625 x 1.00	0.625 x 1.00	N/A	N/A
Max air pressure (PSI)	100	100	100	100
Air usage (cu. ft. free air per full stroke cycle)	.01	.02	.01	.01
Weight (lbs)	77	80	66	69

PRESS STAKER STAGES OF OPERATION



FEATURES



Staker



Press Staker

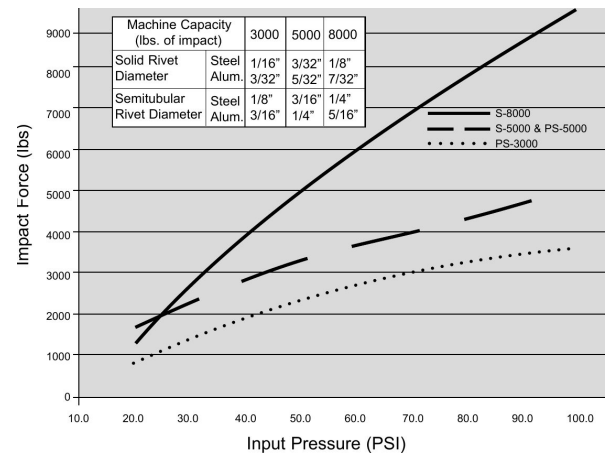
Staker

- Low force (1 oz.) dual palm non-tie down/non-repeat pneumatic safety actuators (standard).
- Head assembly less column and base (optional).
- Foot switch (optional).
- Non-rotating ram (optional).

Standard on all models

- Very low air consumption.
- More consistent impact than electric stakers.
- "Formed Head" height repeatable within .001 inches.
- More reliable than electric stakers.
- Cast iron base with bench-top mounting holes.
- Precision-ground cast iron base.

IMPACT FORCE CHART



Press Staker

- Foot switch actuates the Stake operation only when clamp arm is in the clamped (down) position.
- Threaded clamp tube (optional).
- Threaded clamp tool (optional).
- Insert clamp tool assembly allowing quick production changes (optional).

- Adjustable height cast iron head bracket.
- High velocity impact.
- Filter/regulator/lubricator with pressure gauge.
- Production rates up to 60 cycles per minute.
- Dry seal models (optional).
- Custom tooling available.

APPLICATIONS

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Plastics
Electro-Mechanical

Appliance
Lighting
Medical

Toys/Games
Mechanical
Electronics

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



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.

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.