

2024 Pneumatic Presses



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About Us

"Our passion is to be recognized by our customers as a viable business resource through consistent high precision manufacturing. Our goal is to retain the quality we have been known for while reducing lead times and therefore increasing customer satisfaction."

Toman ThermoSonics Inc, is an innovative, full service manufacturer of high quality, affordably priced pneumatic presses, heat staking machines as well as ultrasonic welding accessories and supplies designed to meet the assembly needs of the product engineering industry.

Toman Tool was founded by the Rubasch brothers in 1989 in a barn in Viroqua, Wisconsin, eventually moving into a 10,000 sq. ft. manufacturing plant by 1998.

In 2014, the Toman intellectual property was acquired by Amtech Tool and Die Corporation. The name was changed to Toman ThermoSonics and moved to New Berlin, Wisconsin. Amtech's resources increased the manufacturing capabilities in DUT, metal stamping dies, jigs and gages.

In 2022 the Toman ThermoSonics division was acquired by Torey Bringa and became Toman ThermoSonics Inc. Shortly after, all production and offices were moved to a 12,000 sq. ft. manufacturing plant in Menomonee Falls, Wisconsin. With Torey's experience in electrical and mechanical engineering, willingness to acquire new state of the art equipment, and devotion to retaining and finding additional team members, Toman ThermoSonics Inc. is destined for growth.

Light-Duty Pneumatic Press

These versatile and light duty air presses can be used in assembly operations requiring less than 500 pounds of down force. It can be tooled using low cost, miniature die sets. The lightweight design makes it easy to move from place to place.

All of our presses feature standard no-touch buttons which are superior to mechanical push buttons. Just the presence of your fingers on these photoelectric buttons interrupts the infrared sensing beam to activate the switch. This eliminates hand, wrist and arm stress associated with repeated, mechanical switch operation which greatly reduces the risk of Carpal Tunnel Syndrome.

Press activation is the same on all of our air presses, when the operator touches the two palm buttons, the press ram advances as long as their fingers remain in place. If they remove their fingers the ram immediately retracts. If you order your machine with the timer option, the operator can remove their hands from the palm buttons once the press ram is past the pinch point. The timer can be set from 0 to 5 seconds.

Features:

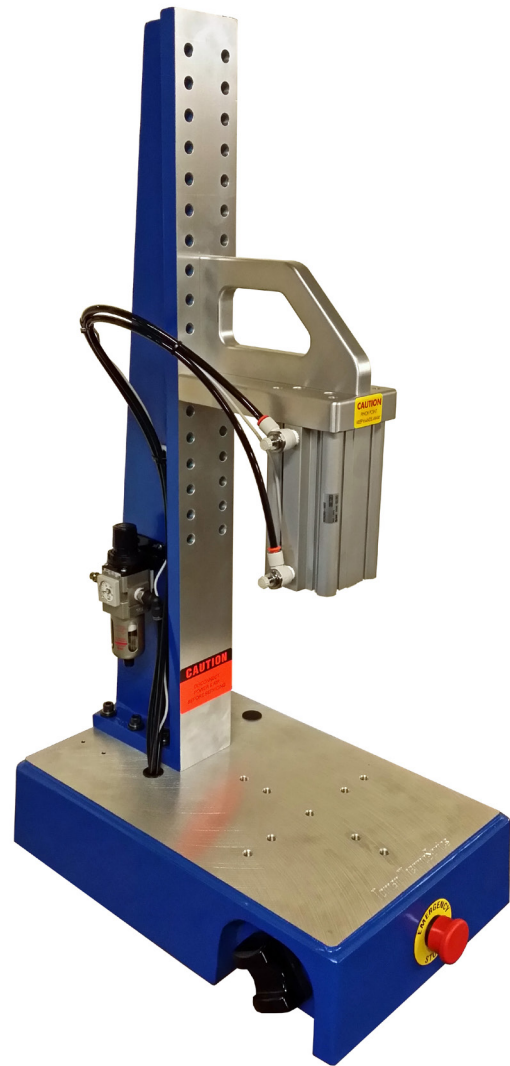
- Blanchard ground cast aluminum machine base with 3/8-16 fixture mounting holes
- 4" stroke standard (other strokes available)
- Filter/Regulator with integrated gauge
- Dual, anti-tiedown, no-touch ergonomic actuation
- Large 8"x 8" tapped bolster plate for easy tool setup
- Cylinder to base plate clearance of 0 to 17.5" in 1" increments

TSN165 Specifications:

- Power requirements: 110-120 VAC, 50/60 Hz
- Current draw @ full rated output: 1 amp
- Pneumatic requirements: Clean, dry air @ 80-100 psig
- Maximum force: 125lbs @ 100psig
- Stroke length: 4" (10.16 cm)
- Weight: 44lbs

TSN166 Specifications:

- Power requirements: 110-120 VAC, 50/60 Hz
- Current draw @ full rated output: 1 amp
- Pneumatic requirements: Clean, dry air @ 80-100 psig
- Maximum force: 480lbs @ 100psig
- Stroke length: 4" (10.16 cm)
- Weight: 45lbs.



Item# TSN165

Pneumatic Press with 125 lbs. of force

Item# TSN166

Pneumatic Press with 480 lbs. of force

Item# TSN165-T

Pneumatic Press with 125 lbs. of force and timer

Item# TSN166-T

Pneumatic Press with 480 lbs. of force and timer

1/2 Ton Pneumatic Press

This versatile, all steel constructed, 1/2 ton air press (tonnage based on 80 psi) can be used in punching, crimping or forming your product assembly. It can be easily tooled or retooled using inexpensive, standard die sets.

The press features standard no-touch buttons which are superior to mechanical push buttons. Just the presence of your fingers on these photoelectric buttons interrupts the infrared sensing beam to activate the switch. This eliminates hand, wrist and arm stress associated with repeated, mechanical switch operation which greatly reduces the risk of Carpal Tunnel Syndrome.

Press activation is the same on all of our air presses, when the operator touches the two palm buttons, the press ram advances as long as their fingers remain in place. If they remove their fingers the ram immediately retracts. If you order your machine with the timer option, the operator can remove their hands from the palm buttons once the press ram is past the pinch point. The timer can be set from 0 to 5 seconds.

Features:

- 4" stroke standard (other strokes available)
- Large 8"x 8" Blanchard ground bolster plate with 3/8-16 tapped holes for easy tool setup
- Filter/regulator with integrated gauge
- Dual, anti-tiedown, no-touch ergonomic actuation
- Large, emergency stop button
- 4" X 6" opening in back plate for blow-off or part feed
- Drilled hold-down feet for easy mounting to a bench

Specifications:

- Power requirements: 110-120 VAC, 50/60 Hz
- Current draw @ full rated output: 1 amp
- Pneumatic requirements: Clean, dry air @ 80-100 psig
- Maximum force: 1250lbs @ 100psig
- Stroke length: 4" (10.16 cm)
- Weight: 100lbs.

Item# TSN079

Pneumatic Press with 1/2 Ton of force

Item# TSN079-T

Pneumatic Press with 1/2 Ton of force and timer



1-3 Ton Pneumatic Press

These One-Three Ton Heavy Duty Air Presses can be used on product assembly applications that, in the past, required much more costly, noisy, or leaky hydraulic presses. The heavy welded, C-Frame construction eliminates the press deflection you get on column-style presses. These presses are easily tooled and retooled using standard, inexpensive die sets. Punching, forming, pressing, and curling operations are easily accomplished.

The press features standard no-touch buttons which are superior to mechanical push buttons. Just the presence of your fingers on these photoelectric push buttons interrupts the infrared sensing beam to activate the switch. This eliminates hand, wrist and arm stress associated with repeated, mechanical switch operation which greatly reduces the risk of Carpal Tunnel Syndrome. Press activation is the same on all of our air presses, when the operator touches the two palm buttons, the press ram advances as long as their fingers remain in place. If they remove their fingers the ram immediately retracts. If you order your machine with the timer option, the operator can remove their hands from the palm buttons once the press ram is past the pinch point. The timer can be set from 0 to 5 seconds..

Features:

- 4" stroke standard (other strokes available)
- Filter and regulator gauge
- Dual, anti-tiedown, no-touch ergonomic actuation
- 6"x6" opening in back plate for part feed or blow-off
- 10"x12" tapped bolster plate for easy tool setup
- Drilled hold-down feet for easy mounting to a machine stand

Specifications:

- Power requirements: 110-120 VAC, 50/60 Hz
- Current draw @ full rated output: 1 amp
- Pneumatic requirements: Clean, dry air @ 80-100 psig
- Stroke length: 4" (10.16 cm)
- Weight: 200-235lbs w/o tooling (depending on cylinder size)



Item# TSN075

Pneumatic Press with 1 ton of force

Item# TSN075-T

Pneumatic Press with 1 ton of force and timer

Item# TSN076

Pneumatic Press with 2 tons of force

Item# TSN076-T

Pneumatic Press with 2 tons of force and timer

Item# TSN077

Pneumatic Press with 3 tons of force

Item# TSN077-T

Pneumatic Press with 3 tons of force and timer

4 Ton Pneumatic Press

These Four Ton Heavy Duty Air Presses can be used on product assembly applications that, in the past, required much more costly, noisy, or leaky hydraulic presses. The heavy welded, C-Frame construction eliminates the press deflection you get on column-style presses. These presses are easily tooled and retooled using standard, inexpensive die sets. Punching, forming, pressing, and curling operations are easily accomplished.

The press features standard no-touch buttons which are superior to mechanical push buttons. Just the presence of your fingers on these photoelectric push buttons interrupts the infrared sensing beam to activate the switch. This eliminates hand, wrist and arm stress associated with repeated, mechanical switch operation which greatly reduces the risk of Carpal Tunnel Syndrome. Press activation is the same on all of our air presses, when the operator touches the two palm buttons, the press ram advances as long as their fingers remain in place. If they remove their fingers the ram immediately retracts. If you order your machine with the timer option, the operator can remove their hands from the palm buttons once the press ram is past the pinch point. The timer can be set from 0 to 5 seconds..

Features:

- 4" stroke standard (other strokes available)
- Filter and regulator gauge
- Dual, anti-tiedown, no-touch ergonomic actuation
- 6"x6" opening in back plate for part feed or blow-off
- 10"x12" tapped bolster plate for easy tool setup
- Drilled hold-down feet for easy mounting to a machine stand

Specifications:

- Power requirements: 110-120 VAC, 50/60 Hz
- Current draw @ full rated output: 1 amp
- Pneumatic requirements: Clean, dry air @ 80-100 psig
- Stroke length: 4" (10.16 cm)
- Weight: 200-235lbs w/o tooling (depending on cylinder size)

Item# TSN078

Pneumatic Press with 4 tons of force

Item# TSN078-T

Pneumatic Press with 4 tons of force and timer





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