

# Janesville Tool & Manufacturing, Inc.

Back in the late 1950s, George Gilman opened a machine shop in Janesville, Wisconsin. Like most machine shops, Janesville Tool and Manufacturing did a wide variety of general machining. George was not only a good machinist; he was a talented inventor too. He often created special tooling and even special machines to make jobs faster, easier, and more profitable. Out of necessity, George built the first JT&M assembly press. It was a compact manual lever press that looked and worked like today's ILP-500.

George Gilman was a perfectionist. He designed and built his assembly press to be extremely precise; however, its real beauty was its versatility. George soon found that the lever press could be quickly adapted to many jobs around the shop.

Now and then customers and friends stopped by and saw George's press. They were so pleased with his press they often tried to buy it. Soon George was building presses and die sets for sale. Word-of-mouth advertising spread the reputation of the press far and wide. After a while, George was so busy making lever presses, he discontinued his general machining business.

Twenty years later, the Roach family bought the company. Along with moving to larger quarters in a neighboring town, they expanded the number of manual presses to four and added several die sets to the line. In 1989 they added four pneumatic-powered presses to the line, and the rest is history.

Today, the popularity of Janesville Tool and Manufacturing presses is greater than ever. We still adhere to the same strict standards of quality established by George Gilman. Our manufacturer-direct pricing and 24-hour shipping policies make our presses truly affordable and accessible. For more information about Janesville Tool & Manufacturing, our products, and their uses, visit our web site at [www.janesvilletool.com](http://www.janesvilletool.com) or call us at (608) 868-4711.

## PNEUMATIC PRESSES

JT&M's line of pneumatic presses offer user-proven reliability and quality construction. All models feature dual hand anti-tie-down/anti-repeat controls. Nonlube operation is possible because the cylinders feature nonmetallic bearings to reduce friction and improve breakaway. All pneumatic presses come standard with a three-inch stroke. Alternate stroke lengths are available on request. Cylinders are rated for air pressures of 250 psi and feature dynamic seals that are Block Vee Buna N U cups. All models include solenoid valves with built-in adjustable flow controls.

### Force Calculation

Model numbers are set up to give the user an indication of the force that can be obtained from the press. The last three numbers of the model number, when divided by 10 and multiplied by the air pressure, will yield the output force of the press. Minimum air requirement is 10 psi to operate solenoid valve.

Example:

$$\frac{A-3 (066) \times 80 \text{ psi}}{10} = 528 \text{ lbs.}$$

### Options

**Adjustable Down Stop/Anti-Rotate Mechanism** Makes use of a double-ended cylinder and tooling to provide an adjustable down stop to the cylinder travel. In addition, the cylinder rod is prevented from rotating.

**Model T-10A and T-10B Timer Delay Kits** Allows user delay time of .1 seconds to 999 hours. Model T-10A (A -500 to A -3000 and A-6000 series) Model T-10B (A-4000 and A -5000 series).

**Model 523 Quick Exhaust Valve** Allows exhaust air to be exhausted at the cylinder rather than the solenoid valve to speed up press cycle.



Adjustable Down Stop/  
Anti-Rotate Mechanism



Model T-10A Timer Delay Kit



Model 523 Quick Exhaust Valve