

AIM JORACO®

Rivet Machine



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PRODUCT DESCRIPTION

AIM Joraco engineered and manufactured a specific press solution, the Toggle-Aire® Model 1530-R, for automated rivet installation. After collaborating with the customer and studying their requirements, AIM Joraco developed a hybrid solution that involved modifying a 5-Ton Model 1530 Toggle-Aire® Press and configuring it with a feeder bowl, track, and custom tooling. Adapting one of our field-proven pneumatic press designs, through adding custom automation features, enabled the customer to acquire the system in a short amount of time and less expensively than a built from scratch machine.

With flexible designs, AIM Joraco's standard pneumatic presses are built for easy integration into automated assembly lines and work cells. The Toggle-Aire® Model 1530-R pneumatic press configuration features a feeder bowl with an opening on the bottom. After the operator loads rivets into the bowl, the slide on the bottom opens to dispense a rivet onto a guide arm which positions it underneath the tooling. The tool consists of a rivet head hammer and a rolling die that then forms the rivet head into the correct shape.

The Toggle-Aire® Model 1530-R is a benchtop rivet installation press features dimensions of just 17.0" in length x 10.0" in width x 25.0" in height. It operates with repeatable accuracy at fast cycle times. Custom tooling matches job-specific requirements, and the solution provides a high throughput, labor-saving solution. With our ability to customize our pneumatic presses and transform them into innovative and economical automated assembly machines, we help customers reduce overall production costs. The Model 1530-R was primarily designed for existing customers who had operators who knew how to use the machine but wanted to minimize training. The machine provides the ability to have ease of maintenance and is adaptable with existing equipment. To learn more about this system and for quotations, contact AIM Joraco directly.

MOST IMPORTANT POINTS TO THE RIVET MACHINE

The Rivet Machine was primarily designed for existing customers who had operators who knew how to use the machine but wanted to minimize training.

The spare parts from other JORACO machines work seamlessly with the rivet machine. The machine provides the ability to have ease of maintenance and has capability with existing equipment.

PRODUCT CAPABILITIES

Capabilities Applied/ Processes

- Riveting
- Material
- Handling

Equipment Used To Manufacture

- 1530 Toggle Air

Overall Part Dimensions

- 17 x 10 x 25 in. for Pressing and Tooling

Toughest Tolerances

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