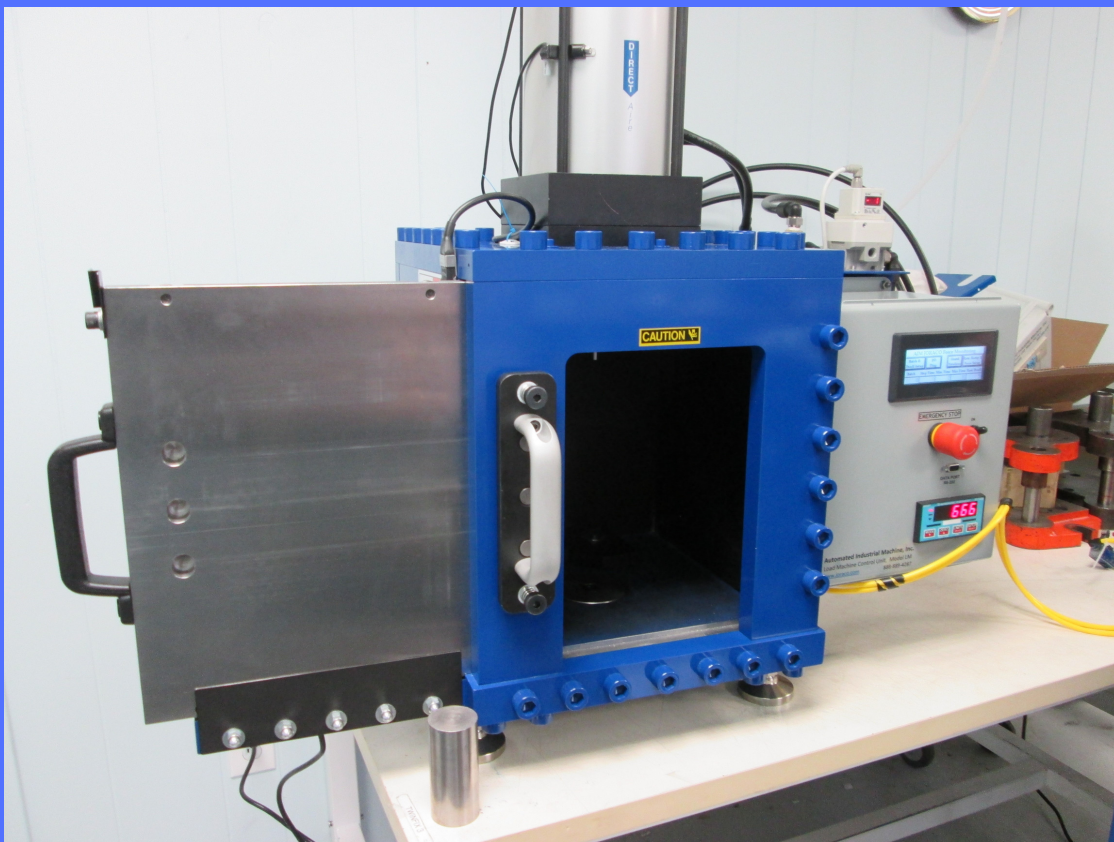




Compacting Application For World's Leading Provider of Technology to the Oil & Gas Industry



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PRODUCT DESCRIPTION

AIM Joraco designed and manufactured a compacting press for the world's leading provider of technology to the oil and gas industry. This press is designed to pack explosive materials into capsules for oil well perforating systems. Due to the extremely hazardous nature of the explosive powder being compacted, it was necessary for us to create a system that is explosion proof and involves integrated safety features that comply with industry standards, statutory regulations, and the company's explicit directives.

Working as a team, AIM Joraco's electrical and industrial design engineers specified a system to deliver consistently high performance with the utmost degree of safety in mind. Using the Direct-Aire® Model 400T Straight Cylinder Pneumatic Press, as the basic element for design, AIM Joraco provided additions of explosion protection housing and an integrated force monitoring system to meet the customers need. The force monitoring system calculates the work of compaction of very delicate materials and validates proper press operation to ensure manufacturing consistency. It also provides interrupts, alarms, and records data in real-time for inspection and quality assurance purposes.

This particular solution provided the dimensions of 13.0" in width x 18.0" in depth x 42.0" in height, allowing this press to comfortably fit on the bench top. We manufactured and assembled the press entirely in-house, including the reinforced machine guarding, the robust protection system and integrated safety features that insulate the operators and equipment from harm, as well as the process control system that ensures capsule uniformity from lot to lot. With our leadership position in the benchtop pneumatic press industry, we provided this customer with a solution that delivers high precision compacting that complies with all safety directives. For more information about this project or our custom pneumatic press building capabilities, contact AIM Joraco directly.

PRODUCT CAPABILITIES

Capabilities Applied

- Compacting
- Force Monitoring

Equipment Used To Manufacture

- Direct-Aire® Model DA-600

Overall Part Dimensions

- 13 x 18 x 42 inches for Press and Enclosure

Industry For Use

- Oil & Gas

Delivery Location

- Texas