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Press Release:

Beckwood Delivers Servo-Electric and Hydraulic Presses for Solid State Battery Supplier

St. Louis, MO – Beckwood Press Company, a leading manufacturer of custom hydraulic and servo-electric presses, automation systems, and the Triform line of precision forming equipment, recently delivered a 500-ton hydraulic 4-post press and a 50-ton servo-electric press to a manufacturer of solid state batteries in the United States.

Solid state batteries are quickly becoming the preferred power source in electric vehicles because they are smaller, safer, lighter, and more efficient than lithium-ion batteries. These batteries use solid, ion-conducting material rather than liquid electrolytes, resulting in a greater range of mileage and improved safety for today's electric vehicles.

The 500-ton compression molding press is being used to heat and laminate the batteries with consistent temperatures up to 250 degrees Fahrenheit via a hot oil system. Additionally, the press is equipped with a load cell for precise force feedback.

The customized 50-ton servo-electric press is being used to assemble the batteries. Additionally, the press is equipped with electrically heated platens with the ability to heat up to 250 degrees Fahrenheit for the option of laminating the batteries. Using a servo-electric actuator in lieu of a hydraulic system for this application allows for unparalleled positional accuracy and repeatability as well as a more energy efficient and clean assembly process.

“Being on the leading edge of innovation as the market shifts from internal combustion engines to battery powered electric vehicles is exciting,” said Beckwood Sales Manager Caleb Dixon. “These two presses show our ability to drive that innovation forward with our commitment to making valuable machinery for the process.”

About Beckwood Press Company

Beckwood Press Company is a leading manufacturer of hydraulic and servo-electric presses, located in St. Louis, MO - USA. Established in 1976, they offer both standard and custom presses as well as automation equipment for virtually every industry and application, including a line of temperature-controlled presses for [compression molding](#) and high-temperature [hot forming / SPF](#) applications. Beckwood also manufactures the [Triform](#) line of precision forming equipment and the [EVOx](#) line of servo-electric presses. Get the latest news from Beckwood at beckwoodpress.com/news.

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