

Beckwood Press Company and Triform Sheet Hydroforming

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Press Release:

Beckwood Adds Extrusion and Sheet Stretch Forming Machines to Product Family

St. Louis, MO – Beckwood Press Company, manufacturer of advanced hydraulic press solutions, has expanded its product line with the addition of stretch forming machines. Beckwood’s stretch forming systems, engineered for both extrusion and sheet stretch forming, can be configured to the individual user’s needs, including the integration of heat to facilitate forming high-strength materials. The product line, primarily focused toward the aerospace industry, further expands Beckwood’s already-significant product family geared toward the aerospace industry; which includes hot forming presses, sheet hydroforming presses, ring expanders and a full line of traditional hydraulic presses.

In late 2014, Beckwood will deliver two (2) extrusion stretch machines, each with a 20 ton capacity, which can accept a maximum part length of 240”. The twin machines feature precision CNC controls, including independent arm movement for increased capability. Integrated tool heating is included to facilitate forming high-strength materials, and full process programmability, with built-in recipe functionality / job storage, is also incorporated.

“The expansion of our product family, to include stretch forming machines, allows Beckwood to better cater to our aerospace industry customer base,” said Beckwood President, Jeffrey Debus. “Modern operations can benefit greatly from a single source supplier, equipped to effectively tackle a variety of manufacturing challenges. Aerospace industry organizations are discovering the advantages Beckwood can provide for a wide range of products including hot forming presses, sheet hydroforming presses, traditional hydraulic presses, ring expanders, hot joggle presses and, now, sheet and extrusion stretch forming machines,” Debus concluded.

Each Beckwood stretch forming structure is engineered for Infinite Life using the latest design analysis software. The designs are built to withstand the extreme forces generated during the stretch process. Beckwood’s stretch forming solutions result in highly accurate forming results, with adjustable cycles to facilitate both traditional and tangential stretch forming.

As is standard with every Beckwood-manufactured system, the stretch forming machines come equipped with Beckwood’s PressLink system for remote connectivity, for fast and efficient support from the factory via a standard Ethernet connection. Built-in redundancies, such as dual linear and pressure transducers also minimize unexpected downtime.

Beckwood, is an official representative for ESI, the maker of Pam-Stamp Forming Simulation Software, and offers the suite as an option with each stretch forming system. Pam-Stamp provides advanced simulation capabilities to a variety of manufacturing processes from sheet hydroforming to traditional press forming and drawing, and it also effectively simulates the stretch forming processes. Allowing manufacturers to prove out their forming process faster with less waste.

About Beckwood Press Company

The [Beckwood Press Company](http://www.beckwoodpress.com) is a leading hydraulic press supplier, located in St. Louis, MO USA. They offer quality, custom hydraulic presses for virtually every industry & application, including a line of high-temperature hot forming presses for forming structural aerospace components. Beckwood also manufactures the [Triform line of Sheet Hydroforming Presses](#), which use hydraulic fluid in a flexible bladder, or diaphragm, to shape sheet metal or composite material against a single tool, as well as a line of stretch forming machines for both extrusion and sheet applications. Beckwood machines are valuable in any metal forming environment and are exceptionally well suited to operations working with high strength alloys such as titanium, Inconel, Hastelloy and others. Get the latest news from Beckwood at <http://www.beckwoodpress.com/news>.

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