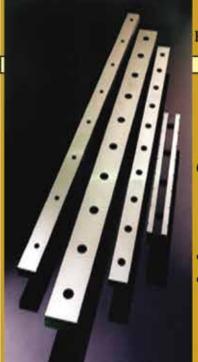


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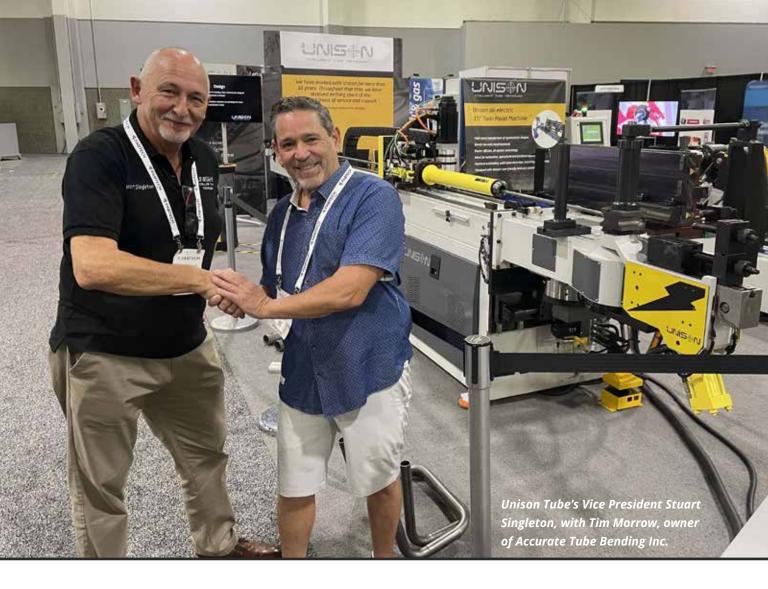
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## Unison Tube Enjoys a Fabulous FABTECH 2022 Exhibition

FABTECH 2022 Atlanta was a resounding success for Unison Tube LLC, the North American arm of UK-based Unison Ltd – the inventors of all-electric tube manipulation.

Unison machines on show at FABTECH included an all-electric Unison Breeze Twin Head tube bender and one of the company's all-new 'Synergy' hybrid multi-stack models. The Synergy machine on display - a 2" (50 mm) collet, multi-stack model - was quickly snapped up by full-service precision tube bending specialists, Accurate Tube Bending Inc. of Newark, California. The Breeze Twin Head bender, a machine developed for the high-speed manufacture of symmetrical tubular shapes, such as those typically found in automotive, agricultural and furniture applications, was purchased by a leading street furniture specialist.

In addition to showcasing several of its CNC machine tool technologies at FABTECH, Unison also used the event to launch Opt2Sim Tube, the latest addition to its industry leading Opt2Sim tube simulation software suite, with delegates being invited to enter a draw to win one of several Opt2Sim Tube software licenses. With the opportunity to benefit from speed enhancements of up to 25 percent, depending on the component being bent, Unison's recently upgraded Unibend CNC also caught the attention of delegates.

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"FABTECH 2022 was a great event for us," comments Unison Tube LLC's Vice President, Stuart Singleton. "Quite apart from selling two of our display machines on the first day of the show, we gained an exceptional number of high-quality leads from manufacturers and subcontractors – industry professionals, who clearly know their tube and were looking for first-class tube manipulation technologies.

"Our newly-released Opt2Sim Tube simulation software attracted considerable interest thanks to its ability to make it easier than ever to create virtual parts, ready for precise bending data to be uploaded to the bending machine," he continued. "We met friends, customers and colleagues old and new; we sold our display machines – and we came away with some excellent leads. All in all, it was fantastic to be back at FABTECH for the first time since the Covid pandemic. In fact, it'll be no surprise to hear that, after such a great exhibition, we're already thinking about what we'll show at FABTECH 2023 in Chicago."

New Opt2Sim tube simulation software – a complete end-toend solution

Continuous innovation has ensured that Unison's Opt-2Sim suite of 3D simulation software programs remains a firm favorite among users of Unison and other brands of tube bending machinery. Perfected for 'Design to Manufacture' production strategies, Opt2Sim tube bending simulation software uses machine and component data to provide a precise, virtual insight into the tube bending process before a single part is bent. In new Opt2Sim Tube, Unison gives users the ability to drag and drop STEP files into the software program and extract tube data instantly. Parts can also be drawn by simply entering XYZ or YBC coordinates and viewed in 3D. Bend data is quickly converted into printable reports and individual tube data can be extracted.

#### About Unison Tube LLC

Unison Tube LLC is the North American division of Unison Ltd, the UK's leading manufacturer of tube and pipe bending machines, offering the largest range of all-electric benders for diameters from 5/32" (4 mm) to 10" (275 mm)

schedule pipe. With a reputation for building highly powerful, highly robust machines that deliver uncompromising levels of accuracy and repeatability, Unison Ltd continually innovates the tube and pipe bending marketplace. The company manufactured the world's first all-electric tube bender in 1994, followed by the world's first all-electric multi-stack tube bender, then the world's largest all-electric tube bender for the shipbuilding industry. Available in single-stack, multi-stack and right/left varieties, Unison machines are delivered to more than 20 countries globally. Unison's tube bending software is recognized as the most user-friendly control system for tube bending machines. The software is written and supported by Unison, ensuring complete control of its evolution, with no need for third party support.

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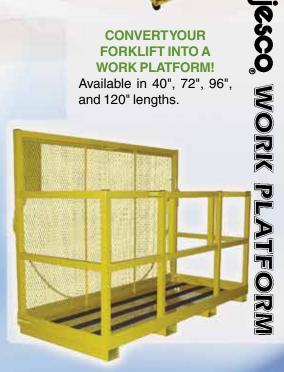
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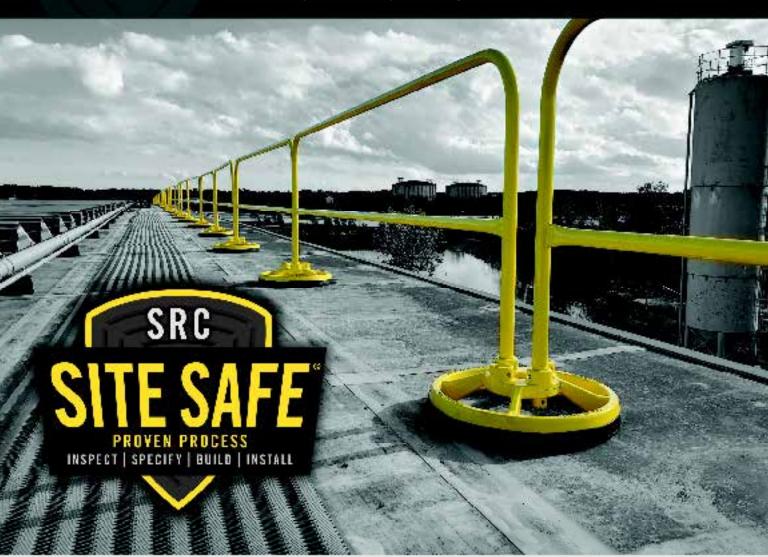
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Greenerd Press & Machine Company has announced its latest 2500 Ton Compression Molding Press, with 10-foot square heated platens maintaining 500-degree (Fahrenheit) surfaces to +/- 5 degrees. This 2500 Ton Press is part of a seven-press order which is currently being built in their main facility. The press also features an innovative mold transfer system which significantly improves the ergonomic and safety dynamics for operators, and reduces the press idle time between cycles.

Greenerd offers unique hydraulic press application solutions for a range of industries, including compression/ composites molding. "To meet the demands of today's challenging applications, we are providing manufacturers with press solutions that are flexible, productive and reliable as well as often being quite large and complex," commented Greenerd Press & Machine Company's CEO, Mr. Jerry Letendre. "For even greater manufacturing efficiency, we are able to provide our hydraulic press customers with turnkey, state-of-the-art robotic and other product handling solutions."

Greenerd has a long tradition of designing, engineering and manufacturing customized hydraulic presses with product handling solutions. Greenerd's extensive line of hydraulic presses are available in a variety of styles ranging from gap frame and straight-side to die-spotting and forging presses, with unlimited size and tonnage capabilities.

#### About Greenerd Press & Machine Company

Founded in New England in 1883, Greenerd has designed and built thousands of high-quality custom and standard hydraulic presses since 1934. Designed to meet challenging application needs, Greenerd presses are made to withstand the rigors of around-the-clock production and deliver many decades of service.

Greenerd has decades of in-house applications engineering experience, successfully designing presses for a broad range of manufacturing applications. Utilizing the latest engineering technologies, Greenerd engineers design and build innovative, safe, efficient, reliable hydraulic press solutions with the latest controls and automation features. For more information, contact Mr. Tom Lavoie at Greenerd. Phone number 800-877-9110, x 251, e-mail tlavoie@greenerd.com or visit www.greenerd.com





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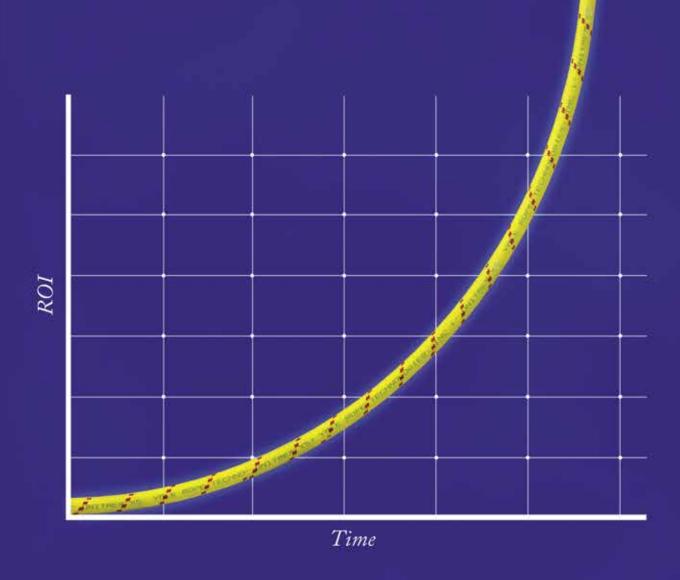
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## **Beckwood Launches New** Patents-Pending Linear Servo Press Line

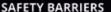
Beckwood Press Company, a leading manufacturer of custom hydraulic and servo-electric presses, automation systems, and the Triform line of precision forming equipment, today announced the launch of a world-class, patents-pending Linear Servo Press line. Beckwood LSP™ combines the flexibility of hydraulic presses with the performance of servo-mechanical presses, using an all-electric actuation system.

Beckwood LSP™ was designed using linear actuators to achieve the highest degree of accuracy and efficiency for ultimate forming flexibility. With fully programmable speeds, pressures and positions, this press line is the most configurable non-mechanical, non-hydraulic solution on the market today. LSP™ presses range from 125 to 500 tons, offering the largest tonnage capacity of any linear servo press available.

Because LSP™ systems are fully electric, users will experience a simplistic design with up to 70% fewer components than servo-mechanical presses and hydraulic presses. Eliminating the hydraulic power units and centralized lubrication systems results in presses that are safer, quieter, and free of leaks, with no risk of part contamination due to oil. By reducing the number of moving components, linear servo presses

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are also easy to set up, maintain, and troubleshoot. In fact, Beckwood LSP™ presses run for millions of cycles before maintenance is ever required. Additionally, they only use energy on-demand, greatly reducing energy consumption.

Every LSP™ machine generates full tonnage through the stroke without the risk of tonnage loss or getting stuck at bottom dead center (BDC). This means tonnages are not derated for long draws or strokes, and presses are appropriately sized for the application rather than upsizing to compensate for tonnage loss above BDC—a great cost savings for the user.

Tonnage monitoring and overload protection on every stroke are standard on these machines, and extreme bed-to-ram parallelism is a byproduct of the technology. Because of this, dies last longer, double-hitting is eliminated, and tooling maintenance costs are much lower than on traditional presses.

The intuitive programming and cycle parameters offer the utmost flexibility in configuring speeds, pressures, positions, and recipe creation. The programming infrastructure offers full control with strict part traceability while monitoring key components to ensure press health and party quality.

"We've seen a high influx in manufacturers adopting linear servo press technology on their factory floors," said Beckwood President, Jeff Debus. "Initially, this new technology was limited in capability and tonnage range, but in response to the growing need, we designed a linear servo press that provides a multitude of benefits plus tonnages above 125."

#### 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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## New Norton Vortex Rapid Prep Flap Discs Provide Longer Life, Increased MRR and Improved Surface Finishes

Saint-Gobain Abrasives, one of the world's largest abrasives manufacturers, has announced the introduction of Norton Vortex Rapid Prep Non-Woven Flap Discs that last longer and produce significantly increased cutting rates and smear-free finishes simultaneously. Norton patented Vortex agglomerated aluminum oxide grain technology enables the cutting power of a coarser grit while producing a finer finish in one abrasives disc solution. The company reports that based on tests performed, the new non-woven discs can increase material removal rates (MRR) over 50 percent compared to non-woven medium grit flap discs.

"Our new Vortex Rapid Prep Flap Discs are an ideal upgrade from traditional Rapid Prep single layer hook and loop discs and are a perfect complement to coated flap and fiber discs, generating impressive performance results in blending and finishing," said Mr. Michael Radaelli, Senior Product Manager, Norton | Saint-Gobain Abrasives.

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cation and welding, aerospace, transportation, energy and construction, the new Norton flap discs feature special three-dimensional non-woven abrasive layers. This design ensures uniform finishing with a consistently low surface finish value. In addition, multiple layers of surface conditioning material provide added life, fewer disc changes for better efficiency, and reduced vibration. The discs also feature Norton proprietary Clean Bond® resin technology that guarantees smearfree finishes, even on high nickel content alloys, and reduced loading when cutting aluminum and other softer metals.

Norton Vortex Rapid Prep Type 27 Discs also provide forgiveness and reduced vibration on uneven surfaces for maximum ergonomic use. Discs are offered in 4-1/2" x 7/8" and 4-1/2" x 5/8"-11 sizes in fine, very fine, medium, and coarse grits. For more information, visit https://nortonsga.us/vrpflapdiscs.

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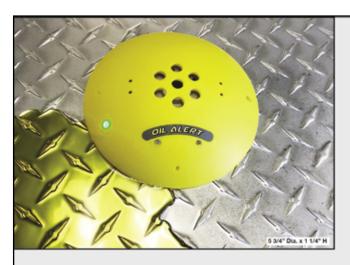
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