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PRESS RELEASE
~ for immediate release ~

Trexel announces partnership with W. Müller for Extrusion Blow Molding Foamed Solutions

*Offering technology and equipment that brings light weighting and PCR content to
bottle production while maintaining required physical properties*

(Trexel, Inc., Wilmington, MA, April 3, 2023) ... Trexel is pleased to announce a partnership with W. Müller GmbH (of Troisdorf-Spich, Germany and Agawam, MA, USA) to supply a physical foaming solution for multi-layer, extrusion blow molded (EBM) containers that offers reduced weight multi-layer EMB bottles. Trexel will provide customers with the physical foaming equipment and expertise, and W. Müller will supply the multi-layer EBM equipment and expertise.

Growing demand for the use of post-consumer content, surcharges on virgin resin and global legislative policy proposals & adoptions are being enforced to create a more circular economy. Recent legislation is requiring minimum recycled content. For example, the recent European Commission Proposal published in November 2022, set forth that by 2030 and 2040 there must be 30% and 65% recycled content respectively. Trexel has been developing solutions to reduce overall plastic consumption and minimize the cost increase associated with PCR content requirements. In addition, Trexel has found a new and unique way to maintain the impact, ESCR (Environmental Stress Crack Resistance) and topload properties of the bottles so it can function in the same way as a solid bottle.

As the technology leader in multi-layer extrusion blow molding, W. Müller supplies essential equipment for the blow molding machinery that includes the parison head, extruders and controls. Founded in 1976, their mission is to make the multi-layer blow molding process more reliable, easier to operate and with low-maintenance components. And at the same time to further develop the process and to be prepared for new materials, article designs and barrier requirements - in short, to push the limits of the process.

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“Trexel offers unparalleled expertise in controlling the introduction of supercritical nitrogen or CO₂ for use in microcellular foaming applications,” says Levi Kishbaugh, President & CEO of Trexel. “Our foaming solutions for EBM containers can be implemented with minimal machine modifications and without license fees. As sustainability has taken center stage in plastics manufacturing, this technology complements the incorporation of PCR as a core layer in a multi-layer bottle and serves to meet brand’s sustainability goals.”

“We accept market challenges. We don't wait for someone to ask,” says Christian Müller, Co-Owner with sister Brigitte Müller. “When we identify trends in the market, we examine what contribution we can make. The close exchange with our customers and our partners like Trexel inspires us to create timely solutions that serve the demands of the day.”

The Trexel/Müller partnership allows for trials to be conducted in technical centers located in North America and Europe, equipped with the latest machinery and advanced engineering support. The foaming technology can easily be retrofitted to an existing screw and barrel.

About Trexel, Inc.

Trexel, Inc., headquartered in Wilmington, MA, has led the development of the MuCell® microcellular foaming injection and blow molding technology and has pioneered many plastic processing solutions. The MuCell® technology provides unique design flexibility and cost savings opportunities by allowing plastic part design with material wall thickness optimized for functionality and not for the injection molding process. The combination of density reduction and design for functionality often results in material and weight savings of more than 20%. The numerous cost and processing advantages have led to rapid global deployment of the MuCell® process in automotive, consumer electronics, medical, packaging and consumer goods applications. Process deployment as well as equipment is supported by teams of highly qualified engineers through Trexel subsidiaries in North America, Europe, and Asia.

Trexel extended its product offering with the TecoCell® system. TecoCell is a unique chemical foaming and nucleating agent technology that provides uniform microcellular structure to molded parts.

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W. Müller US Website
<https://www.mullerheads.com/>

W. Müller GmbH
www.mueller-ebm.com
(Locations in Germany and Agawam, MA)



Multi-layer Extrusion Blow molded bottle produced with the MuCell® Process