

**PRESS RELEASE**

**- for immediate release -**

For more information contact:

Andrea Siy, President

SIY Communications, Inc.

978-465-6363

[andrea@siycommunications.com](mailto:andrea@siycommunications.com)

Brian Bechard, President & CEO

Trexel, Inc.

781-932-0202

[b.bechard@trexel.com](mailto:b.bechard@trexel.com)

## **Trexel, Inc. Introduces the T-400 State-of-the-art MuCell® Super Critical Fluid (SCF) Dosing and Delivery System**

*New T-400 Series MuCell system is ideal for large injection molding applications*

**(Trexel, Inc., Wilmington, MA April 13, 2016)**... Trexel, Inc is pleased to make the premier global introduction of their newly developed T-400 Series. The Trexel T-400 Series SCF (Super Critical Fluid) Delivery System is a state-of-the-art gas delivery and dosing system based on Trexel's patented technology, and built to the most stringent industrial standards. The system is specifically designed for large molding applications of > 2,500 - 12,500 g.

Model T-400 offers cost effective foaming of large injection molded parts. T-400 retains the similar performance standards from its smaller T-series counterparts yet allows for significant advantages for large injection molded parts. Following are some of those advantages:

- Primary material savings due to a density reduction in the material
- Increased opportunity to optimize mold design for significant secondary material saving
- Reduced clamp tonnage requirement enables the purchase of smaller machines which directly reduces initial investment
- Improved dimensions (particularly with Polyolefins) for better tolerances

- Available option for production quality: nitrogen purity control
- Available option for production continuity: dual inlet

The T-400 has been designed to deliver high doses of nitrogen for large parts. The SCF system is capable of delivering 50 grams of nitrogen in a 45 second cycle (0.5% by weight for a 10 kg part weight) and is designed for molding machines with screw size greater than 90 mm.

The Trexel MuCell T-Series SCF (Super Critical Fluid) delivery system is a state of the art Nitrogen delivery and dosing system built to the most stringent industrial standards. The system is designed to convert industrial grade Nitrogen into a super critical fluid. The system precisely doses and injects the super critical fluid into the plasticizing unit of the injection molding machine at a pressure of up to 240 bar, creating a lower density microcellular material structure in the molded plastic part. The T-Series SCF delivery system is designed specifically for the injection molding industry. It produces gas on demand only, minimizing energy consumption and maximizing booster pump life time. It features a technology leading control system with a 15" PC based graphical touch screen user interface. Set up parameters require only the shot size and percentage of SCF content. The system calculates dosing requirements and optimizes SCF delivery during screw recovery. The MuCell T-Series SCF delivery system provides for reliable and consistent microcellular foaming of injection molded plastic parts.

Within the full T-Series from Trexel, the T-100 is available for small shot size molding applications of < 140 g, the T-200 is available for shot sizes 120 – 600 g, and the T-300 for shot sizes 600 – 3000 g.

### **About Trexel, Inc.**

Trexel, Inc., headquartered in Wilmington, MA, has led the development of the MuCell® microcellular injection molding technology and has pioneered many plastic foam

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 instead of injection molding process constraints. 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 recently extended its product offering with the TecoCell® system. TecoCell is a unique chemical foaming technology that provides uniform microcellular structure to injection-molded parts.

For more information, please visit [www.trexel.com](http://www.trexel.com).

® MuCell is a registered trademark of Trexel, Inc

® TecoCell is a registered trademark of Trexel, Inc.

