



**PRESS RELEASE**

**-for immediate release-**

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Hall 13 Stand B46**

***For More Information Contact:***

Andrea Siy, President  
S!Y Communications, Inc.  
978-465-6363  
[andrea@siycommunications.com](mailto:andrea@siycommunications.com)

Steve Braig, President & CEO  
Trexel, Inc.  
781-932-0202  
[s.braig@trexel.com](mailto:s.braig@trexel.com)

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

*New T-Series MuCell system reduces operating costs and provides for simplified set up and operation*

**(Trexel, Inc., Wilmington, MA October 16, 2013)**... Trexel, Inc is pleased to make the premier global introduction of their newly developed T-Series at the K -2013 Show. The Trexel T-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 designed to convert gaseous CO<sub>2</sub> or Nitrogen into a super critical fluid and precisely doses and injects the super critical fluid into the plastizing unit of the injection molding machine, creating a lower density microcellular material structure in the molded plastic part.

This new unit replaces the current Series II system that has provided MuCell users with reliable supercritical fluid (Nitrogen or CO<sub>2</sub>) injection for 10 years. The Series II technology originated with the need for continuous flow for extrusion and injection molding applications.

The New T-Series systems designed specifically for injection molding applications produce SCF **on demand only**. This eliminates any need for hardware mounted on the injection unit (so no interface kit required), and significantly extends the seal life on the booster pumps while **reducing energy consumption**. The optimized booster performance allows for maximum booster life.

The new controls on the T-Series are greatly simplified, and only require shot weight and percentage of SCF content - that is it! The system calculates everything else and optimizes SCF delivery during screw recovery. While the old system control was static, the new system control is dynamic and automatically responds to changes in molding parameters to consistently deliver the exact required dose of SCF. The new system includes a 15" PC based graphical touch screen user interface with graphical diagnostic screens, historical data collection and output via a USB port.

The standard T-Series version is configured for Nitrogen based super critical fluid but an available option allows molders to process either Nitrogen or CO<sub>2</sub>. There is also an option available for inline detection of Nitrogen purity in the gas supply line, assuring Nitrogen purity requirements are met especially in developing markets. Within the T-Series the T-200 is available for shot sizes 120 – 600gr and the T-300 for shot sizes 600 – 3000gr. The introduction of the new T-100 for very small shot sizes and T-400 for large part applications (shot sizes >3Kg) will come in mid 2014.

**View this new system at K 2013**  
**Visit Trexel (Hall 13 Stand B46)**  
**October 16-23 in Düsseldorf, Germany.**

**About Trexel, Inc.**

Trexel, Inc., headquartered in Wilmington, MA has led the development of the MuCell® Microcellular foaming technology and has pioneered many plastic processing solutions. Process deployment as well as equipment is supported by teams of highly qualified engineers through Trexel subsidiaries in North America, Europe, and Asia. For more information, please visit [www.trexel.com](http://www.trexel.com).

® MuCell is a registered trademark of Trexel, Inc

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Please see photo –(hi res file attached separately)

***Caption for Photo:*** New T-Series MuCell system reduces operating costs and provides for simplified set up and operation.

