

September 2019



**Trexel** Experts in Foaming

**MuCell** Physical Foaming Systems

**TecoCell** Chemical Foaming Systems

## Letter From the President

### New Logo, New Solutions, and More



People often ask me 'what's new?' when talking about Trexel. I'm happy to say we have a lot of news to share on our company.

First off, you'll notice that starting with this newsletter we're introducing our new look – a new Trexel logo and company branding. We chose to introduce this now not only because we felt it was time for a logo refresh, but because we are introducing several new technological developments that are making it easier and more cost effective for molders to implement our physical foaming technology.

Check out the article below on our new screw tip dosing module (TDM). We are

excited about this new technology, and so are the molders who have begun using it. TDM provides molders with the ability to implement MuCell more

easily, and less expensively, than ever before.

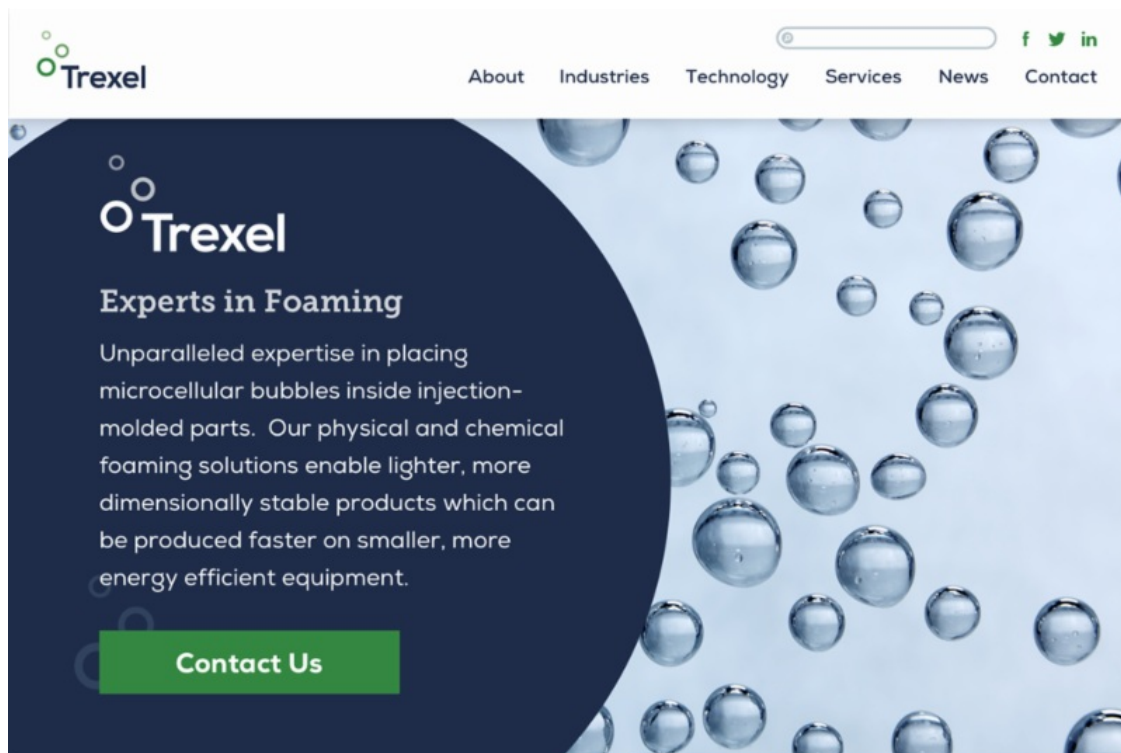
We will once again be exhibiting at the K show, the plastics industry's premier event, which is being held October 16-23 in Dusseldorf, Germany. Watch for more details leading up to the show on many more exciting new developments from Trexel!

Thank you,  
Brian Bechard, President & CEO  
Trexel Inc.

## Company News



# Trexel Introduces New Logo and Branding; Launches All New Website



Trexel Inc. has introduced a new logo and branding, and has launched an all-new website ([www.trexel.com](http://www.trexel.com)).

"We are excited about the rebranding of our company," said Brian Bechard, President & CEO of Trexel. "The time was right for a new logo and imaging." Trexel is the pioneer in physical foaming for the plastics industry. Having worked for many years with leading molders to help produce lighter-weight, more accurate parts at lower production costs, recent new product developments and breakthroughs are making it easier than ever before for molders to incorporate and enjoy the benefits of the technology.

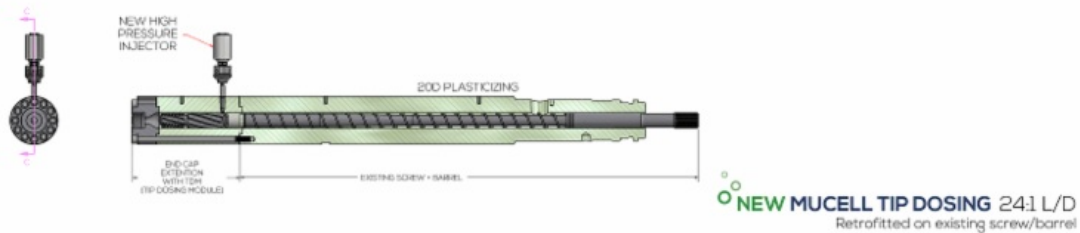
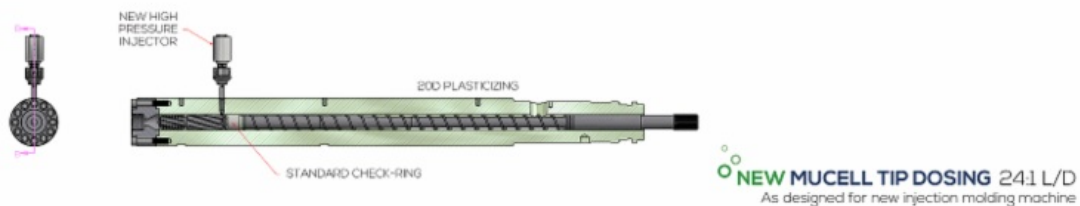
"The rebrand corresponds with Trexel's continued growth into new markets, with new technologies, as physical foaming continues to be adopted by plastics molders worldwide," said Bechard.





## Trexel Introduces New Screw Tip Dosing Module for Easier MuCell® Process Implementation

Trexel Inc. has introduced a new product that provides an additional option for users to implement application-specific microcellular foam (MuCell) molding technology. The new Screw Tip Dosing Module (TDM) allows for optimized process adaption and increased performance, at a low implementation cost.



### MuCell Screw Tip Dosing Module

Trexel's new TDM technology is an important development in physical foaming, which will enable more users to implement MuCell. "This new technology is a real breakthrough for us and our customers," said Brian Bechard, President of Trexel. "It offers a flexible, modular solution and makes it easier and less expensive for customers to implement and realize the benefits of MuCell molding, and will work for both retrofits and new implementation."



## Evaluating the Effect of the MuCell Process on Components Made of Long Glass Fiber Polypropylene Materials

### Summary:

The purpose of this study is to address the question about the relevant effect of the MuCell Process on the impact properties of a long glass fiber molded component such as a door module. The testing technique chosen to identify this affect is multi-axial impact testing.



Multi-axial impact testing of Celstran PP GF40-04 injection molded as solid plaques and those 10% weight reduced with the MuCell Process show that the peak loads absorbed by both test specimens are equal. The parts produced with the MuCell Process show lower energy absorbed as the samples show a reduction in deflection as compared to the solid parts.

The fact that the peak loads to failure are the same indicate that a solid part design to withstand a set of static loads in use can be converted to a MuCell part at a weight reduction of 10% or less, and function in the same manner as the solid design. It is also expected that in the case of an impact event, both the solid and MuCell components would fail with the MuCell component absorbing about 20% less energy.

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## Upcoming Events



**See Trexel at K 2019  
Dusseldorf, Germany,  
October 16-23  
Hall 13, Stand B46**

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