



The foaming experts from Trexel create new dimensions in foaming of molded plastic parts

- First P-Series MuCell system in Life production in Europe
- Innovative Physical foaming equipment from market leader
- MuCell BlowMolding takes off
- Widened range of TecoCell chemical foaming agents

Gummersbach (August 02, 2019) – Trexel will focus on its new products at the K2019 Hall13-booth B46. Highlighth will be the first live demonstration of a P-series for thin-walled packaging parts in Europe. Trexel uses its special tip dosing module (TDM) in the plasticizing unit. Further new developments in the field of automotive blow molding and chemical blowing agents under the TecoCell brand round off the product portfolio presented by Trexel under a new corporate identity.

Next generation MuCell packaging shown in life production

Trexel will showcase it´s new P-Series MuCell system for the first time in Europe in life production at K2019 together with packaging experts partners. At the booth of BMB Spa (Italy), hall 13 booth A33, an injection molding machine type "eKW45Pi" will produce lightweighth MuCell foamed IML containers in a 4 cavity mold. Additional weight savings comes from StackTech "TRIM" part design and represents the today´s edge of weightreduction in thin wall packaging. Machines pages IML and takeout robot will place Verstraete labels in the mold and remove and stack the ready to fill parts on the conveyor belt.

MuCell Tip Dosing Module TDM – A breackthrough in performance and flexibility

The packaging Machine is equipped with Trexel´s lates screw development TDM which lift´s the plasticizing performance and flexibility of MuCell plasticizing units. The TDM will easily be screwed onto a standard screw or any specific screw, to replace the traditional screw tip/ non return valve. In combination with Trexel´s new high pressure MuCell SCF injector it provides significant benefits especially for high performance molding applications, including higher output and less wear.

This flexible TDM module could also be used on any other injection molding machine and screw for automotive, technical or other industries with specific demands for screw design or process, eg. for gentle fiber treatment. Even without aktivated foaming the "MuCell" machine meets the performance of a standard system which allows more flexibility in production.

Lightweight foamed blow molded parts cut costs and provide unique properties



Weight reduction and isolating properties for temperature and acoustics become more and more important in automotive industry for hybrid and electrical cars. Foamed Blow molded airdacts can meet those demands with a huge cost reduction potential. Trexel`s foaming competence for Blow Molding covers MuCell physical foaming as well as TecoCell chemical foaming solutions, supplemented by a comprehensive process know-how for consulting our customers to freach their targets. Trexel´s portfolio covers specific Blow-Molding B-series MuCell equipment for continuous and discontinuous plasticizing Blow Molding machines.

TecoCell chemical blowing agent (CBA) grades also available from Europe

In addition to MuCell physical foaming solutions, Trexel also provides a portfolio of high end CBA´s for specific foaming demands. Trexel is the first company to offer both chemical and physical foaming solutions complete from a single-source supplier. This product range puts the company in an optimal position to help customers choose which applications, given their particular circumstances, are best suited to chemical foaming and which to MuCell, or even to a combination of the two processes. The patented TecoCell chemistry is far superior to traditional foaming agents. Utilizing only CaCO₃ nano particles of 0.08 microns or less, TecoCell produces highly uniform cell structures evenly distributed throughout the molded part. The outcome are components with impressive weight savings, outstanding mechanical characteristics and good surface quality.

Comprehensive Process Experience with a fresh appearance

As the market leader in physical foaming, Trexel provides comprehensive process, application and equipment know-how for foaming processes. With over 20 years of experience in physical foaming, Trexel understands market demands and that is what led to the development of many new foaming solutions over the last years and also in future.

To underline our new approach towards "leading foaming specialits" Trexel has changed their Corporate Identity into a modern and fresh look which will be first seen at K2019 hall 13-booth B46.

The foaming engineering experts from 2limit will also be find at booth hall 13-booth B46 to give our customers comprehensive technical support for all belongings regarding foamed molded parts.

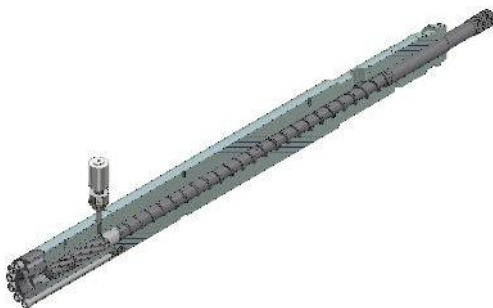
Photos:



Picture : 2018-004_P-300 packaging system Photo HR
Enclosure: P-300 SCF dosing unit for thin-walled packaging



Picture: TDM-Tip-Dosing-Module.jpg
Enclosure: MuCell Tip Dosing Module on a standard screw in long barrel



Picture: TDM With Endcap Module.jpg
Enclosure: MuCell Tip Dosing Module combined with a barrel extension for easier retrofit



Picture: 2018-007_TecoCell.jpg

Enclosure: TecoCell, a chemical foaming agent capable of achieving highly uniform microcellular structures, has been added to Trexel's product portfolio



Picture: 2018-008_Blow-Molding_Air-Duct.jpg

Enclosure: Blow-molded MuCell foamed automotive air duct



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About Trexel

Trexel is in the business of providing technology which places tiny cells of gas in plastic parts, and our passion is manifested in the broader benefits that these micro bubbles can deliver. Our microcellular foaming technology reduces production cost while increasing environmental sustainability. We make it possible for designers to break some of the rules of thermoplastic part design, resulting in design for function instead of design for manufacturability. Our technology enables lighter, more dimensionally stable products which can be produced faster on smaller, more energy efficient equipment. Since 1995 we have been applying our technology to thousands of applications in dozens of industries. We have developed unsurpassed know-how, continuously improved our technology and enhanced our services, growing into the global leader in microcellular foaming technology we are today. We deliver systems for physical foaming injection molding, chemical foaming agents and provide extensive technical advice up to complete handling of engineering projects. Mold trials, services and education or training activities complete our activities.