Satellite Dosing Unit

MuCell

Satellite Dosing Unit: Flexible, low-cost implementation of MuCell for multiple machines.

- Dosing and metering unit uses seperate gas boosting station
- Possibility to upgrade existing MuCell SCF system to use as booster source
- Flexible use and upgrade for almost any production needs
- On-demand system extension

The Trexel MuCell SCF (Super Critical Fluid) satellite dosing system is a state of the art nitrogen dosing and metering system specifically designed to reduce the cost of outfitting several machines in the same plant with MuCell capability. Built to the most stringent industrial standards, the system precisely doses and injects small amounts of SCF into the plasticizing unit of the injection molding machine creating a lower density, stress free microcellular material structure in the molded plastic part. It features a technology-leading control system with a 10" graphical touch screen user interface. Set-up parameters require only the shot size and percentage of SCF content. The system calculates everything else and optimizes SCF delivery during screw recovery. Trexel satellite dosing units are available in T-series (general purpose) and P-Series (high-speed packaging) configurations.

Satellite System

Trexel

MuCell Satellite Dosing Unit

Technical Data

Model	T-S01	T-S00	P-S00
Plasticizing screw size *	18-45 mm	40 mm +	Any
Shot size range *	Below 140 g	Above 120 g	Any
Min SCF dose (N_2)	60 mg	600 mg	100 mg
Max. discharge pressure	345 bar	345 bar	345 bar
Satellite SCF system Overall dimensions WxDxH	50.2x65.1x127 cm		
Weight	102 kg		
Electrical connection	230/110 VAC 1 ⌀ 50/60 Hz 1.6A		
Compressed Air consumption	6,5-10 bar – <15 NL/min – 10 mm		
SCF Gas connection	17,2 – 200 bar – 8 mm		
Max distance from IMM	6 m	10 m	6 m

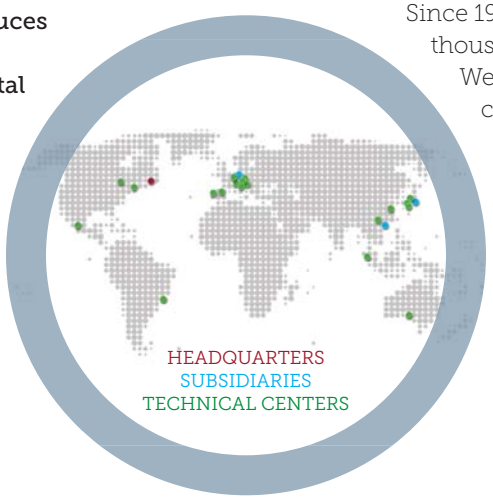
*Guidelines only – For application specific system selection please contact Trexel.

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.**

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.



Trexel

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