

ProTec Polymer Processing at Fakuma

August 26, 2015

[ProTec Polymer Processing](#) will showcase a full range of high-performance, energy-efficient integrated system solutions for efficient material handling, including conveying, drying, dosing and mixing, at Fakuma 2015.



ProTec will introduce the new energy-efficient large SOMOS T140 eco auxiliary dryer with its updated design. In addition, ProTecs new high performance SSP reactor for the solid-state post-condensation of plastics, which is optimised in terms of system and process engineering, will be highlighted at the trade fair. Finally, following the [recent acquisition of PolymersNetGmbH](#) of Lampertheim/Germany, ProTec will present their LFT (long-fibre-reinforced thermoplastics) systems platform. Customers now will have a single source for the design, machine building and system installation of high-performance turnkey systems for producing LFT.

New top of the range auxiliary dryer

The new SOMOS T140 eco auxiliary dryer provides higher material throughput to the SOMOS T/TF eco series of mobile dry air dryers. Offering hopper volume of 400 l and dry air throughput of 140 m³/h, it is a distinct step up from the five previously available auxiliary dryers with effective volumes ranging from 30 l to 300 l, which is also reflected in the updated design. The new dryer also features an updated touchscreen controller, which offers numerous drying parameters tailored to the specific material as well as versatile documentation functions.

Like all SOMOS auxiliary dryers, the new T140 eco consists of a dry air generator and an insulated stainless steel drying hopper. To minimise energy consumption, the dryer is equipped with energy-saving technology which SOMOS dryers are known for. Features include automatic adaptation of drying air volume to material throughput (ALAV) and the SUPER SOMOS control mechanism for adapting desiccant regeneration to the

particular moisture loading of the adsorbent. Drying temperatures of 60°C to 140°C at a drying air dew point temperature of -35°C are standard while a high-temperature version is also available for drying temperatures of up to 200°C.

ProTec Polymer Processing GmbH based in Bensheim, Germany, has been a recognised partner to [plastics processing and manufacturing](#) companies for many years. The service portfolio includes systems for efficient handling of plastic materials, turnkey systems for solid-state post-condensation of plastics, recycling plants as well as complete systems for producing long-fibre reinforced thermoplastics (LFT pultrusion lines). As a member of the Schoeller Group, ProTec Polymer Processing has access to a global sales and service network and offers an optimum infrastructure for comprehensive on-site customer support