

Sulzer XPET Foam Extrusion technology



PET foams have a very high potential to replace today's PS foam standards, they will become the new state of the art foam material in short-term. Thanks to their remarkable properties, PET foams offer perfect solutions for various application industries.

Advantages

- Lower carbon footprint than XPS, XPE and rubber
- Use of up to 100% recycled PET
- Enhanced mechanical properties
- Better thermal insulation features
- Higher temperature resistance
- Higher resistance against moisture and chemical solvents

Special technical features

- Twin screw extruder technology ensures fast melting and homogeneous mixing without fluctuations
- Short start-up sequences thanks to operation with optimized melt cooling system
- Special temperature control algorithms are preventing over- and undershooting of temperature set-points



Wide range of applications

Packaging industry:

- Replacement of XPS trays for fruits and vegetables

Food industry:

- Microwavable food trays

Green power generation:

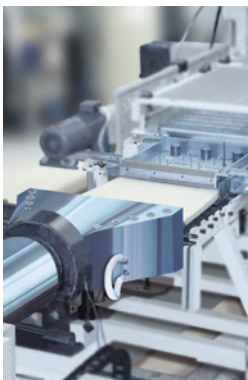
- Composite material for windmills

Solar industry:

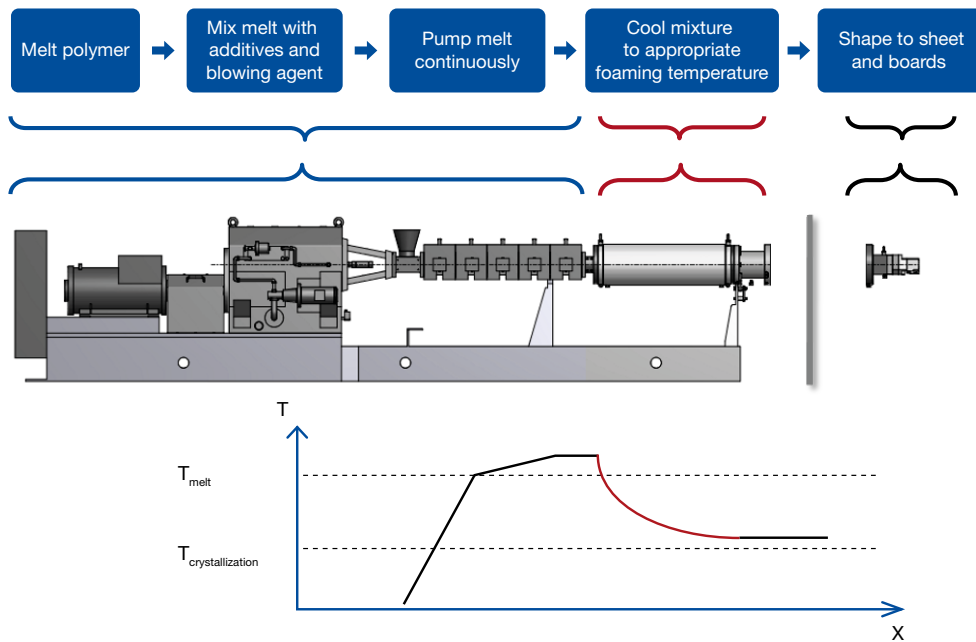
- Insulations for fluid temperatures above 100°C

Automotive industry:

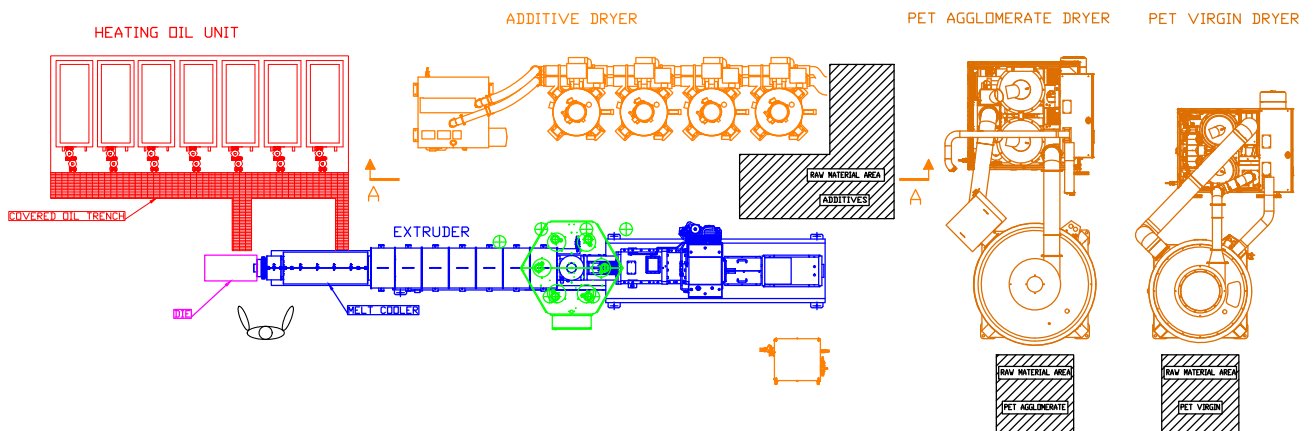
- Refrigerated food trucks, mobile homes



State of the art PET foam extrusion process for sheets and boards



Typical layout of key components for PET foam extrusion unit



Extrusion lines available for sheet and board applications

Process definition	Density range* [kg/m ³]	Capacity [kg/h]	Thickness [mm]	Width [mm]
S 250	200–350	200–250	1,5–3,0	1050
B 500	50–200	400–500	50–70	700 / 1200

* Depending on blowing agents (e.g. Cyclo-Pentane, Carbon-Dioxide, Iso-butane)

How can we help you?
Contact us today to find your best solution.

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