

Sulzer Chemtech PLA Technology

We are the global market leader in innovative mass transfer, static mixing and polymer solutions for chemicals, petrochemicals, refining and LNG. We are steering the way in ecological solutions such as bio-based chemicals, polymers and fuels, recycling technologies for textiles and plastic as well as carbon capture and utilization/storage, contributing to a circular and sustainable economy.

Amongst a wide variety of technologies for the continuous manufacturing of polymers, we offer a complete plant solution for a PLA polymerization process.



The Sulzer Chemtech plus

- Highly efficient polymerization process using Sulzer's advanced static mixing and heat exchanger and low maintenance costs due to installation of mainly static equipment
- Fast product transitions between different PLA grades due to short residence time
- Fully scalable to different plant capacities
- Competitive production costs

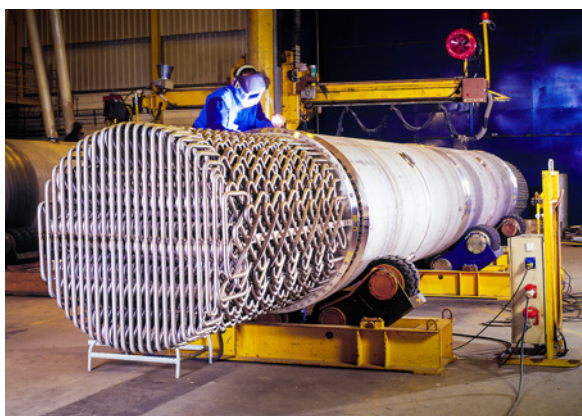


Main applications

- Thermoforming: packaging for food industry, glasses, straws
- Fibers and non-wovens: t-shirts, blankets, carpets
- Film: single use gloves, bags, agricultural films
- Injection Molding: computer cases, cutlery, car parts
- Bottles: detergent or beverage
- Roto molding: car and machine parts
- 3D printing: filament for 3D printers

Sulzer continuous PLA technology highlights

- Solvent free: Handling of very high viscosities in Sulzer's proprietary mixer reactors
- High productivity: Continuous process with less than 2 hours reaction time
- Safety: Excellent reaction control thanks to SMR™, SMX™ and SMXL™ technologies
- Precision: Precise reaction temperature control thanks to the equipment geometry and inserts allowing an efficient energy dissipation as well as perfect melt mixing thanks to the unique geometry of the reactors



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

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