

Transferproject

New Channel Geometries for Spiral Mandrel Dies

Problem

- High residence times within the spiral distributor lead to long purging times and high waste quantities, e.g. during color or material changes
- Today's spiral mandrel dies have barely changed since the 1960s
- Further optimization requires concepts outside the previously defined geometric boundary conditions

Objective

- Improvement of the purgeability of spiral mandrel dies using novel channel geometries
- Findings and improvements from previous DFG projects are to be made available for industrial practice

