

# Simulation of the Molten Glass Sheets Flow

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## Abstract

Thin glass sheets have nowadays a lot of commercial applications. An optimal functionality of the production of such glass sheets depends on the flow control of the molten glass. The uniform distribution of the molten glass to sheets of exact thickness and width depends on the geometry of the production device. The geometry must be based on fluid dynamics to control the process.

A parameterized geometry was built in COMSOL Multiphysics® for the simulation of an optimized flow of molten glass.

## Reference

1. S.M. Dockerty. Sheet Forming Apparatus. U.S. Patent 3,338,696, 1967.