



Save the Date : June 18 & 19
2025 - Lyon

Twin Screw Course 2025

Using twin screw simulation for industrial applications

What is it?

The twin screw course is a 2 day demonstrating the usefulness of the simulation technology for the optimization of the twin screw extrusion processes. The course covers two main topics :

For who?

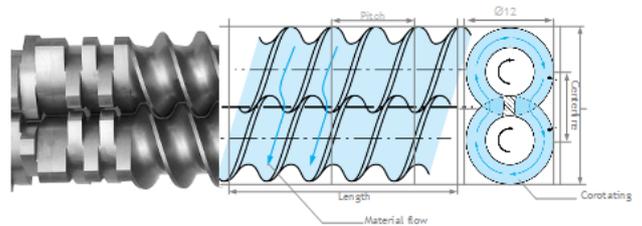
Process, R&D or R&T engineer in plastics, compounding, masterbatch production, recycling or hot melt extrusion in pharma industry

Reminder about the mechanisms and principles of extrusion

Practicing with the Ludovic® software

For What?

The TSE establishes a real link between the fundamentals of extrusion process and the simulation tool. The course allows to acquire the knowledge to operate the Ludovic® software.



SCIENCES
COMPUTERS
CONSULTANTS



Provisional agenda

Ludovic® : a must-have tool

Why using numerical simulation? Below are some industrial application examples

- ◇ Line/formulation validation
- ◇ Screw design optimization
- ◇ Scale up/scale down
- ◇ Reverse engineering
- ◇ Process optimization for saving time/money

Reminder about the mechanisms and principles of extrusion

Reminders about the continuum mechanics, rheology and thermal behaviour

Flow calculations in screw elements and kneading blocks

Differentiation and markers of dispersive/distributive mixing

Example of industrial applications (Recycling, scale up, screw profile optimization, Reactive Extrusion...)

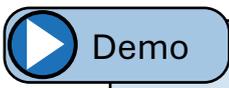
Practicing with the Ludovic® software

Resolution of physical equations
Principles of computations

Defining your first TSE simulation

Performing a scale up : from a 24mm machine to a 53mm machine

Optimizing screw profile for increasing mixing efficiency

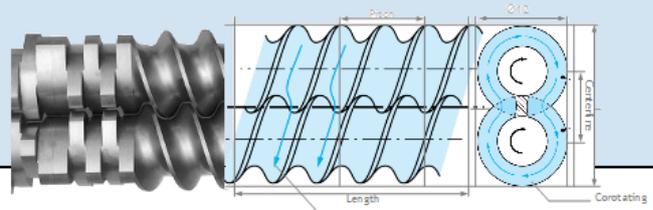


Exclusive preview : Optimizer module



Used for optimizing a configuration from a reference simulation, the Ludovic® Optimizer proposes a set of optimized screw profile/operating conditions according to degrees of freedom and criteria set by the user.

Discover as a preview this new Optimizer module in a live demo



The Place : Lyon– Hotel NH Airport

NH Lyon Airport



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How to attend : Two Packages

SILVER PACKAGE
Participation to the 2 Day TSC Seminar
Coffee breaks and lunches
Seminar Diner

1100€/Attendee*

GOLD PACKAGE
Silver package
+
2 month license Ludovic® software

2100€/Attendee*

Early Registration

Benefit from 200€ discount per package for early registration (until May 20, 2025)

Registration

Online registration at :
<https://www.sconconsultants.com/panier.html>



Contact SCC

scc@sconconsultants.com
or +33 4 77 49 75 83

1. Select the Twin Screw Course Event
2. Select the number of attendees (Silver or Gold)
3. Validate

