SCIENCES
COMPUTERS
CONSULTANTS

Ludovic®

V7.1
new release

Ludovic® is a virtual extrusion lab designed for optimizing the **corotating twin screw extrusion** process.

The **V7.1 new release** proposes new evolutions and improvements.
Ludovic® v7.1 definitive edition will be released in **Summer 2022**.
In this release :

Evolutions

Tandem extruders
Devolatilization
2D Kneading Blocks analysis
Blister ring integration
Mixing effiency new map

...

New results (density evolution)
Import/export/Backup features
more robust
New material analytical law
...

Improvements

Replace **trial & error** with numerical simulation to save **time & money**

v7.1 main new evolutions

Among the main evolutions into the Ludovic® software v7.1 :

Tandem Extruders

Two twin screw can be set in serie (one feeding the second one). Thermo mechanical history of the material is computed according so.

Devolatilization

Ludovic® now takes into account the solute concentration (solvent, calalysts…) of a product. The devolatilization into the air is now computed.

2D Kneading Blocks Results

For an enriched analysis of the pressure/shear distribution in Kneading Blocks, a new 2D map is available as a result.

New mixing efficiency map

Determine your desired mixing efficiency profile

v7.1 main improvements

Among the main improvements :

Import/Export/Backup features

Improvements have been integrated to make those security actions more robut.
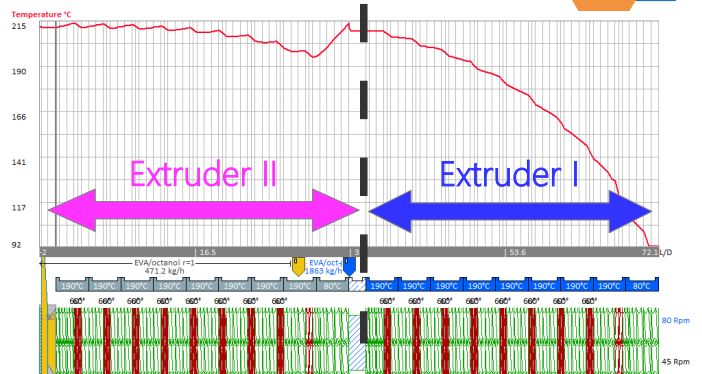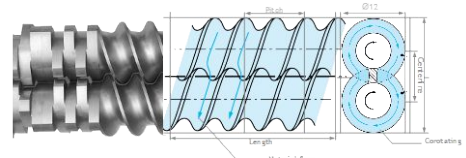
Density

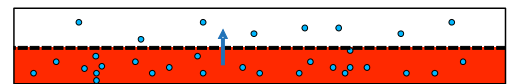New result describing the product density evolution is now available, as a f(x) result.

… and many more

eSupport site

Follow up the complete list of evolutions and new improvements on our eSupport site :
https://support.scconsultants.com

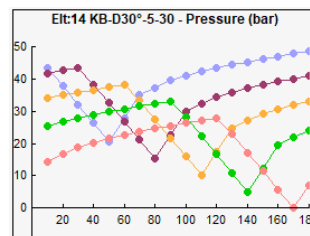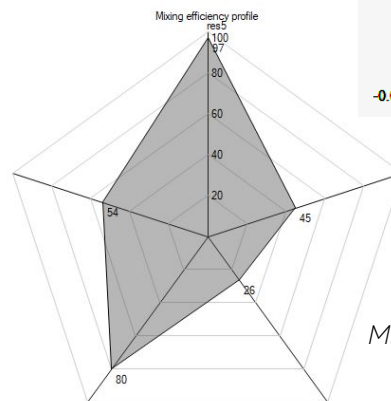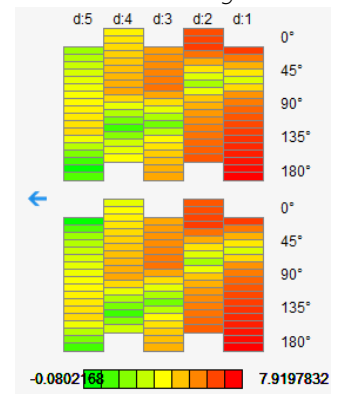Developed with

Tandem Extruder results

Matrix   Air   Solute   Diffusion

Devolatilization principle

Above : Pressure values on the different disks (on a given Kneading Block)

Below : Maps of pressure distribution In a Kneading Block

-0.0802168   7.9197832

Mixing efficiency radar map in Ludovic®

Replace **trial & error** with numerical simulation to save **time & money**

SCIENCES COMPUTERS CONSULTANTS