



ROBUST CRYSTALLIZATION PROCESSES

- Batch, fed-batch and continuous
- Dynamic and steady-state
- Solids, liquid and vapour systems
- Scale-up
- Reduced batch-to-batch variability
- Recipe optimisation for increased asset utilisation

Advanced
process
optimisation

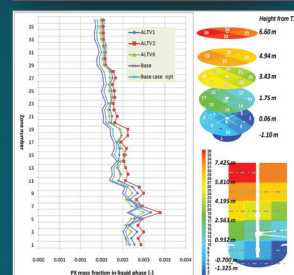
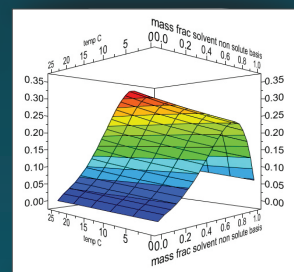
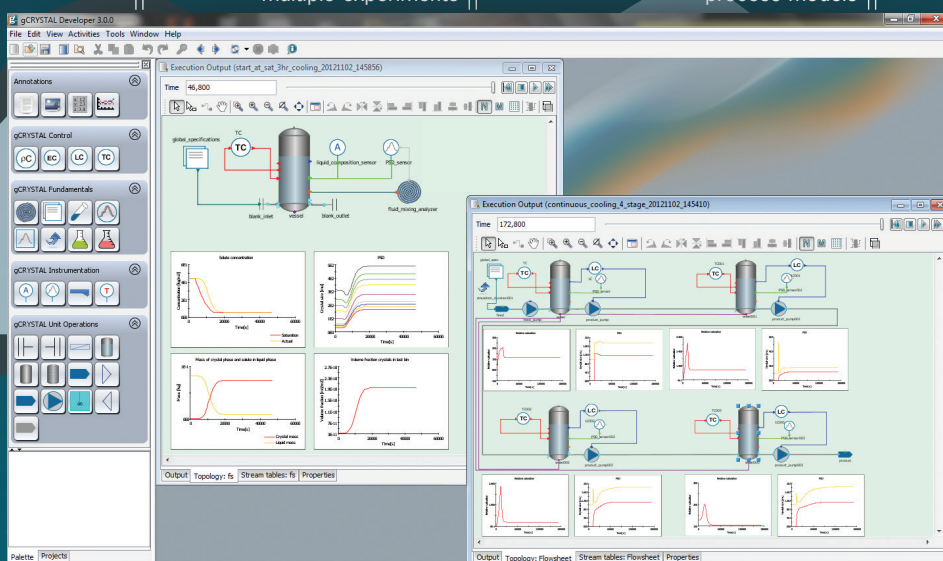
Batch, semi-
batch and
continuous

Advanced
parameter
estimation from
multiple experiments

Antisolvent,
cooling,
evaporative,
reaction

Integration with
downstream gSOLIDS
or upstream gas-liquid
process models

Classified
outlet
streams



Population
balance
modelling

Nucleation, growth,
agglomeration,
attrition

Control
models

Analyse and
optimise operating
procedures

Businesses use gCRYSTAL® advanced process models, validated against lab or plant data, to enhance design, scale-up and operations and to facilitate breakthrough innovation for their crystallization processes.

gCRYSTAL is developed in close co-operation with lead users in the pharma, chemicals and food industries to combine the power of Advanced Process Modelling with a user-friendly interface for scientists and engineers.



The Advanced Process
Modelling Company

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Food & Consumer

THE POWER TO BE CERTAIN