

FLEXSHUTTLE QC

Fully Automated Solution for Quality Control



FLEXSHUTTLE is the step-changing solution for product development and quality control workflows.

The modular design enables significant efficiency increase combined with high quality and maximum ease of use.

Design your automated laboratory

Navigate on the system with shuttles

Model, execute and control multiple workflows



KEY BENEFITS



Increase throughput



Enhance reproducibility and quality



Reduce raw material consumption and waste



Optimize costs



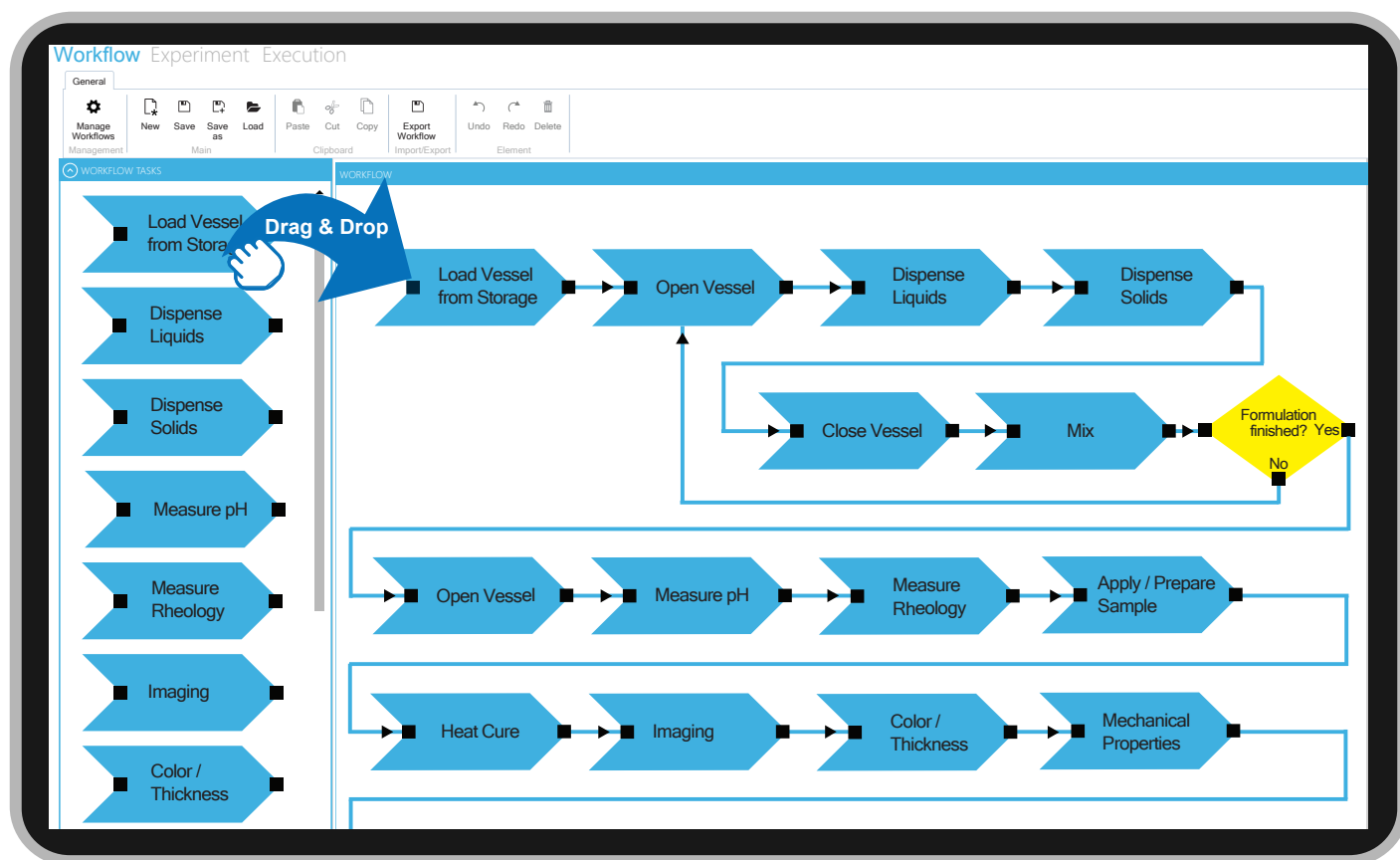
Reduce time to market



Boost innovation

FEDERATED SOFTWARE SOLUTION

ARKSUITE workflow management software enables quick design, execution, analysis and reporting.



KEY FEATURES



Create workflow templates



Interact with 3rd party systems



Make decisions in real time



Import / export run data



Tweak any parameter

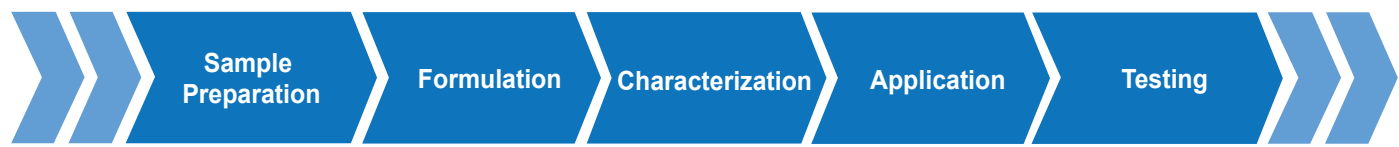


Integrate with LIMS or ELN



Track samples with barcodes

EXEMPLARY WORKFLOW



Dashboard / Gamification of R&D

Application

Draw down Heat curing

Spray airborne

Characterization

Rheology

Particle size distribution

pH measurement

And more...

Sample Preparation / Formulation

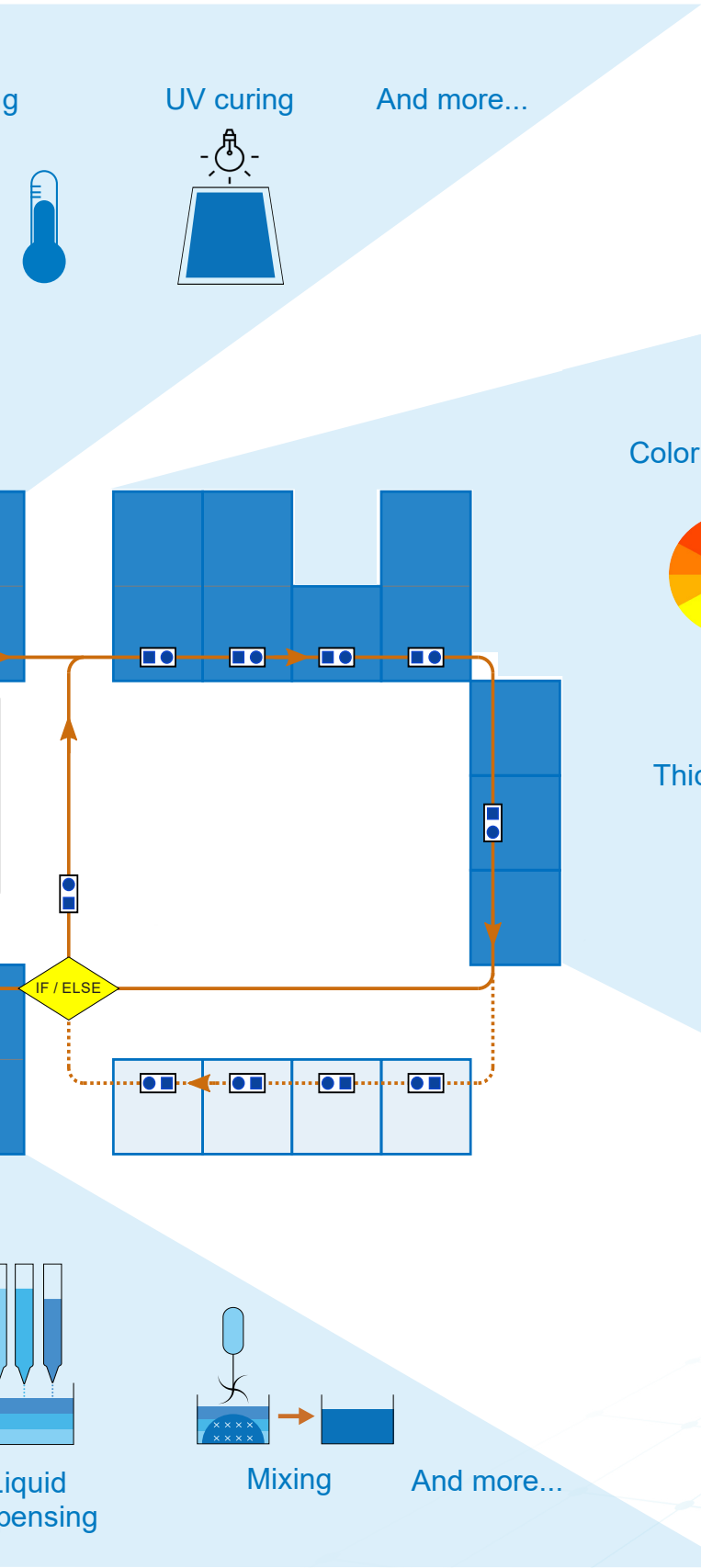
1 2 n

Solid/powder dispensing

L disp

EXEMPLARY LAYOUT (MODULAR ACCORDING TO YOUR LABORATORY SIZE)

Easily expanded at virtually any time (higher throughput, modified specifications, features, workflows, etc.).



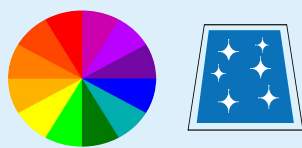
EXEMPLARY THROUGHPUT

120 - 300+ samples per day
(depending on detailed specifications)

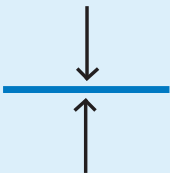
Testing

- Density
- Viscosity
- Solid content
- Tack
- Profilometry
- And more...

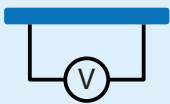
Color / gloss measurement



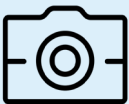
Thickness measurement







Conductivity



Imaging



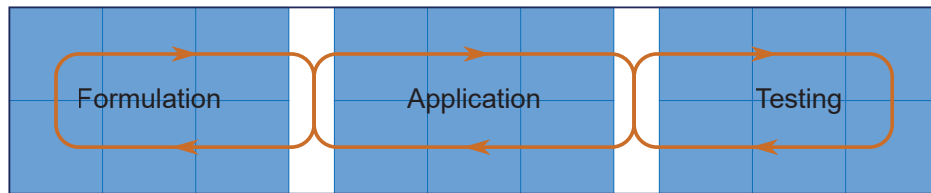
-  FLEX module
-  Extension / Option
-  Shuttle
-  Shuttle rail

MEET DIFFERENT NEEDS WITH ONE CONCEPT

Bring different departments, ideas and knowledge together for a cost-effective fully automated solution.

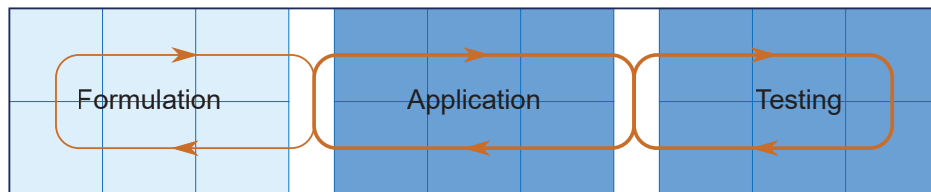
Research & Development

Screen raw materials and process parameters.
Develop and optimize formulations.
Characterize and test formulations and coated substrates.



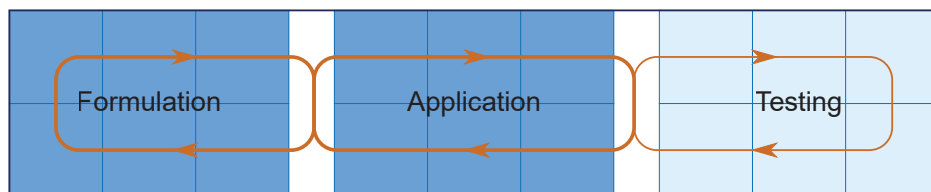
Quality Control

Complete formulation, apply and characterize / test samples for final release of production batches or production control.



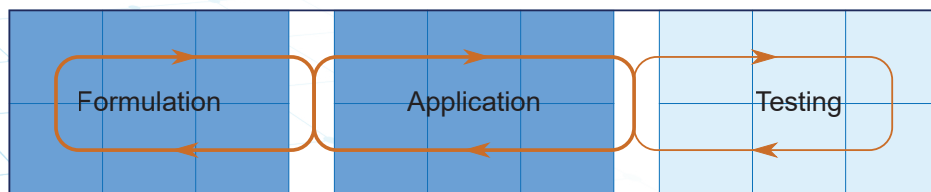
Procurement

Evaluate / validate raw materials suppliers.



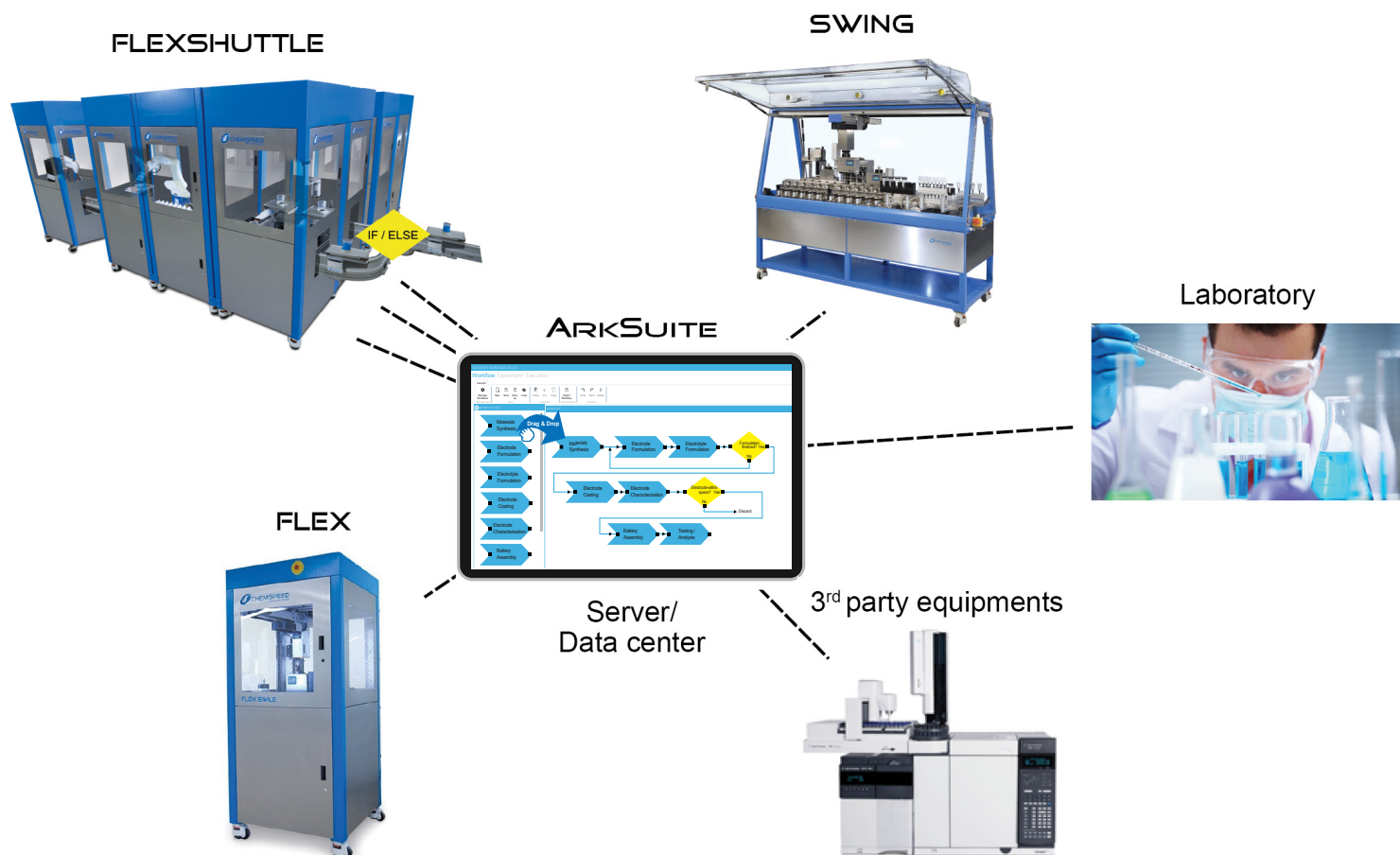
Marketing

Produce samples for your customers.



BUILD UP YOUR FEDERATED LABORATORY

Orchestrate laboratory tasks across many systems with **ARKSUITE** software. Perform independent workflows and link them with central data management.



Virtually connect systems located anywhere



Manage experiments, inventory and results



Design and execute dynamic workflows



Pilot all systems centrally

YOU COULD ALSO BE INTERESTED IN:

FLEXSHUTTLE COLMATCH	Color blending and color matching	FLEX RHEO	Rheology measurement
FLEXSHUTTLE PAINTS & COATINGS	Paints & coatings development and quality control	FLEX DRAW DOWN	Wet film application on flat substrate
FLEX POWDERDOSE	Gravimetric dispensing system for small to large amounts of powders	FLEX SPRAY	Wet film application by spray



Swiss Quality Products
An International Team of Highly
Experienced Chemists

More than 20 Years of Experience in
Automated Experimentation
Customized Workflow Solutions

Chemspeed Technologies is the leading provider of high-throughput and high-output research & development workflow-solutions from single bench-top / standalone automated workstations (powder dispensing - sample preparation - synthesis - process development - formulation - application - testing) up to complete and integrated product development workflows for the entire product development processes in the chemical, material science, renewables & energy, pharmaceutical, agrochemical, specialty chemical, home care, cosmetics and nutrition industries, as well as academia.

