

Basetwo for Beauty & Personal Care Process Optimization



Optimize Process Setpoints:

Determine optimal setpoints to ensure desired final product quality, cost reduction, and increased efficiency.



Formulation Optimization:

Easily change constraints, re-optimize, and compare different formulation scenarios.



Quality Control:

Real-time quality control tracking to prevent deviations and maintain consistency across batches.

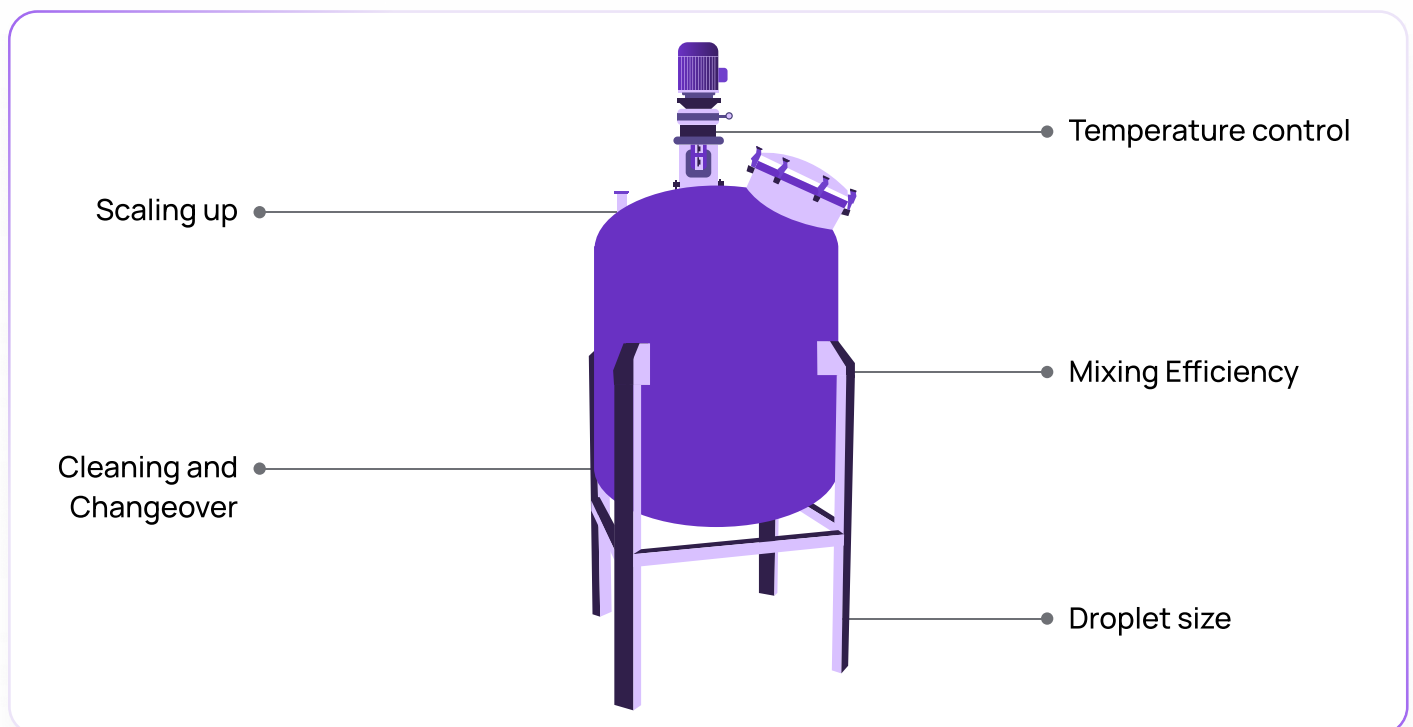


Production Scale-up:

Virtually experiment with scale-up set points to ensure “right first-time” manufacturing.

Basetwo’s Use Case with a Fortune 500 Beauty Company: Optimization of the Emulsification Kettle

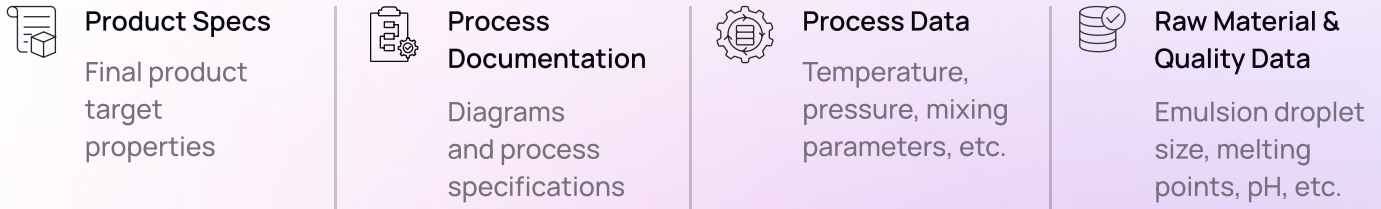
Emulsification kettles play a crucial role in creating stable, high-quality emulsions efficiently and consistently at an industrial scale. AI-driven process optimization can enhance the efficiency of emulsion kettles by determining the most effective methods to achieve:



Emulsion Kettle Optimization for a Fortune 500 Beauty Company

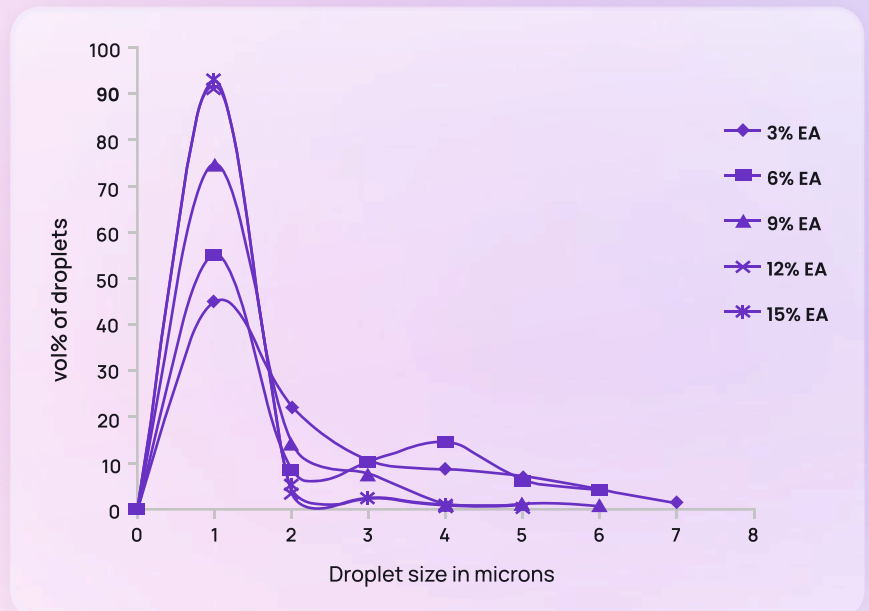
With Basetwo, this Fortune 500 customer was able to model their emulsion kettle by connecting various data sources to AI models to achieve the desired product characteristics.

1 Integration of internal specifications and data into Basetwo



2 Simulation of a physical process within a virtual environment

The emulsification kettle was modeled within the Basetwo platform and used to perform “what-if” analyses for various kettle setpoints.



3 Basetwo runs rapid optimization to allow teams to:



Predict final product qualities based on the raw materials and process set points



Understand the influence of process parameters on quality & assess feasibility of formulation development

Explore how Basetwo can help reduce costs and increase efficiency for your team.

Reach out today!

 contact@basetwo.ai