EXAMPLE PROCESS CHALLENGES IN NANOSUSPENSION FORMULATIONS AND APPLICATIONS

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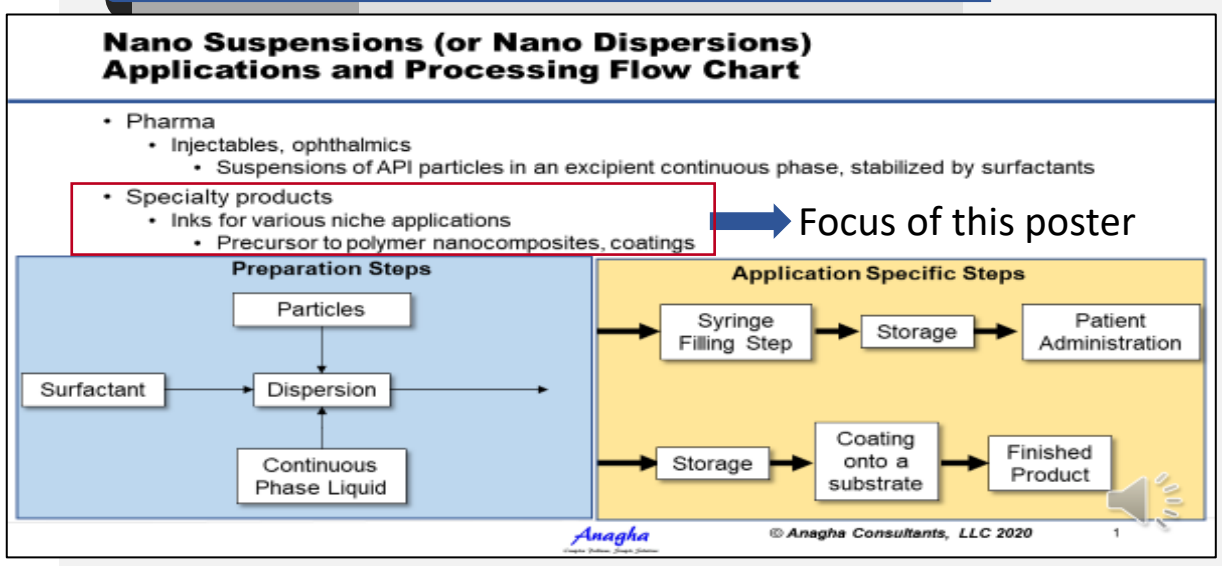
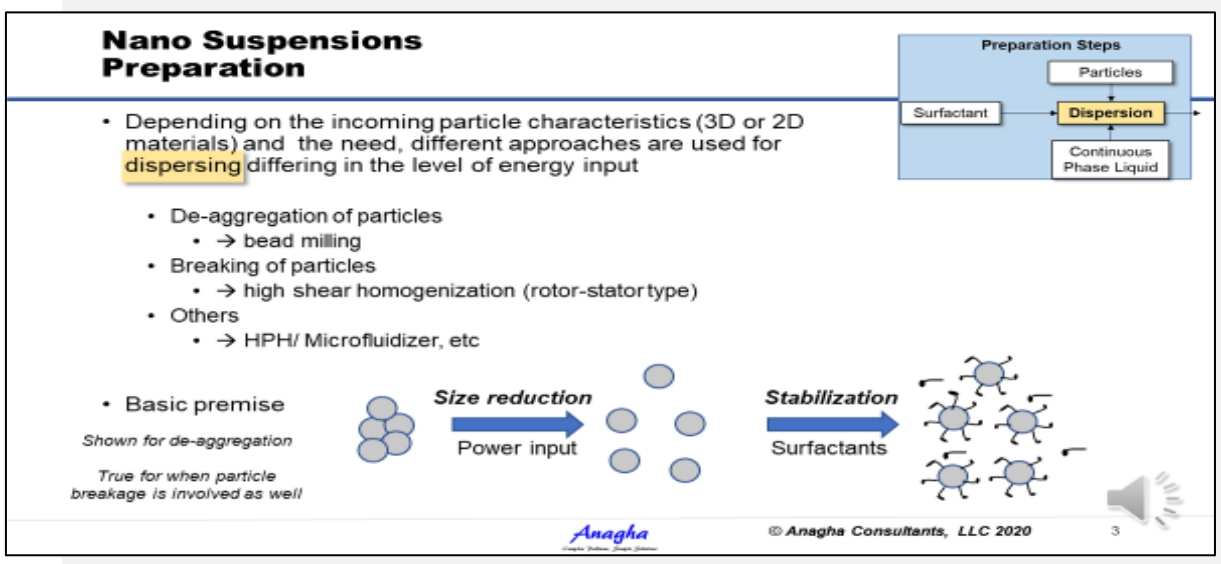
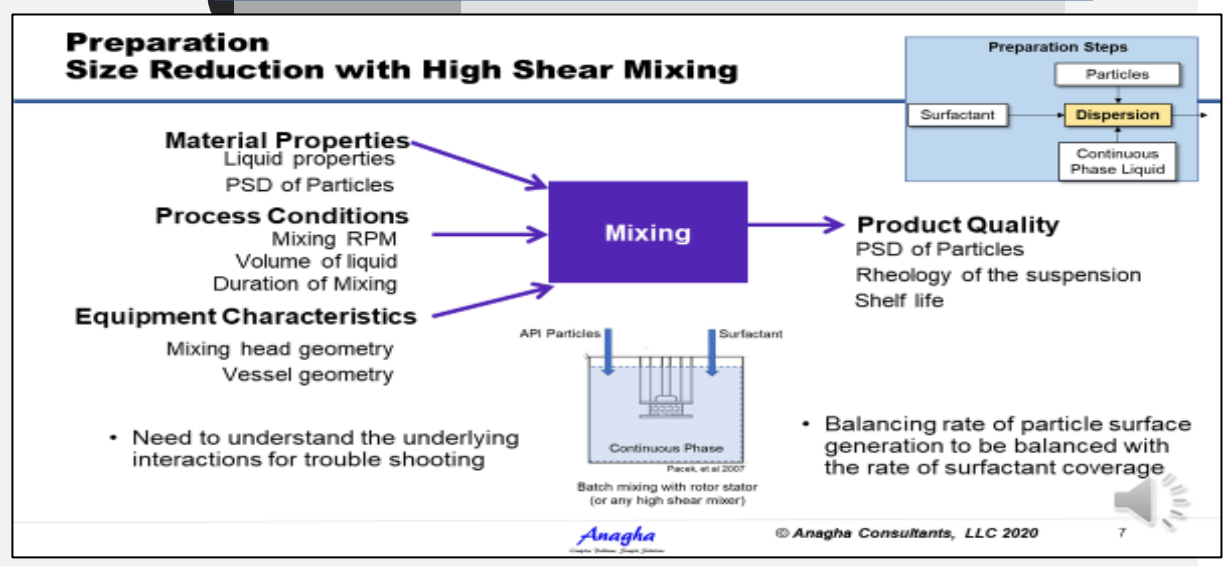
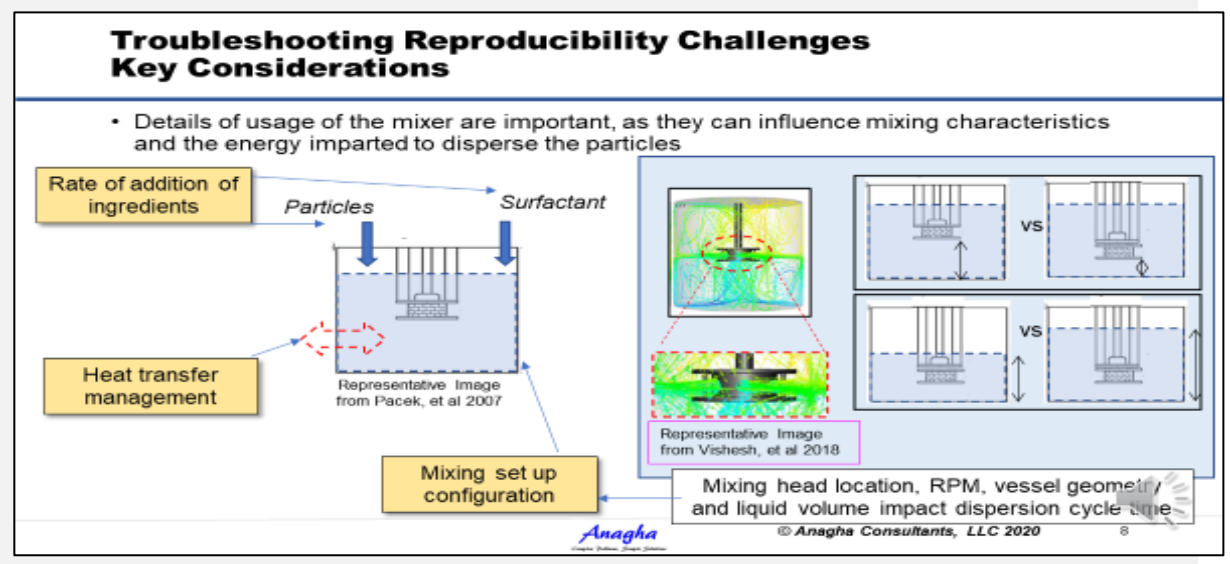
Introduction





Troubleshooting Challenges





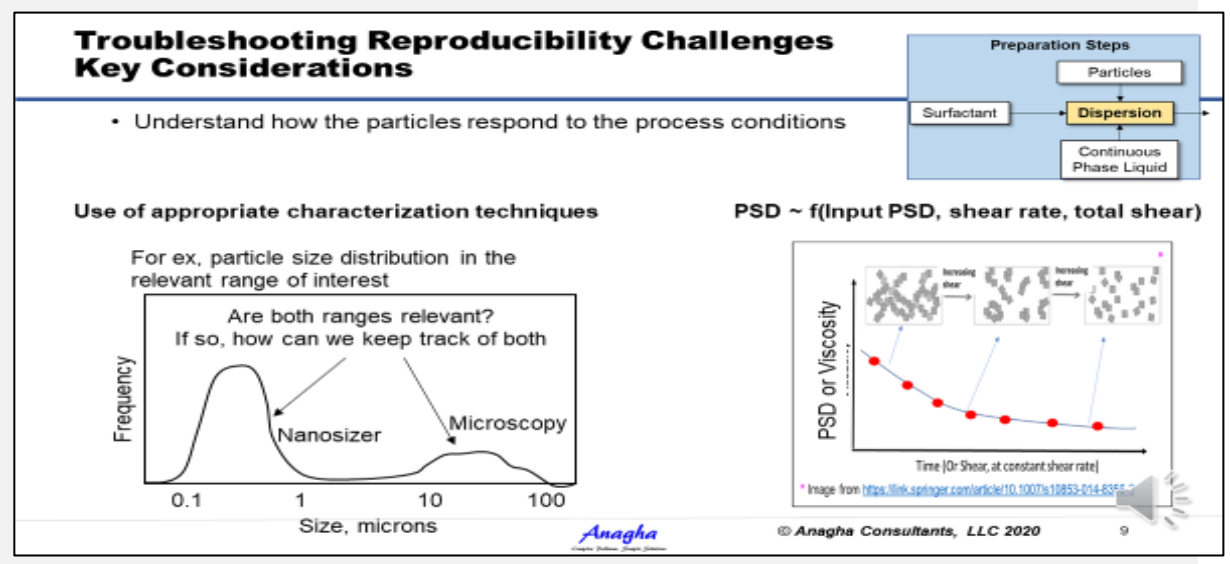
Process Challenges

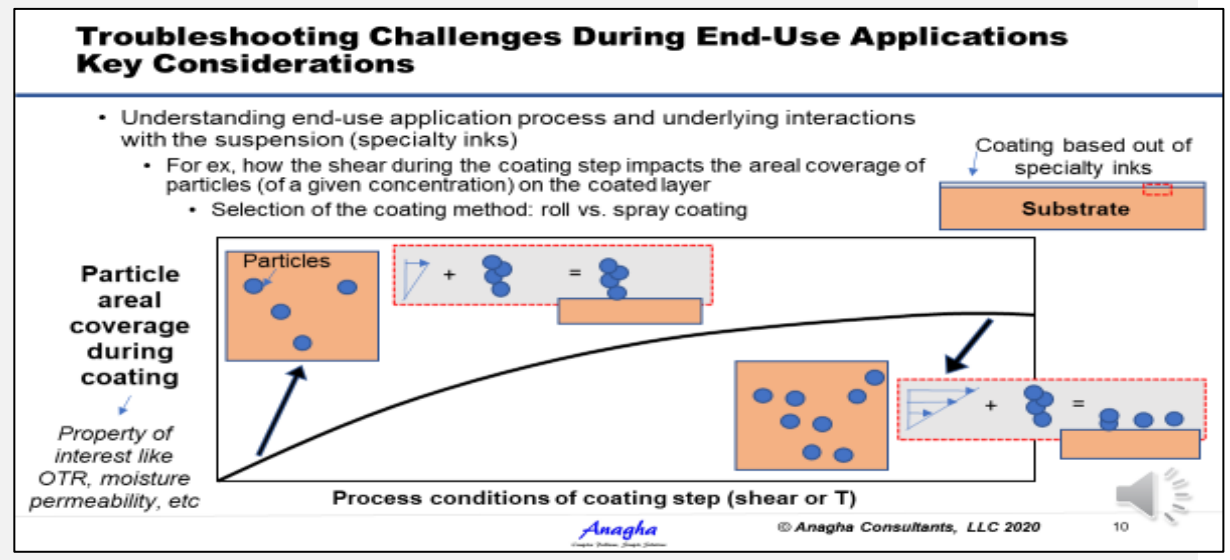
Dispersion Preparation

- Reproducibility at lab scale
- Translating to larger scale

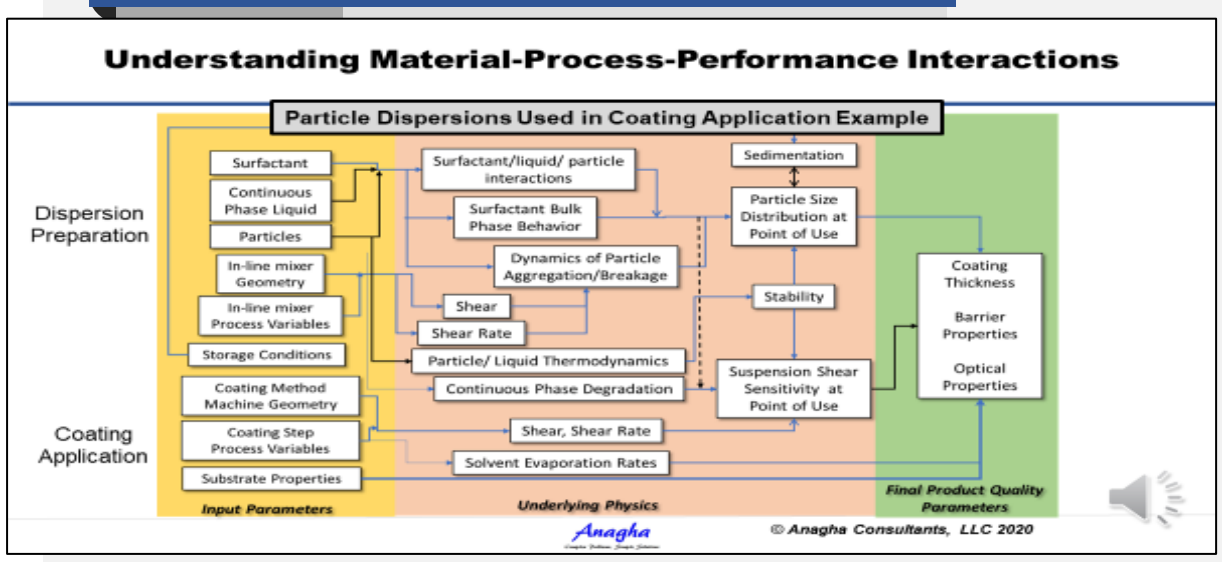
End-Use Application (for ex, Coating Inks)

- Product with the right quality
- Decision making on the right equipment
- Fitting the process to the existing equipment





Focus on Vitals



Key Takeaways

Process challenges exist at both steps

- Preparation of nanosuspensions
- End-use application stage (for ex, coating)

How to overcome?

- Attention to detail with an eye on the materials-process-performance interactions