

Solution Delivery for High Precision Coating

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In today's high-tech, go faster, coat thinner, high-value, high precision, and zero-defect environment, the need for sophisticated solution delivery systems is greater than ever. This presentation will cover key design considerations for solution delivery processes including:

- Deaeration
- Filtration
- Flow and Temperature Control
- Mixing
- Purging
- Cleaning and Product Changeover.

The need for upfront understanding of coating solution properties such as rheology, solubility, filterability, and fouling propensity will also be discussed.

A case study will be presented in which lean principles were applied to the solution delivery portion of a product changeover sequence resulting in substantial changeover time reductions.