

Product Drying: Fluid Bed

P-382

For Spray Dryer Installation P-Engineering designs

- Product prep. / conditioning and feeding System.
- Hot Air Supply System
- Hot Air Extraction System with Fabric Filter and Cyclones
- Explosion Relief System with ducting and dampers
- CIP Systems
- Product take-out and handling.

ATEX

Handling of ATEX issues in relation to both Fluids and Powder

Design

Design works covers e.g.,

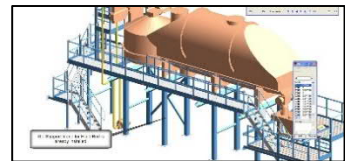
- Pipe Design
- Duct Design
- Structural Steel
- Platforms, Catwalks etc.
- Equipment Static and Rotating Specification
- Equipment Design – Vessels, Cyclones, Fabric Filters, Air Heaters
- Instrumentation
- Cabling – Signal and Power
- MCC and Power Distribution

P-Engineering uses e.g.

- [AVEVA PDMS](#) Software for 3D design
- [DXT](#) Software for EN13480 Pipe Design
- [Pipeflo](#)® for Piping and Pump Sizing
- [SolidWorks](#) for Detail Design of Process Vessels

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Pictures from a Lactose factory with arrangement and installation of fluid bed during construction.