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PLBS Series Packaged Liquid Blend System

Integrated Flow Solutions Packaged Liquid Blend Systems are designed to minimize on site installation costs by modularizing the complete Liquid Blending System - kettle, mixer(s), material lift, PLC controls, instrumentation, & electrical switchgear. Packaged Liquid Blending Systems are used for blending solid or granular polymers in a liquid base material. Typical applications include blending finished products such as motor oil base stock, asphalt extenders, paint and adhesives.

Industries

REFINING

CHEMICAL

GENERAL

BLENDING

Benefits

- *Single Source Accountability*
- *Pre-Packaged Modular Design Costs Less Than Component Based Site Built Which Reduces Overall Project Cost*
- *Minimizes Field Erection Time - Shorter Overall Project Delivery Schedule*
- *Complete System Controls Function Testing Prior To Shipment*
- *24/7 Customer Service*

Industry Standards

- *External Heating Coils Designed To ASME Section VIII & National Board Registered*
- *Piping Designed To ANSI B31.3*
- *Pipe Fabrication To ASME Section IX Procedures*
- *Structural Steel Assembly Designed To AWS D1.1 & AISC*

Standard Features

- *Blending Types*
  - *Silverson® Bottom Entry Disintegrator With Inline Mixer*
  - *Rubber Mill With Blade Agitator*
- *External Half Pipe Kettle Heating Coils*
- *Polymer Material Lift*
- *OSHA Compliant Work Station*
- *Finished Product Sampling Station*
- *Kettle Exhaust Containment/Management*
- *PLC Controls With HMI*
- *Equipment Prefitted Prior To Shipment*
- *Area Seismic Structural Calculations*
- *Site Interface Engineering*
- *Multi Polymer Capable*

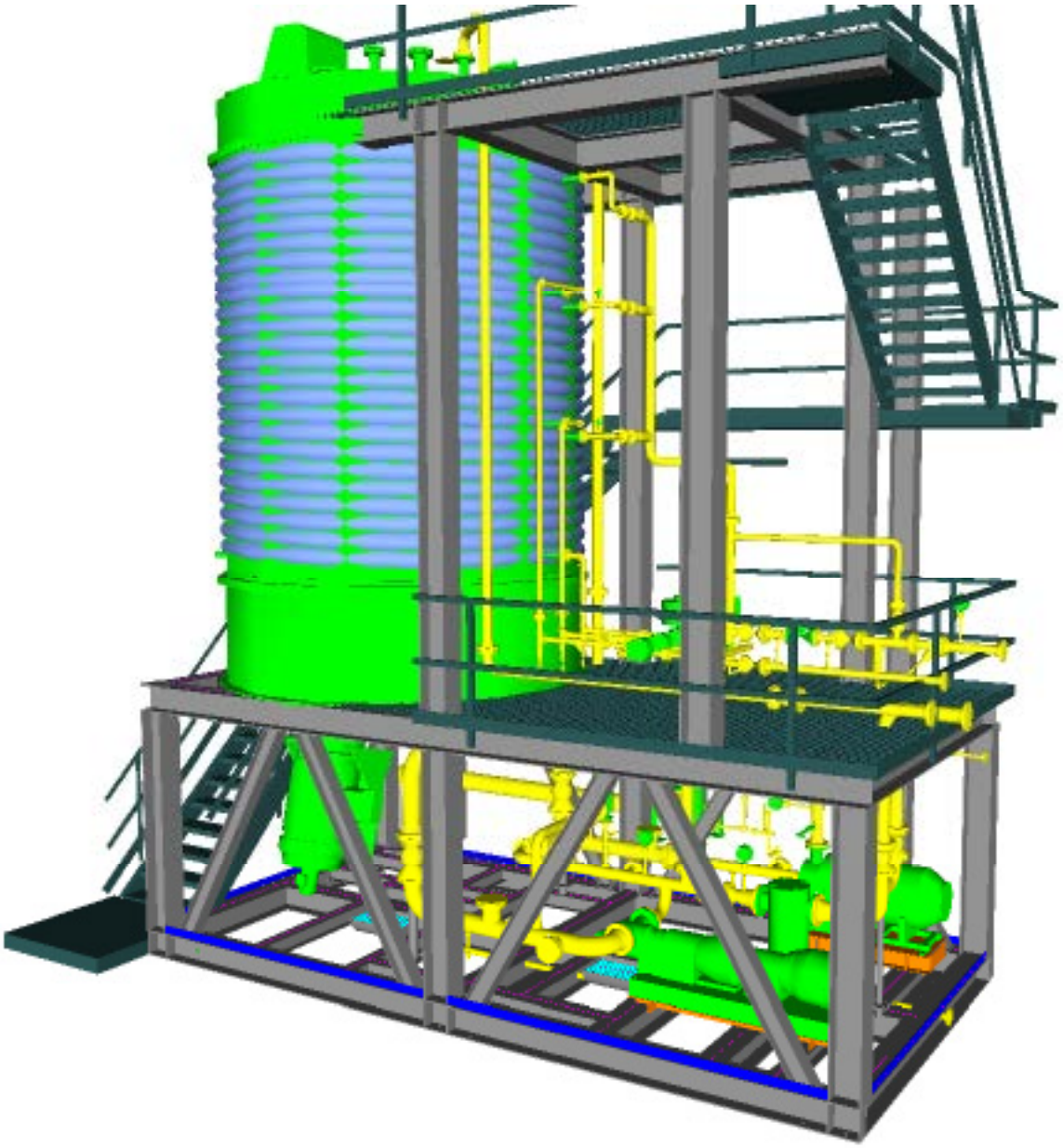
Optional Features

- *Material Handling Polymer Bale Vacuum Lift*
- *Pre Heater Package Including Shell And Tube Heat Exchanger And Kettle Multizone Temperature Control*
- *Upper & Lower HMI Station*
- *Compliance With Site Approved Manufacturers List*
- *All NEMA Or IEC Rated Enclosures And Components For Class 1, Div. 1 Or Div. 2 Electrical Areas*

Additional Services

- *Nationwide Service Network*
- *Coordination Of Assembly With Site Constructor*
- *Equipment Leasing Program*
- *Extended Equipment Warranty*

Packaged Liquid Blend System



EXPERIENCE

CLIENT	SIZE	LOCATION
Shell Oil	4000 gal	Santa Fe Springs, CA
Lubrizol	6000 gal	Deer Park, TX
Lube Specialty	9000 gal	Vernon, CA
Warren Distribution	6000 gal	Council Bluffs, IA
Petro-Canada	9000 gal	Mississauga, Ontario
Valvoline	5000 gal	Deer Park, TX
Valvoline	9000 gal	Cincinnati, OH
76 Blending	6000 gal	Portland, OR
76 Blending	8000 gal	Savannah, GA
IOL	10,500 gal	Sarnia, Ontario
ExxonMobil	10,500 gal	Beaumont, TX
ExxonMobil	10,500 gal	Port Allen, LA

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