



LIQUID FOODS INDUSTRY SOLUTIONS

S&I

**SYSTEMS &
INTEGRATION**

PROCESS PLANTS OF THE FUTURE FOR BATCH AND PROCESS CONTROL.

Whether you are a start-up or a well-established liquid food products manufacturer, Statco-DSI delivers customized solutions that will make you profitable today – and tomorrow. Our integrated, in-house design-build approach allows you to realize the benefits of greater speed to market, cost efficiencies and a single source of accountability. From bulk ingredients receiving to the filler, we can help you maximize production and ensure product quality.

Plant Process Design

Focused on ergonomics and safety, improved operations and operator interaction, cleanability, efficiency and sustainability.

- Full sanitary process installation services
- Innovative process skid design build and integration
- Automation and batch/recipe development systems
- CIP systems
- Product recovery systems including launch/catch systems
- Allergen separation system designs
- Optimal in-house and partner equipment for each application



Integrated Processing

- Mix proof valve integration expertise and product transfer systems
- Diverse multi-purpose pump technology integration
- Simplified cook and batch processing systems
- Multi-stream online blending
- Controls automation including recipe development

Efficient Blending

Space saving– multi-stream dosing without blending tanks results in:

- Improved quality and flavor profiles
- Extended yields
- Improved accuracy mass meter ratio dosing technology
- Rapid proportional control; quickly adjusts on the fly
- Rapid change over times
- Fully cleanable without disassembly; requires less cleaning chemicals

Batch/Blend/Cook/Cool

- Fully integrated modules and process decks
- Direct Steam Infusion cooking technologies
- Process kettle designs incorporate scrape surface, counter rotating, high/low shear product mixing
- High/low viscosity and large particulate processing
- Aseptic/UHT and ESL technologies

OAL Direct Steam Infusion

The patented Steam Infusion Vaction™ Pump rapidly heats, mixes and pumps food ingredients and products. By varying the steam pressure and flow rate through the pump, the processing conditions change, from gentle cooking to intense mixing and pumping with a homogenizing effect.

Ingredient Addition Solutions

- Loss in weight drum/day tote delivery for ingredient addition
- Vacuum conveying technology
 - Inline or in vessel



High speed powder blending system – thoroughly incorporates wet and dry ingredients into a liquid stream. Can be used for drum unloading, product mixing and batch transfer. Ergonomic user-friendly system.

Batch Changeover Technology

- Increased product yields – reduction of loss on product/filler changeovers
- Innovative technologies that increase production efficiency, improve batch changeover
- Mix proof valve systems; location and position on the batch/blend deck reduces line runs and drains quickly
- Product recovery improves CIP efficiency/reduces wastewater loading



Instrumentation

- Mass Flow
- Temperature
- Pressure
- Level
- Volume
- Process Quality – Ph, dissolved oxygen, conductivity

Sanitary Components

Wide range of hygienic pumps

Valves

- Single seat
- Mix proof
- Butterfly

Spray Devices

- Static
- Rotary

Filtration

Hoses

APPLICATIONS

Dips

Salad Dressings

Purees

Soups

Sauces

Condiments

Puddings

Jams/Jellies

Gravies

Hummus

Dairy Based Products

Ready-to-Serve Meals

Ingredient Systems



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**Contact us today for ...
Engineering Solutions That Make Sense.**



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