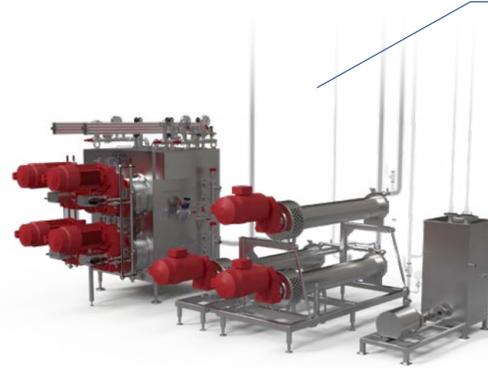


Exceptional product quality



Crystallization



- High quality
- High yield
- High hygiene
- Proper product plasticity, consistency and structure
- Partnering with margarine key equipment provider RONO

No waste



- Higher revenues through recovery of valuable edible oil by-products
- Raw material efficiency and continuous rework unit ensures minimal product loss
- Resource efficiency with low-energy pumps



This is Alfa Laval

Alfa Laval is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress – always going the extra mile to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day. It's all about *Advancing better*™.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com



High-quality margarine and shortening

Alfa Laval Margarine plant systems

Complete processing systems for margarine and shortening

For the highest yellow fat and shortening product quality and yield, optimize your margarine plant with hygienic, highly automated process systems for margarine and shortening from Alfa Laval. To achieve the right solid-liquid blend for a smooth, stable yellow fat product, you can rely on Alfa Laval for hygienic process equipment and technology know-how of fat modification and refining technologies for your plant. The solutions for margarine and shortening processing are flexible, modular and user-friendly — backed by advanced control software and global service and support close to you.

Robust system design

- Built to last
- Reliable operation
- Versatile, modular and adaptable systems
- Tailored to specific process requirements
- Easy to integrate with full production plant and packing line

Hygienic design

- Full compliance with stringent regulatory standards for hygienic applications
- Tight control of process timing and temperatures
- Easy-to-use Cleaning-in-Place systems
- Easy-to-expand installation



Oil phase and emulsifier preparation

High-quality, high-yield processes

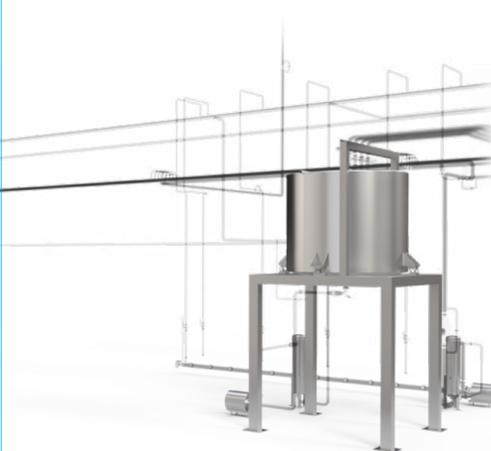
- Modular means you get exactly what you need — no more, no less
- Maximum return on investment
- Rapid payback



Water phase

Low cost of ownership

- Low maintenance costs
- Smart resource efficiency
- Hygienic design
- Optimized operation and maintenance
- Minimal product loss and waste



Pasteurization

Complete skid-mounted systems

- Fully automatic
- Cost effective
- Factory pre-tested and ready to use

Full support

- Design, engineering and commissioning
- Comprehensive support
- Global service network for optimization throughout the lifetime of the plant

Efficiency and sustainability

- Accurate ingredients handling, dosing and mixing
- Cleaning-in-Place using fewer utilities and cleaning agents
- Modular installation, easy to expand plant capacity



Emulsion preparation

Greater flexibility

- Highly uniform mixing for product homogeneity
- Easy to expand capacity
- Automatic Cleaning-in-Place process

