



Tetra Victenso™ continuous ready-to-drink infant formula line

Best-practice line for prepared food production



Application

Our best-practice line for continuous production of ready-to-drink infant formula products.

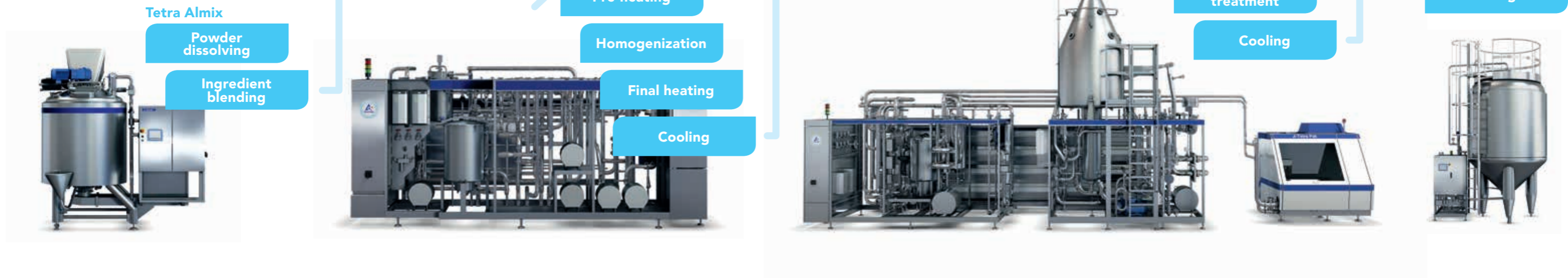
Highlights

- Efficient mixing technology enables consistent, accurate recipe management
- Effective mixing and heat treatment enables high production efficiency
- Direct heat treatment maximizes nutritional values and taste
- Process parameter logging facilitates traceability
- Hygienic design and advanced automation ensure uncompromising food safety

Enables exceptional versatility, quality and efficiency

Our highly efficient and flexible ready-to-drink infant formula line solution enables you to meet consumer demands for a greater variety of safe, high quality, healthy products, greater convenience and low environmental impact. Our unique system combines several processing technologies for ready-to-drink infant formula products, provided by a Tetra Almix® unit, a Tetra Therm® Lacta unit, a Tetra Therm Aseptic VTIS unit and a Tetra Alsafe® unit.

Line overview
Combining several processing technologies



Process description

Efficient preparation in Tetra Almix

- Powder dissolving – design of rotor/stator, agitator and vacuum system enable fast dissolving of water, powder, emulsifiers, oil and stabilizers
- Ingredient blending – blending of raw materials such as sugar and other ingredients

First heat treatment in Tetra Therm Lacta

- Pre-heating – indirect heating of product
- Upstream homogenization
- Efficient indirect final heating to required temperature
- Cooling – indirect cooling with cold water or ice water to required outlet temperature

Precise heat treatment in Tetra Therm Aseptic VTIS

- Pre-heating – indirect heating of product
- Direct steam injection from 80°C to about 140°C
- Holding before flash cooling in a vessel down to 81°C
- Aseptic downstream homogenization
- Indirect final cooling to required temperature

Safe storage in Tetra Alsafe

- Intermediate buffer under aseptic conditions

Filling

- Aseptic filling in Tetra Brik® Aseptic carton package

Suitable products

Examples of suitable products include:

- Infant formula products with high nutritional value
- Fruit drinks and smoothies for kids
- Formula for toddlers



Automation solutions for total control and top performance

Best-practice unit automation solutions

- Maximize efficiency and enable future-proof flexibility
- Enable complete control with full traceability
- Cut human error to a minimum and streamline your entire operation

Tetra PlantMaster™ solutions enable even greater control

- Overview of process flowcharts
- Product routing and selections
- Advanced data logging
- Automated production reports
- Full traceability
- Easy preventive maintenance

Tetra Navigato™ customized service solutions


We provide customized service solutions maximize your operational excellence, minimize your cost and environmental impact, and ensure the right product quality every time, throughout the lifecycle of your operation a complete range of services including:

- Automation services
- Environmental services
- Improvement services
- Installation services
- Maintenance services
- Parts and logistics services
- Quality management services
- Remote services
- Training services

Guaranteed performance on parameters that matter

We guarantee the performance we promise, with key performance indicators based on your production scenario and pre-defined in a contractual agreement, covering for example:

- Product losses
- Product changeover time
- CIP cycle time
- Production time
- Temperature stability
- Capacity stability

We reserve the right to introduce design modifications.
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