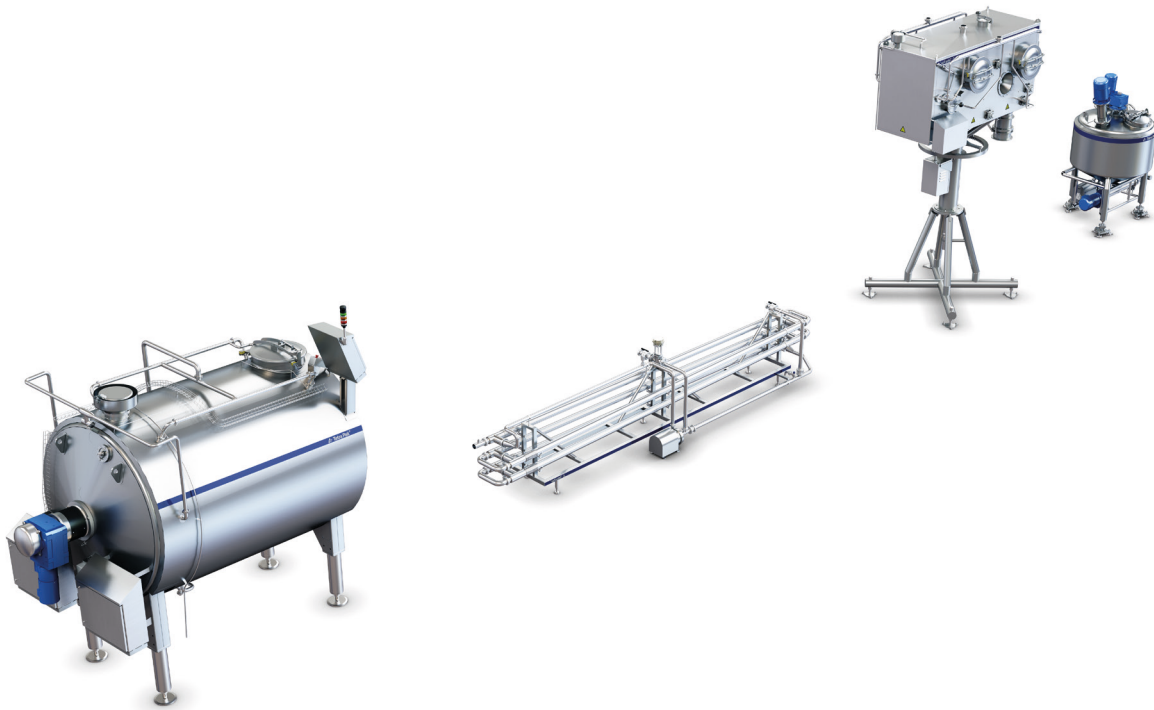




BEST-PRACTICE LINE FOR CRUMBLED TVAROG CHEESE



APPLICATION

For production of crumbled Tvarog – a fresh and healthy cheese with a natural taste.

HIGHLIGHTS

- A flexible solution – easy to reconfigure for new recipes
- Repeatable product quality guaranteed
- A proven, in-house solution built upon the expertise of a complete processing partner
- Minimal product waste
- No bio-load since all acid whey is captured
- Closed and controlled process provides best-in-class hygiene

THE TVAROG CHEESE YOU WANT, EVERY TIME

The best-practice line for crumbled Tvarog cheese ensures a consistent and repeatable product quality. Built upon our responsive expertise, the line is always tailored to and optimised for every customer's specific requirements. The solution is flexible and perfect for customers who want to start small and expand to new recipes in the future.

The best-practice line covers a wide range of capacities – from 40 000 to 150 000 litres of milk per day.

The line typically combines the processing technologies provided by Tetra Pak® Fresh Cheese Vat Paddles, a whey cooling system (whey storage tank and a Tetra Pak® Plate Heat Exchanger), a Tetra Pak® Curd Cooler and a Tetra Pak® Drum Drainer 2. For production of crumbled Tvarog varieties, a Tetra Pak® Crumbled Cheese Buffer can be added.

LINE OVERVIEW - Combining several processing technologies

1 Tetra Pak® Fresh Cheese Vat Paddles

2 Tetra Pak® Curd Cooler

3 Tetra Pak® Drum Drainer 2

4 Tetra Pak® Crumbled Cheese Buffer
(optional, for spread Tvarog)



PROCESS DESCRIPTION

1 CURD MAKING IN TETRA PAK® FRESH CHEESE VAT PADDLES

- Dedicated agitator design and agitation algorithms secure gentle curd treatment
- Precise temperature control – exact moisture content in final product
- High yield guaranteed
- Convenient and safe operation
- High hygiene level and enhanced food safety as extruded connections protect against thermal cracks
- Dedicated whey cooling system consisting of whey storage tank and Tetra Pak® Plate Heat Exchanger (optional)

2 CURD COOLING IN TETRA PAK® CURD COOLER

- Secures best cheese and whey bacteriological quality thanks to
 - cooling in the earliest possible stage of the process
 - elimination of exposure to ambient air
- Precise and stable product outlet temperature allows for immediate packaging of chilled cheese
- Gentle treatment secures best product texture and minimal fat and protein losses

3 WHEY DRAINING IN TETRA PAK® DRUM DRAINER 2

- Flexible solution for a wide variety of downstream equipment
- Efficient draining effect with automatic pressing adjustment of belt against the drum
- High yield thanks to gentle curd treatment, and as an elastic woven belt is applied even the smallest curd particles are retained
- Optimised draining thanks to three stages of draining

4 BUFFERING IN TETRA PAK® CRUMBLED CHEESE BUFFER

- Gentle agitation for curd particle integrity and even distribution
- Minimised product losses thanks to built-in product pump
- Cooling jacket secures product temperature
- Load cells for precise dosing of additives and high velocity agitator (optional)

AUTOMATION SOLUTIONS FOR TOTAL CONTROL AND TOP PERFORMANCE

- 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 PAK® SERVICES

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
- Cheese Technologist

GUARANTEED PERFORMANCE ON PARAMETERS THAT MATTER

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

- High yield
- Product quality
- Production time
- Capacity

