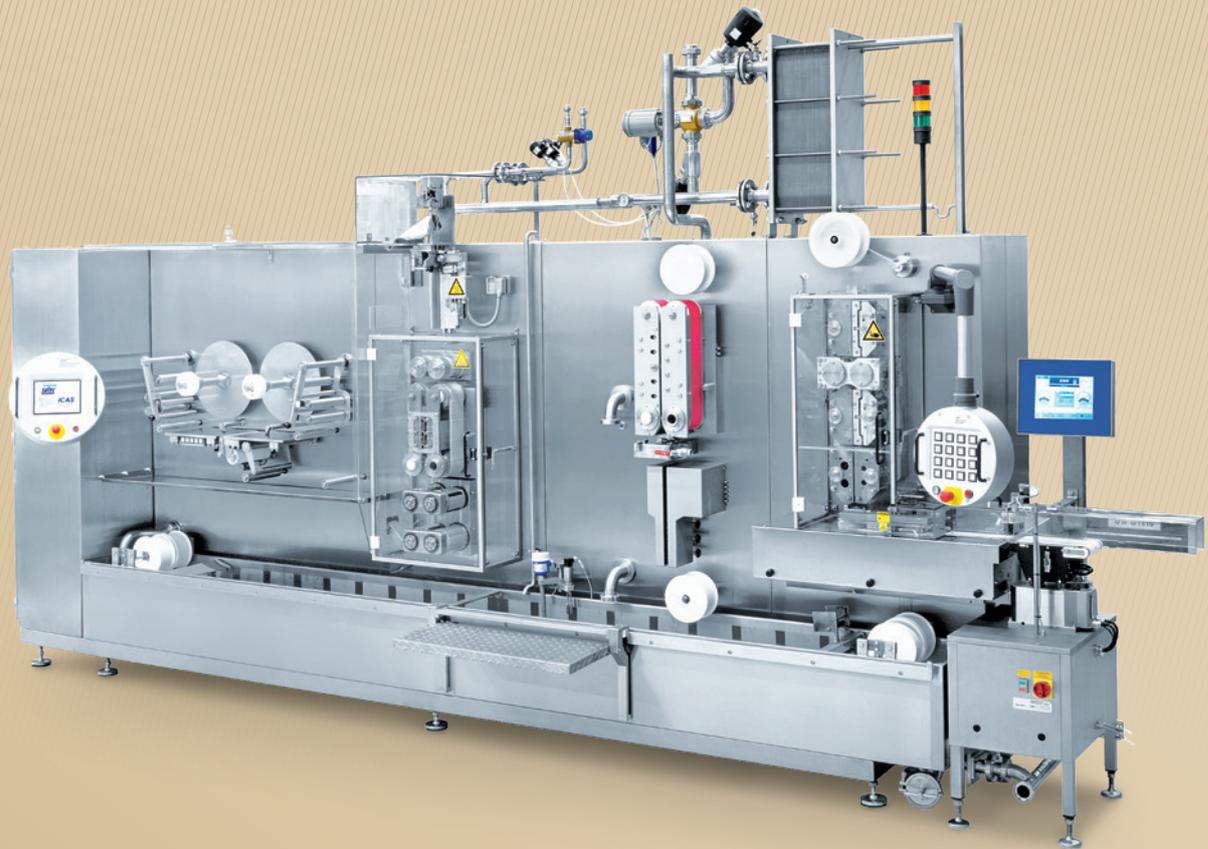


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NETWORK

HIGHEST EFFICIENCY IN WRAPPING

Producing individually-wrapped processed cheese slices (IWS) using a continuously operating production method.



Core machine

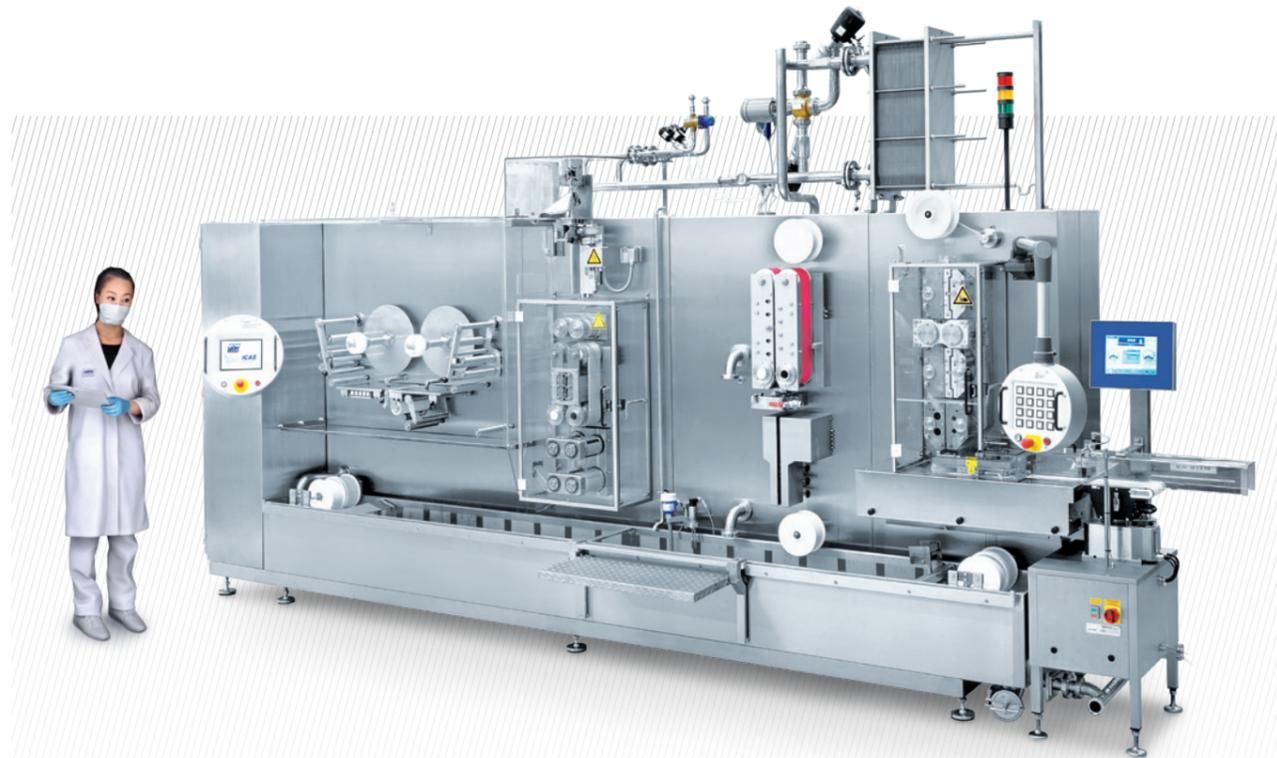
FreePack® 1000

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FreePack® 1000

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The **Natec FreePack® 1000** machine produces Individually Wrapped processed cheese Slices (IWS) using a continuously operating production method. Wrapping is performed without risk of recontamination using the hot-fill system. The PP foil used is environmentally friendly and recyclable. Exact sealing ensures the product to be securely wrapped and sealed. The individually-wrapped slices are easy to open. They are of exactly uniform weight and accurately stacked in piles which remain in exact position during transport from the **FreePack®** to the flowpacker.



Forming & portioning



Processed cheese

+ Benefits

- » Plastic foil need reduced by 20 % due to small and efficient welding seams
- » Unique cutting and stacking technique which arranges and coordinates individually-wrapped slices into exact piles
- » High operator comfort and trouble-free production thanks to the central control and surveillance system
- » Less give away thanks to consistent weight by means of a constant control system

+ Options & attachments

- » Dosing tank
- » Inkjet printer for marking ("open here")
- » Cooling with ice water or glycol possible
- » Metal detector
- » Slice format 86 x 86 mm
- » **IWS MixStacker**
- » Different sealing patterns
- » Further options available

+ Technical data

Machine data

- » L x W x H: 5,200 x 1,200 x 2,150 mm (203" x 47" x 85")
- » 400 V, 50 Hz, 3 phase / 30 kVA

Cooling water

- » Hygienically pure water at an operating temperature of approx. 3 °C (37 °F)
- » Equipped with an integrated secondary cooling circuit including a heat exchanger and a circulating pump

Slice weight

- » Infinitely adjustable from 13 – 30 g
Depending on the cheese texture
- » Option: 30 – 42 g

Execution

- » According to CE guidelines

Capacity data

- » Max. 1,000 slices/min
= 1,200 kg/h (2,700 lbs/h)
With 10 slices of 20 g each in 200 g packages

Processable cheese solids

- » Water content 40 – 56 %
- » Dry matter 44 – 60 % with 45 % fat content
Depending on the real cheese recipe

Package sizes

- » Stacks of 3 – 25 slices possible
- » Max. stacking height: 75 mm (3")

Utilities

- » Compressed air: 5 m³/h at 6 bar
- » Fresh water for cooling
- » Cooling: 90 kW / 341,200 BTU/h

Slice format

- » Slice thickness variable from 1.5 to 3.5 mm (0.06" – 0.14")
- » L x W: 84 x 84 mm (3.3" x 3.3")
Excluding sealing seam: 2 x 2.5 mm

Contact free sealing

- » The film tube is sealed without any contact: No wear and tear parts at the longitudinal sealing

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NETWORK

**SUCCESS GENERATING
FOOD TECHNOLOGY**

Hochland Natec GmbH, Gold Peg International Pty Ltd and **Natec USA LLC** joined forces to form an international network of food processing companies – the **Natec Network**. Always team spirited and leading in flexibility, quality, and innovation the network delivers customised equipment and production lines for key challenges in food processing and at every stage of business development. In order to meet the customers' requirements, even at the start of a project, the network uses its own specific service framework which combines extensive experience and professional expertise along with a drive for innovation.

The result is technology and support that is crucial in contributing to the value and development of our customers in the food production industry. The love of generating and implementing cutting edge ideas with great impact, as well as the willingness to tailor technology that can exceed the customer's targets, lets the **Natec Network** always strive to unlock business and human potential in a sustainable way with integrity – and thus be a partner who provide more than just technical infrastructure.

» www.natec-network.com



Explore online

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NETWORK

HIGHEST EFFICIENCY IN COOLING & FORMING

*Producing processed cheese slices (SOS), cubes, shreds
and sticks in highest quality at minimised costs.*



Core machine

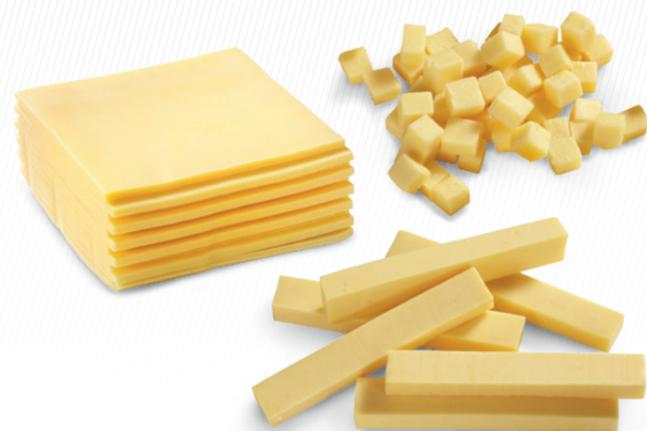
FreeSlice[®] 1500

natec

FreeSlice® 1500

natec

The **Natec FreeSlice®** system is the new generation of producing Slice-On-Slice (SOS) products and replaces the old chill-roll systems. It is designed to produce slice on slice cheese as well as – with different applications – cubes, shreds and sticks made of processed cheese, analogue or hybrid cheese. An integrated laminar flow system makes safe and trouble-free production without any danger of recontamination possible. Furthermore, the integrated CIP system allows a very easy cleaning. The **Natec FreeSlice®** system reduces the manpower required for operating and cleaning to a minimum and the vertical design of the belts guarantees high flexibility in slice thickness and formats.



Forming & portioning



Processed cheese

+ Benefits

- » Laminar flow system to avoid recontamination
- » The system is fully CIP cleanable including the laminar flow part
- » The central control surveillance system makes a comfortable and trouble-free production possible
- » Different add-ons make it highly flexible for any application made of processed cheese, analogue or hybrid cheese

+ Options & attachments

- » **Natec CrossCutter XC**
- » **Natec SOS FreeStacker S180** (for stacking and grouping of standard size products)
- » **Natec SOS FreeStacker** (short version for stacking only)
- » **Natec CubeCutter 1500**
- » **Natec LongStacker** (for stacking large size products)
- » **Natec StickCutter**
- » Oilspraying unit
- » Diagonal cut device
- » Reject unit
- » Further options available

⚙️ Technical data

Machine data

- » L x W x H: 3,000 x 3,000 x 4,100 mm (118" x 1,147" x 159")
- » 400 V, 50 Hz, 3 phase / 46 kVA

Cleaning

- » Integrated CIP system

Standard thickness

- » Infinitely adjustable from 1.5 mm – 12 mm (0.06" – 0.5")
Depending on final cheese temperature

Capacity data

- » 1,800 kg/h (4,000 lbs/h)
= 2,100 slices/min
With slices of 14 g (0.5 oz) / 76 mm (3")

Execution

- » According to CE guidelines

Processable cheese

- » Processed cheese (SOS), analogue cheese, hybrid cheese

Utilities

- » Compressed air: 1 m³/h at 6 bar
- » Fresh water for cooling
- » Cooling: 120 kW / 307,100 BTU/h

Width of cheese ribbon

- » Up to 1,100 mm (43")

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