



## Continuous efficiency

### Cryogen-Rapid®-Tunnel Freezer

The Cryogen-Rapid®-Tunnel freezer is particularly suitable for continuous chilling and freezing of food. The high efficiency of this type of unit is based on the optimal cold gas distribution system. Liquid nitrogen (LN<sub>2</sub>) or, alternatively, liquid carbon dioxide (LCO<sub>2</sub>) is sprayed directly into the freezer in a temperature-controlled process: the nitrogen evaporates or the carbon dioxide snow sublimates. In this process, thermal energy is removed from the food, while it is cooled or frozen in a matter of minutes. Both gases are natural constituents of air and have been approved as food gases in the EU. Due to the low temperatures inside the freezer, only the slightest traces of moisture are required for the atmosphere to become saturated: there is hardly any drying out of the food during freezing, which means that it retains its weight and appetising appearance. Cake manufacturers also use these units to stabilise ornate decorations prior to conventional freezing of gateaux.

The modular system allows adjustments to be made for specific freezing capacities; excellent cleaning of the conveyor belts and other product contacted parts can be achieved by opening up the insulation. The unit can be easily integrated into existing production lines.

#### Process advantages at a glance

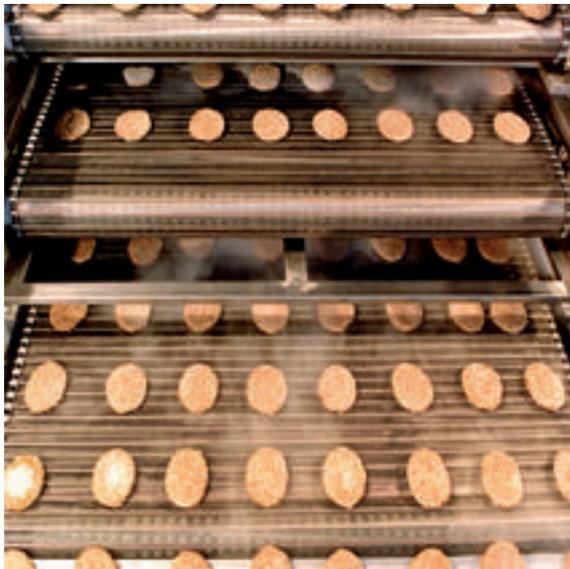
- High quality: rapid freezing for improved texture, taste and appearance
- Rapid start-up
- Minimal dehydration losses
- Flexible freezing capacity
- Small footprint



## Cryogen-Rapid®-Tunnel Freezer

### Technical data and dimensions

Cryogen-Rapid®-Tunnel Freezer	Effective belt width [m]	Effective belt length [m]	Total length [m]	Total width [m]
L 400/60	0.6	4	5.5	2.1
L 600/60	0.6	6	7.5	2.1
L 800/60	0.6	8	9.5	2.1
L 600/90	0.9	6	7.5	2.4
L 800/90	0.9	8	9.5	2.4
L 1000/90	0.9	10	10.5	2.4
L 600/120	1.2	6	7.5	2.7
L 800/120	1.2	8	9.5	2.7
L 1000/120	1.2	10	10.5	2.7



*The Cryogen-Rapid®-Tunnel Freezer is suitable for continuous chilling and freezing of food.*

If you have any questions regarding the Cryogen-Rapid®-Tunnel Freezer or would like a personal consultation with our application experts, please do not hesitate to contact us.

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