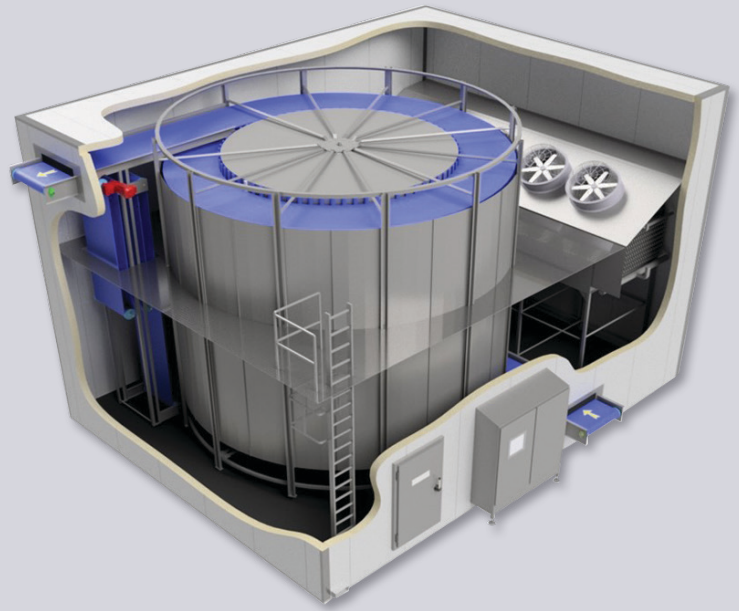


# SPIRAL CHILLERS & FREEZERS



## Compact site-built and packaged Spiral systems with horizontal or vertical airflow.

The Spiral is available as a Spiral Freezer, Spiral Cooler, Spiral Chiller or Spiral Ambient System, available in site-built and compact factory assembled format.

Unique IQF technology ensures all products are chilled or frozen evenly without excessive air speeds that can damage delicate products. The Spiral offers a variety of design selections to extend operating periods between defrosts as well as vertical or horizontal airflow options.

### GLACIER GREEN SOLUTION

- › The Glacier System combines a Spiral Freezer and a refrigeration plant in one complete energy efficient package. The Glacier uses ammonia refrigerant, combining excellent operating efficiency with zero environmental impact in terms of ozone depletion and global warming.

### BESPOKE

- › Starfrost can design, construct and install a Spiral Freezer or Chiller system exactly to customer requirements and product specification.

### EFFICIENT

- › Designed with low maintenance, ease of hygiene and operational efficiency in mind.

### FLEXIBLE

- › The design and construction enables modification of conveyor belt tiers and tier pitch to suit future developments.

### FEATURES

- › Enclosure design allows easy access for maintenance and service requirements.
- › Large freezing capacities relative to freezer footprint size.
- › High efficiency axial fans with anodised motors.
- › Evaporator tube and fin design for extended run periods.
- › External installation available to maximise factory space.

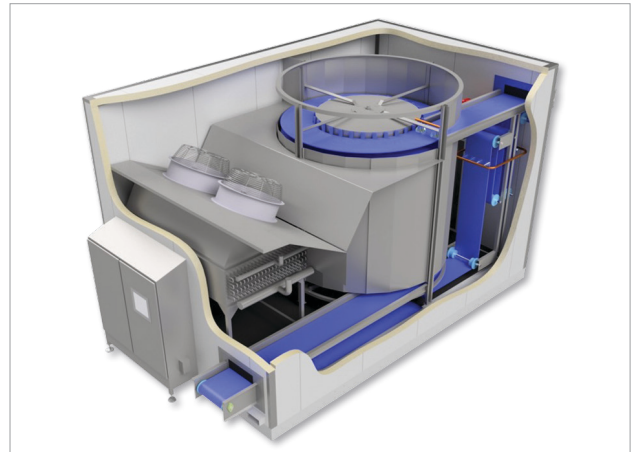
### SPECIFICATIONS

- › Variable airflow direction for maximum cooling efficiency.
- › Fully welded or insulated enclosure with optional stainless steel finish inside and outside.
- › Evaporator with stainless steel tubes for maximum hygiene.
- › Direct driven fan units with the option for inverter control.
- › Stainless steel, plastic, low tension or direct driven conveyor belts.
- › Stainless steel housing to bearings.
- › Control panel with stainless steel enclosure, PLC and HMI touchscreen.
- › Complete factory pre-assembled package systems available.
- › Various belt infeed/exit configurations available.
- › Sealed direct coupled planetary gearbox for drum drive.

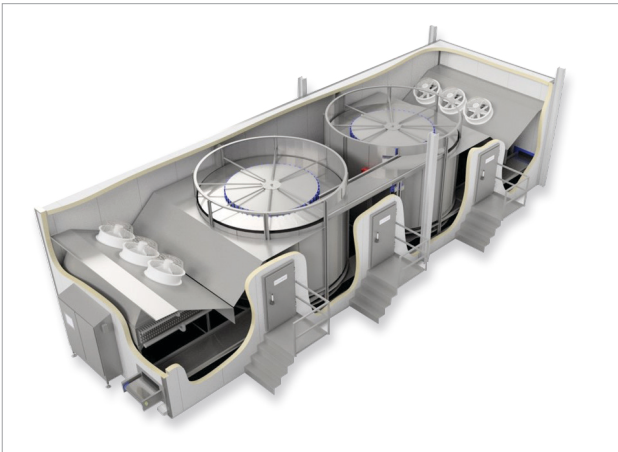
We install a range of Spiral Freezers with our manufacturing partner Starfrost Freezing & Chilling Systems  
<https://www.starfrost.com/>



*Spiral Freezer*



*Packaged Spiral Freezer*



*Double drum Spiral Freezer*



*View of the evaporator inside the Spiral Freezer*



*External view of Spiral Freezer infeed conveying ready meals*



*Spiral Freezer processing bread loaves for bakery production*