

New freezers

Advanced Equipment Inc., Canada, is offering modular tunnel freezers and packaged tunnel freezers for IQF, small product particle range from 3/16 to 2 inches diameter. Application areas for these freezers include vegetable and fruits industry and seafood industry. The modular tunnel freezer's CASCADE pass belt arrangement is an in-line freezer providing positive conveyance of product. In the packaged tunnel freezer, the CASCADE belt is a twin belt in-line freezer providing positive conveying of products. Both units assure excellent product freezing quality and reduced shrinkage loss by continuously agitating the product during the freezing stage and the fluidization freezing stage. Compared with nitrogen, carbon dioxide (CO₂) and other freezers, these systems entail lower operating costs. This is achieved by using a high-efficiency refrigeration method, combined with a unique patented mechanical vibration and balanced airflow system. Key benefits include:

- High-efficiency airflow and heat transfer;
- Factory-assembled modular sections for fast assembly;
- Continuous in-line food production; and
- Easy access to sanitation and maintenance.

The packaged spiral freezer is a continuous in-line belt freezer designed to minimize product weight loss and assure quality during the freezing process. Compared with CO₂, nitrogen and other freezers, low operating costs are made feasible by using the most efficient refrigeration method together with a new unique low-pressure, high velocity, impingement horizontal airflow system. This unit is one of the most economical freezer available in its class. Some advantages offered by this system are:

- Packaged and fully factory-tested;
- Ready to be placed and connected to refrigeration, electrical and water service;
- Self-cleaning with internal, centre drum washer manifold as standard feature;
- Gentle and smooth handling of products;
- Minimum product weight loss by exposure to lowest air temperature at all times;
- Stainless steel construction; and
- Easy access to sanitation and maintenance.

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