

The World's Most Hygienic Freezers

+ CF MultiPass™ freezer

- +hygiene
- +innovation
- +partnerships
- +efficiency
- +service
- +quality

CF MultiPass™ Freezer

The CF (Continuous Flow) MultiPass™ line of freezers and chillers are innovatively designed to provide automated, first-in/first-out chilling or freezing of trayed and boxed packages. The unique design gives processors the ability to handle large volumes of packaged product, quickly and efficiently with minimal labour. CF MultiPass™ units improve throughput, product quality and shelf-life while reducing product handling, space and energy costs. This provides the lowest total cost of ownership and a very short return on investment.

We work closely in partnership with the end user to design and custom manufacture each CF MultiPass unit that best fits the specific application and unique customer requirements.



WHO WE ARE

About FPS

FPS Food Process Solutions is a global leader in turn-key food freezing and cooling equipment. We provide innovative systems to ensure the highest efficiencies and to meet the most stringent sanitary demands. These factors transform into superior food quality, lowered total cost of ownership and maximized profits.



10+
Global Facilities



500+
Employees



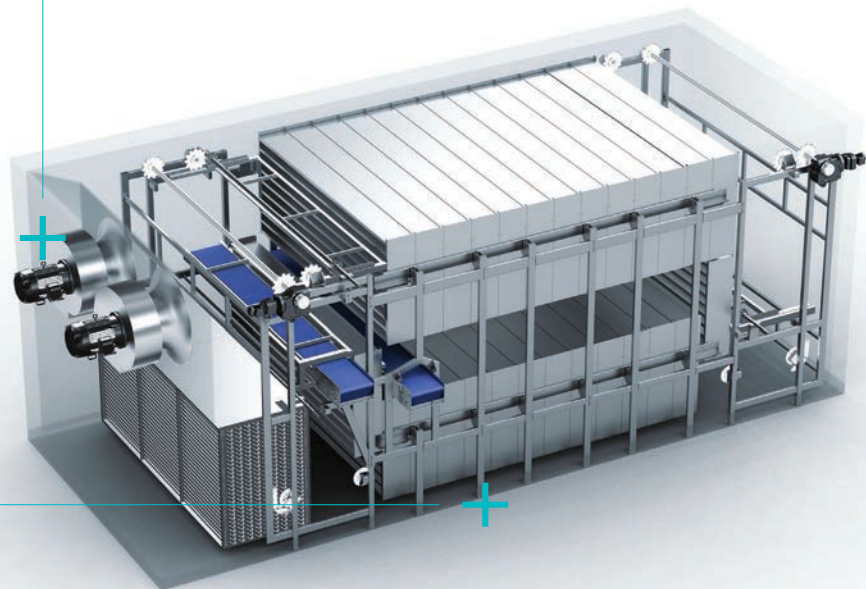
300+
Installations

+ Robust Design

Designed utilizing the latest technology and highest quality materials, the CF MultiPass™ is low maintenance yet user friendly delivering maximum uptime and low operation and maintenance costs.

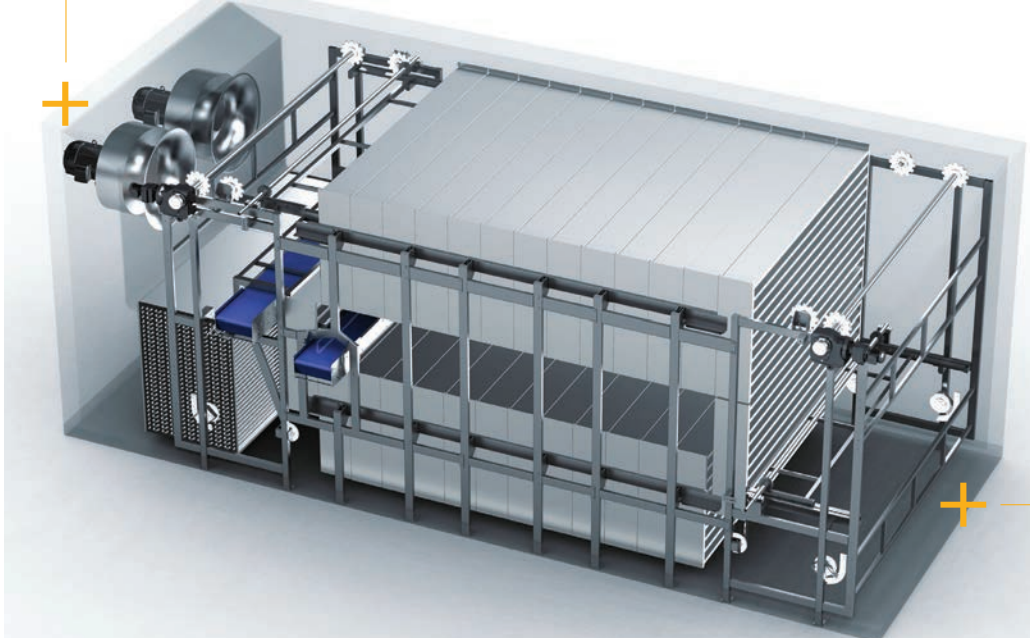
+ IntelliSolutions Control Panel

Our PLC-based touch screen controls are user friendly with customizable access levels and recipe programming. With a variety of diagnostic and data logging tools, problems can be quickly identified and addressed. With included eWON module, FPS can provide remote technical support 24/7.



EXTERIOR

Our focus on hygienic design led us to minimize internal electrical components by mounting them outside where possible. With our specialized welded stainless steel wall panel, external motors are supported by integrated structure embedded within the insulation. This removes large motors and associated components from inside the CF MultiPass™, improving hygiene, durability and reducing energy consumption.



INTERIOR

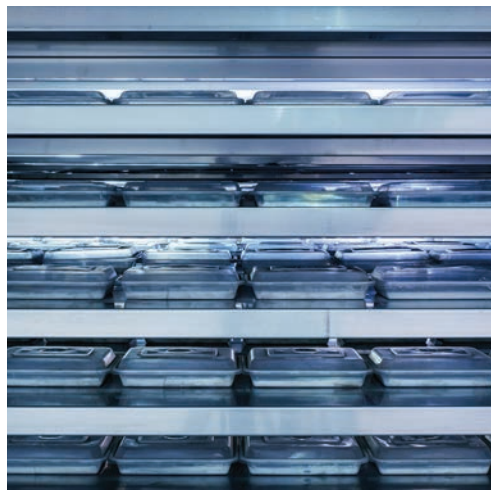
The interior of the CF can be finished to each customer's specifications. Utilizing an optional integrated enclosure and floor, the seamless stainless steel construction ensures the CF can exceed the most extreme hygienic requirements.

+ Moving Components

Components inside the CF are designed for smooth conveying of products. This minimizes product misalignment, agitation and vibration while improving quality and reducing damage. With all stainless steel construction options including roller chains, bearings, support structure and product shelves, the CF can meet the most stringent of sanitary demands.

+ Maintenance Friendly

Our simplified design, using fewer components, reduces overall maintenance, helping to deliver the lowest total cost of ownership in the industry.



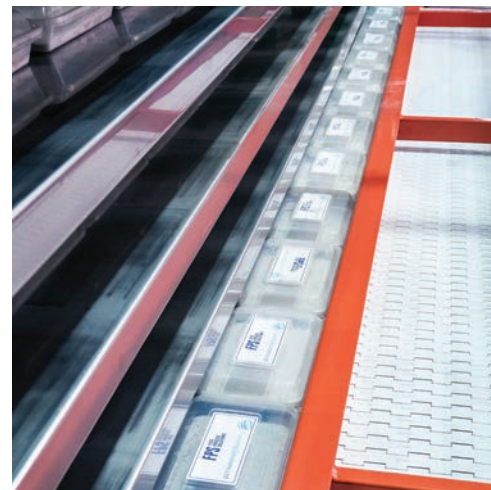
Multipass Air Flow

With true counter-flow and horizontal airflow, we maximize the efficiency of freezing the product and allowing for the most consistent temperature throughout. Minimum air flow restrictions increase constancy while using less energy.



Externally Mounted Fan Motors

With external directly coupled fan motors, we eliminate the constant maintenance and hygienic concerns of internal electrical components. We use centrifugal fans that generate high static pressure for effective air movement throughout the product zone.



Continuous Flow

The CF keeps air gaps between packages and they are continually moved within the unit ensuring even air distribution and heat removal. This minimizes holding time and temperature variation between products. Elimination of infeed and exit conveyors also maximizes plant productivity and increases capacity.



Elevator Design

The elevator is servo driven allowing for exact indexing of the carriers for seamless transfer of product onto and off the carrier shelves. Our engineers take special care when specifying the elevator materials and components to ensure they can provide long life in the harsh environment.



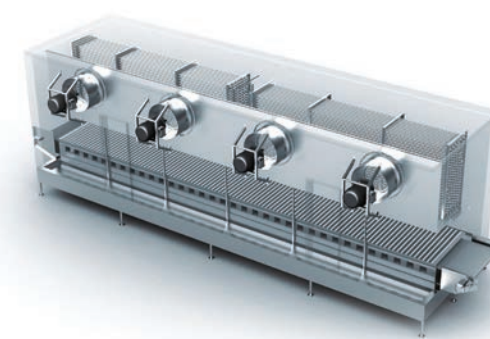
Controls

The sophisticated operating program, refined over many years, allows operation of the CF MultiPass™ by a single person. Precise drive movements and positioning are made by a system of servo motors. PLC-based operating systems with user friendly HMI screens ensure long life with high reliability. Reporting systems can be tailored to each customer's requirements.

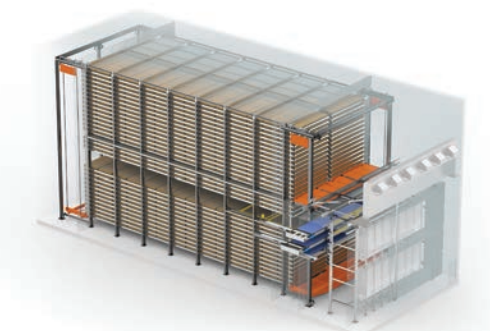


Carrier/Shelves

The carriers and shelves are designed specifically for each application. Transfer points are specially designed to ensure seamless transition from the structure to the primary and transfer elevators. This eliminates harmful shock loading on the elevator chains and drive system while minimizing movement of products on the carrier shelves.



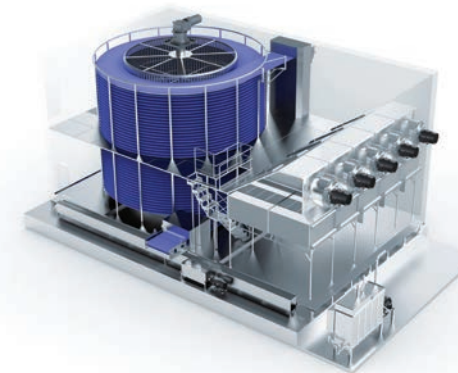
+ Impingement Freezer



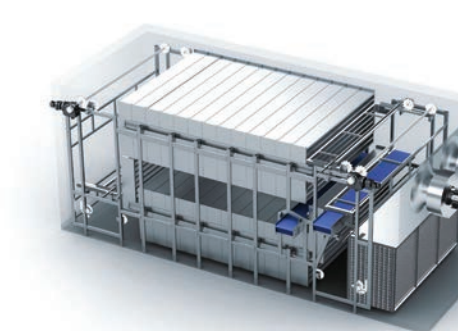
+ VRM Freezer



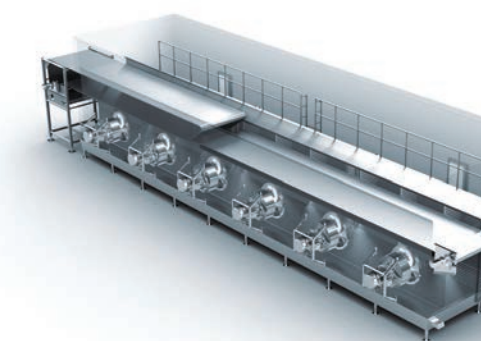
+ Spiral Immersion System (SIS)™



+ Spiral Freezer



+ CF MultiPass™ Freezer



+ IQF Freezer



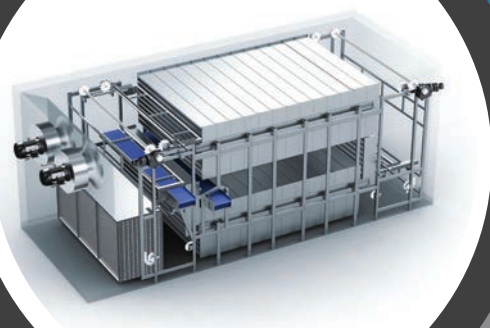
Key Benefits of the
CF MultiPass™ Freezer



The World's Most Hygienic End-to-End Solutions



FPS set a mission from Day One. To make a difference in paving a new standard in hygienic freezers through creative design and innovative solutions. FPS will lead the way in raising the bar.



REDUCED LABOUR + MATERIAL HANDLING

FASTER + EVEN FREEZING/CHILLING

HIGHER PRODUCT YIELD

REDUCED PACKAGING COSTS

REDUCED ENERGY COSTS

END-TO-END SOLUTIONS

We offer a one-stop-shop solution to meet our customers' needs. CMP and FPS provide the best in class turn-key food freezing and cooling equipment and complementary end-to-end solutions that ensure our customers' products are managed through every step of the production process. In addition, our process line specialists welcome the opportunity to provide layout assistance and equipment recommendations for the entire end-to-end system.

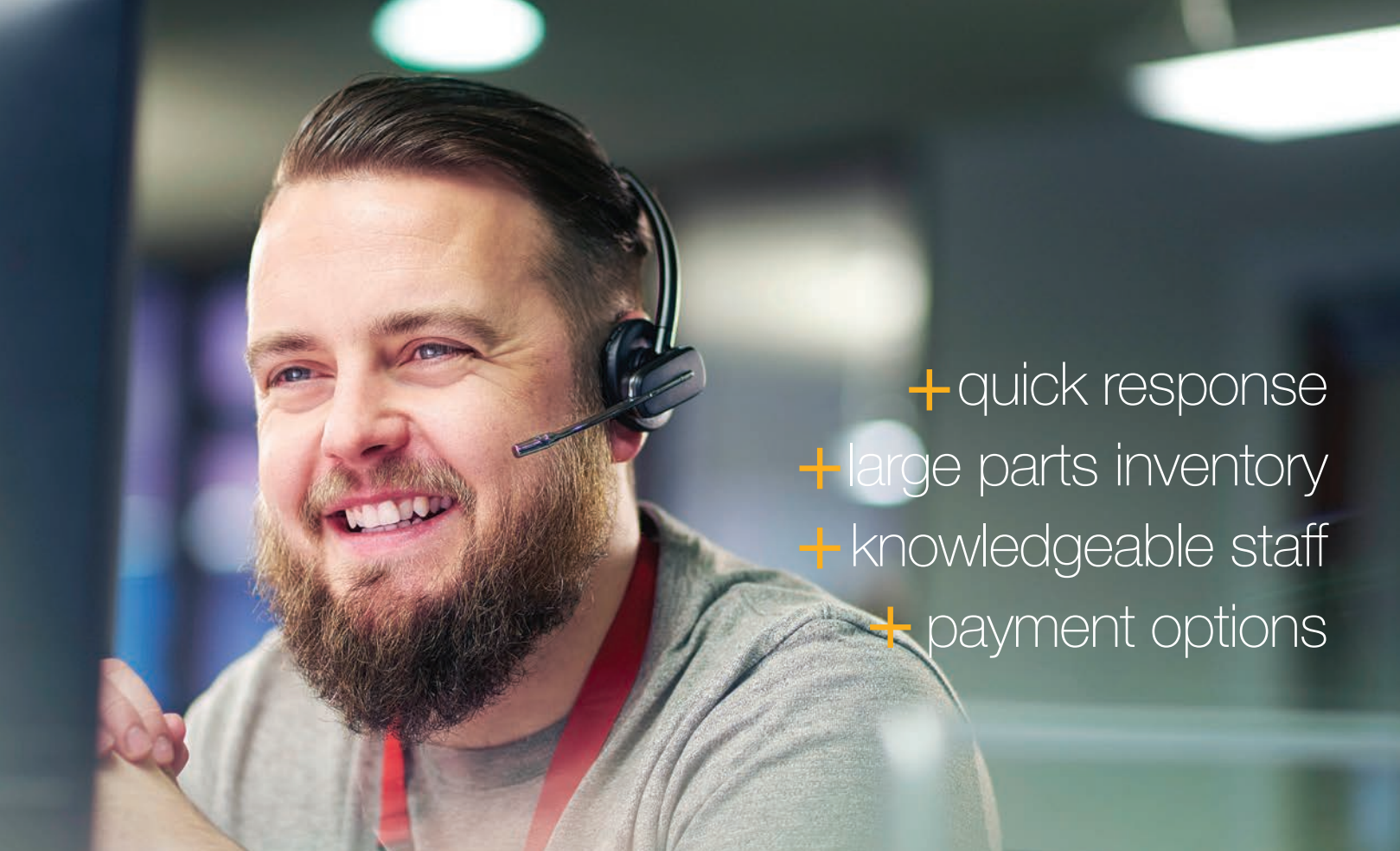
Our end-to-end solutions are designed to orientate and space product while meeting production rate. All components are seamlessly incorporated into the process line leveraging innovative hygienic design, integrated controls, and precision manufacturing with a custom engineering approach to meet our customers' needs.

Our process line specialists welcome the opportunity to provide layout assistance for the entire end-to-end system in order to incorporate the required equipment solutions into our customers' plant constraints.

CF FREEZER END-TO-END SOLUTIONS

In addition to our bulk handling solutions, we also offer tray and case handling solutions. Our feed and discharge systems for the CF freezers are designed to properly orientate and position trays and cases while maintaining production rates. We engineer, build, and install the product handling conveyors and gate systems to accurately control rate and flow and to ensure trouble free loading and discharge of the freezer.

All of our end-to-end solutions can include integrated controls of all equipment, including the CF freezer, into one central control panel for seamless operation. Our solutions include rate control and accumulation conveyors, radius, straight, and incline/decline conveyors, merge and diverge systems, smart belt systems, micro span conveyors, spiral lowerators, decline accumulation systems, multi-tier pack off stations, and full box handling conveyors.



- + quick response
- + large parts inventory
- + knowledgeable staff
- + payment options

FLEXIBLE PAYMENT OPTIONS

In-house Expertise, Mutual Benefits

Given the high capital investment required, FPS can help facilitate preferred payment options such as Standard Progress Payment, Long-term Equipment Finance & Leasing, Irrevocable Letters of Credit and LC Discounting. This unique “one shop stop” service provides customers ease of mind in navigating various payment options to best fit their financial needs – all to ensure the lowest total cost of ownership. That is the FPS promise.

GLOBAL PARTS & SERVICE CENTERS

Whatever the Need, We Have You Covered

Experience tells you the importance of efficient and responsive service - FPS has you covered. Our 24-hour support hotline puts you in direct contact with a real-world technician, not just an answering service. With the largest freezer service team and spare parts inventory in the industry, FPS support can assist in getting your equipment back in production with minimal disruption.



Through Partnership and Collaboration, We Build Success

“We believe that through collaboration, we create value. When you enter into a partnership with us, you join our family. Together, we promise to set new standards.”

**Jeffrey Chang, President
FPS Food Process Solutions**

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