

A photograph of a complex industrial facility, likely a power plant or refinery. The image shows a dense network of large, vertical stainless steel pipes and horizontal ducts. A prominent blue electric motor is connected to a large horizontal grey vessel. Red and yellow pipes run vertically alongside the main structures. The background features blue structural beams and perforated metal grates. The lighting is bright, coming from overhead industrial lamps.

Phan Bach 

Company Profile

Phan Bach

Phan Bach specializes in delivering comprehensive turnkey solutions for Seafood Processing Plants, including Refrigeration System, Freezers (IQF), and Cold Storage.

Having cultivated a distinguished brand and established a reputation for top-tier quality throughout Vietnam, Phan Bach is also actively expanding its presence in the global market.



NH3

Ammonia
Specialist

500+

Completed
Projects



2005

**Founded:
Industrial
Refrigeration
Contractor**



2008

**Inauguration:
IQF Manufacturing
Workshop**



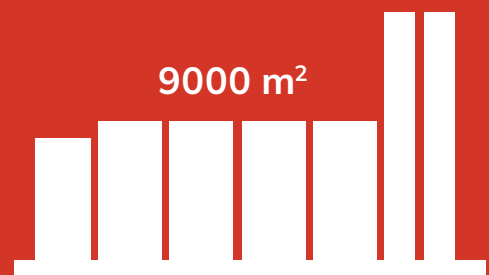
2016

Installation:
First Impingement IQF



2021

Expansion:
IQF Manufacturing
Plant



CUSTOMER SEGMENT

Food processing plants

Refrigeration system is the most important component in any food processing plants, and we understand this better than anyone.

Drawing on our extensive experience in consulting, designing, constructing, and

installing refrigeration systems for large multinational food processing factories, we guarantee customer satisfaction and peace of mind in maximizing investments or upgrading their refrigeration systems to the highest standards.



SHRIMP & FISH / SEAFOOD

Factories process abundant seafood resources such as fish, shrimp, squid and other marine creatures.



FRUIT & VEGETABLE / AGRICULTURE

Factories process diverse and typical agricultural products such as mangoes, beans, and other fruits and vegetables.



FOOD & BEVERAGE

Factories that produce food such as sausages, fish cakes, and snacks. Along with factories for drinks such as tea, coffee, and soft drinks.

Cold storages

With the increase in demand for storing frozen goods, we are proud to offer a comprehensive solution for deep cold storage facilities.

Our expertise enables us to design and construct state-of-the-art cold storage environments that meet the stringent

requirements of preserving perishable goods at ultra-low temperatures. From meticulous planning and advanced refrigeration system installations to ongoing maintenance and support, we ensure our clients receive a tailored solution that optimizes efficiency, reliability, and cost-effectiveness in cold storage.



FREEZING

EQUIPMENTS

- 1 • **FLAT SS BELT IMPINGEMENT IQF**

- 2 • **MESH SS BELT IMPINGEMENT IQF**

- 3 • **MULTI BLOCK QUICK FREEZER BQF**

- 4 • **HARDENER & ICE GLAZER**

- 5 • **CONTACT PLATE FREEZER**

- 6 • **AIR BLAST FREEZER**



1. FLAT SS BELT IMPINGEMENT IQF



Description

Conveyor belts made from specialized alloys for food freezing applications, along with the impingement principle, help products to be frozen in an extremely short time while still maintaining freshness, color and all nutrition.

Flat IQF conveyor belt is suitable for pangasius, basa, and salmon products; with specifications such as fillet, cut into pieces, cut into butterfly.

Technical Information

NO.	MODEL	CAPACITY (KG/H)	IN/OUT TEMPERATURE	DIMENSION (MM)
1	Phan Bach Freezer F500	500	+10°C / -18°C	12000L x 3200W x 3300H
2	Phan Bach Freezer F750	750	+10°C / -18°C	15500L x 3200W x 3300H
3	Phan Bach Freezer F1000	1000	+10°C / -18°C	19000L x 3500W x 3300H
4	Phan Bach Freezer F1500	1500	+10°C / -18°C	19000L x 3500W x 3300H
5	Phan Bach Freezer F2000	2000	+10°C / -18°C	22000L x 3500W x 3300H



2. MESH SS BELT IMPINGEMENT IQF



Description

With wide-open mesh conveyors, products on the conveyor belt are directly exposed to thousands of cold air jets blown at high pressure and velocity. From there, the product is quickly frozen while ensuring freshness, color and flavor.

IQF mesh conveyor belt is suitable for shrimp seafood products PDTO, HOSO, HLSO; or agricultural products like dragon fruit, sliced mango, and pomegranate seeds.

Technical Information

NO.	MODEL	CAPACITY (KG/H)	IN/OUT TEMPERATURE	DIMENSION (MM)
1	Phan Bach Freezer M300	300	+10°C / -18°C	6200L x 3200W x 3300H
2	Phan Bach Freezer F750	600	+10°C / -18°C	11000L x 3200W x 3300H
3	Phan Bach Freezer F1000	1000	+10°C / -18°C	16000L x 3200W x 3300H
4	Phan Bach Freezer F1500	1200	+10°C / -18°C	21000L x 3200W x 3300H



3. MULTI BLOCK QUICK FREEZER (BQF)



Description

BQF conveyor belt meets the freezing needs of up to 6 different products at a time.

Products are divided into different freezing cells and have independent freezing times, limiting cross-contamination.

BQF conveyors are a great choice for processing plants that have a variety of products and require flexibility in the freezing process.

Technical Information

NO.	MODEL	CAPACITY (KG/H)	IN/OUT TEMPERATURE	DIMENSION (MM)
1	Phan Bach BQF 500	500	+10°C / -18°C	7800L x 4500W x 3500H
2	Phan Bach BQF 1000	1000	+10°C / -18°C	12600L x 4500W x 3500H



4. HARDENER & ICE GLAZER



Description

With hardening and automatic glazing needs, we have products to suit every customer's needs.

Technical Information

NO.	MODEL	CAPACITY (KG/H)	IN/OUT TEMPERATURE	DIMENSION (MM)
1	Phan Bach Freezer RF900	900	-10°C / -18°C	6200L x 3200W x 3300H
2	Phan Bach Freezer RF1500	1500	-10°C / -18°C	9000L x 3200W x 3300H
3	Phan Bach Freezer RF2000	2000	-10°C / -18°C	11500L x 3200W x 3300H
4	Phan Bach Freezer RF2500	2500	-10°C / -18°C	14000L x 3200W x 3300H



NO.	MODEL	GLAZING METHOD
1	JetCool Freezer IG - Dip	Water Dipping
2	JetCool Freezer IG - Spray	Water Spraying

5. CONTACT PLATE FREEZER



Description

Contact freezer products use imported European alloy plates, providing high heat transfer efficiency and evenness throughout the plate.

At the same time, operation is completely simple thanks to lifting and lowering plates using a hydraulic system, making it easy for the factory to manipulate and freeze products.

Technical Information

NO.	MODEL	CAPACITY (KG/BATCH)	NO. OF PLATE	IN/OUT TEMPERATURE
1	Phan Bach CF 750	750	10	+10°C / -18°C
2	Phan Bach CF 1000	1000	12	+10°C / -18°C
3	Phan Bach CF 1500	1500	16	+10°C / -18°C
4	Phan Bach CF 2000	2000	18	+10°C / -18°C

6. AIR BLAST FREEZER



Description

Air freezing applications are diverse for items from small to oversized, making it a suitable freezing equipment for all processing factories.

With refrigeration units designed and manufactured by German engineers, the equipment operates strongly and provides high freezing performance, while ensuring long product life.

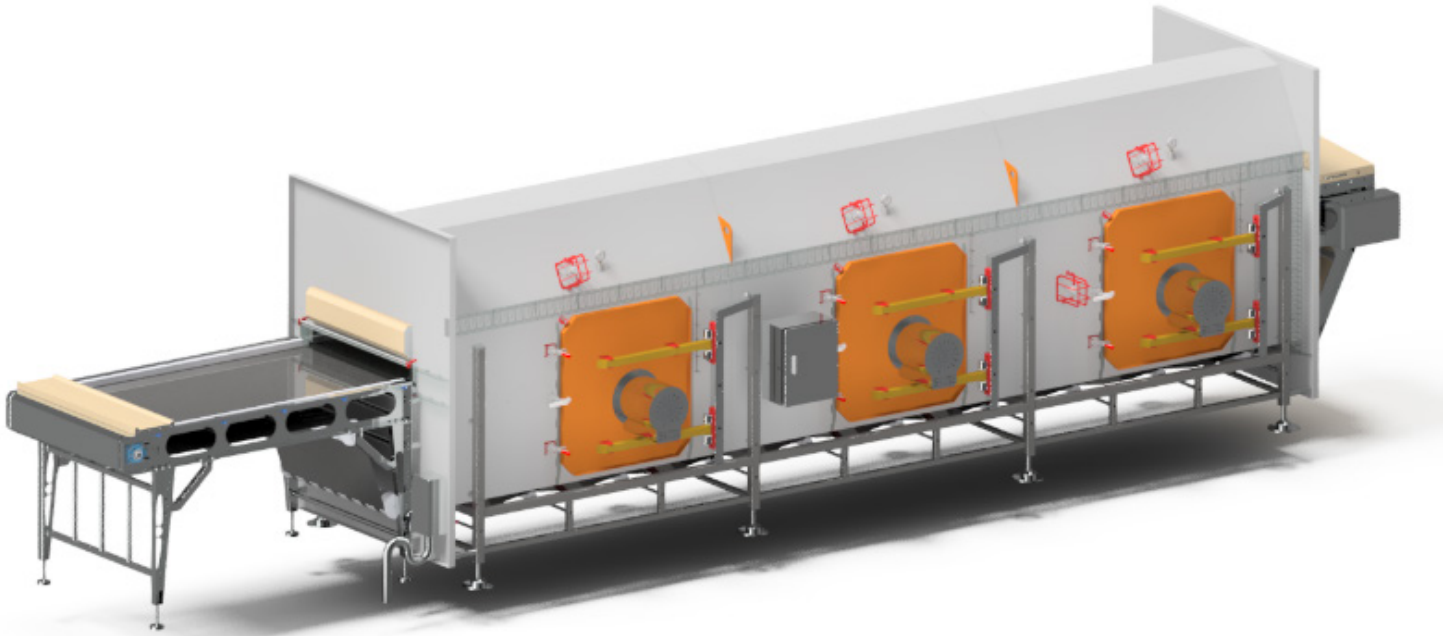
Technical Information

NO.	MODEL	CAPACITY (KG/BATCH)	NO. OF CHAMBERS	IN/OUT TEMPERATURE
1	Phan Bach ABF 250	250	1	+10°C / -18°C
2	Phan Bach ABF 500	500	2	+10°C / -18°C
3	Phan Bach ABF 750	750	3	+10°C / -18°C
4	Phan Bach ABF 1000	1000	4	+10°C / -18°C

COOKING

EQUIPMENT

7. STEAM COOKER



Description

The steaming conveyor uses high-pressure forced technology and a high-pressure spray chamber that passes through the product at a controlled temperature.

Steam Principle

The steam is circulated under pressure and passes through the product at a controlled temperature, so the product is steamed evenly, preventing the product from overcooking on the outer surface of the shrimp body.

Advanced Features

- . Precise control of time and temperature.
- . The product is cooked evenly, the center of the product is $\geq 70^{\circ}\text{C}$.
- . Low product loss.

NOTABLE PROJECTS





KOREAN COLD STORAGE

PHO NOI A, HUNG YEN

Turnkey refrigeration system for automatic cold storage:

- . Refrigeration compressor
- . AS/RS evaporators
- . Evaporative condenser
- . PLC & SCADA system





VIET COLDCHAIN

DUC HOA, LONG AN

Turnkey refrigeration system for 25,000 pallets cold storage:

- . Japanese compressor
- . German evaporator
- . Agriculture processing IQF and Freezers
- . PLC & SCADA system





CỔ MÁY IMEXCO

LAI VUNG, DONG THAP

Turnkey refrigeration system with 05 lines of impingement IQF

- . 05 lines of JetCool Freezer flat speed freezing conveyor
- . EU refrigeration compressor system
- . EU evaporative condenser
- . EU cold evaporator
- . Pressure tank and pipeline systems
- . Electrodynamics and control systems





SEAFOODS



VINH HOAN



FATIFISHCO



PHÚC TÂM LỢI



HẢI HƯƠNG



FOOD & BEVERAGES



Suntory PepsiCo Vietnam Beverage



COLD CHAINS





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