

Feel the Edge of being Simple

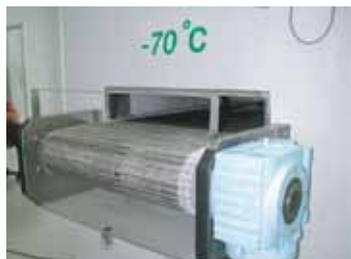
Temperature Controller



Temperature Indicator



FRONT - RUNNER IN REFRIGERATOR



AC variable speed drive gear box with TEFC motor.

At first glimpse, most people may wonder why it is so simple and common. Notwithstanding, if one profoundly determine at its phenomenal performance, one will realize why being simple is the best. This is "Tunnel Freezer by ITC". It features the following word of simple

- Saves time, energy and effort
- Internal structure is made from stainless steel, which is corrosion resistant material
- Modified with double impingement air flow varying in high and medium velocity
- Performs high efficiency, reliability and durability
- Largely used in food industries
- Empowered with PLC touch screen control for fast and smooth operation



Figure 1 ITC 's testing laboratory
a) A cooked peeled shrimp in pre-test freezing
b) A cooked peeled shrimp in post-test freezing
c) ITC's thermo data logger

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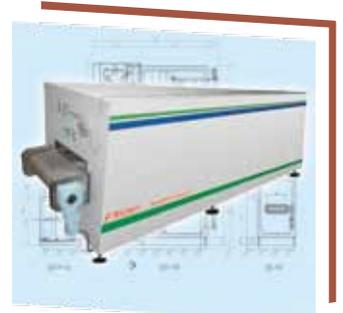
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i. Freezer -70 °C

Tunnel Freezer By itc



How does it perform?

PLC Touch Screen Control is a very fast and smooth operation controller. Certainly, that this unique freezer can quickly freeze the products with an even air distribution can prevent them from spoiling.

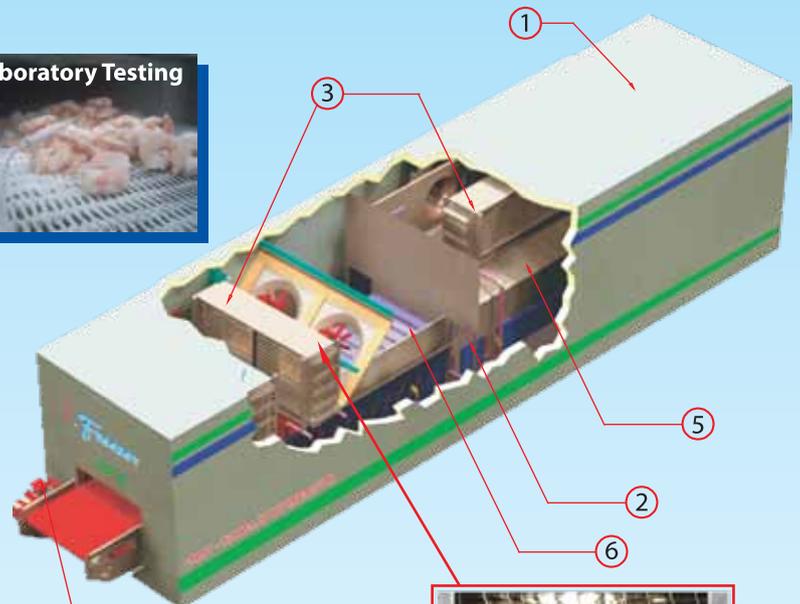
A conveyor belt, assembled from stainless steel, has many optional designs (mesh form, thread-like, etc.) depending on manufacturer's and customer's requests. Moreover, the Dual Impingement Airflow can create perfect air distribution which can accelerate the freezing and the heat transfer process in the machine. It can reduce weight loss and minimize dehydration the products. Therefore, in term of performance, Tunnel Freezer definitely has the edge over its competitors.

Figure 2a & 2b. An outfeed pathway of Tunnel Freezer

(1a.) A cooked peeled shrimp & (1b.) frozen pineapple product

ITEM NO.	DESCRIPTION
1.	125 mm thick enclosure panel of polyurethane foam with colorbond exterior surfaces, stainless steel interior surfaces complete with heated access door and vapor proof light, temperature indicator.
2.	Air baffle & partition access doors.
3.	Stainless Steel Evap. Coil and variable aluminium fin pitch arranged for liquid ammonia or freon recirculation, complete with TEFC fan motor prewire to junction box, unit can be arranged for hot gas, water or electric defrost.
4.	AC variable speed drive gear box with TEFC motor.
5.	High velocity with double impingement air flow.
6.	Medium velocity with double impingement air flow.

Laboratory Testing



AC variable speed drive gear box with TEFC motor.



Single piece Fin, See through Clean Evaporator Coil with Variable fin pitch.

TUNNEL FREEZER DATA

Model	Nom. Capacity (kg/hr)	Belt Width (m)	Eff. Belt Length (m)	Over all Dimension (m)		
				Length (A)	Width (B)	Height (C)
ULTF112045	200	1.2	4.5	7.5	2.2	2.6
ULTF112090	500	1.2	9.0	12.0	2.2	2.6
ULTF112135	700	1.2	13.5	16.5	2.2	2.8
ULTF112180	1000	1.2	18.0	21.0	2.2	2.8

- Note: 1.) Above Nominal capacity based on cooked peeled shrimp 26-30 counts/pound, Product infeed 10°C Product out feed -18°C and Evaporating temp. -70°C.
 2.) Other capacity and dimension are available. Please contact manufacturer.
 3.) The ambient air surrounding the tunnel should be low temperature and low humidity.
 4.) Specifications subject to change without notice.