Flash Freeze

SAMPLE SPECIFICATIONS AND DATA

Biggest Benefits of 3D Freezers

Decrease in Drip Loss

Reduce the drip loss in your product to store products longer!

Reduction of Running Cost

Reduce running and operational costs and make your business more efficient!

Increase in Frozen Product Quality

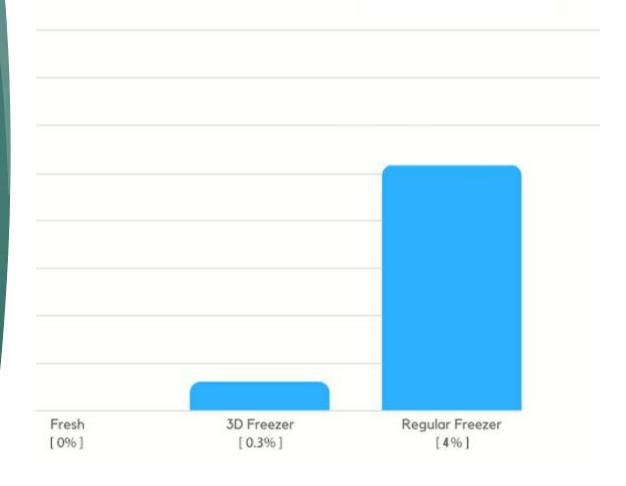
Maintain high product quality despite long storage times!

Drip Loss Percentage

- Includes drip loss percentages of food when compared to:
- ▶ Fresh Unprocessed State
- ► After using a 3D Freezer
- ► Using a Regular Freezer

Drip Loss Percentage

PERCENTAGE ANALYSIS RATIO



Money Lost (Driploss)						
Price of Skipjack Tuna (Yen/Kg) 1,400						
Capacity (Kg/hour)	Capacity (Kg/day)	Running time				
500	5,000	10 hours				
3D Freezer Driploss	Regular Freezer Driploss	Difference				
0.30%	4.00%	3.70%				
Difference in Driploss (Kg/day)	Difference in Driploss (Kg/month)	Difference in Driploss (Kg/year)				
185	5,735	67,525				
Money Lost Per Year (Yen)	Losses based on using a Regular					
94,535,000	Freezer					

Losses Based on Driploss [Example]

Example of Driploss Reduction



Profit Increase

ADDING OUR CUSTOM 3D TUNNEL AND SPIRAL FREEZER TO YOUR BUSINESS WILL HELP YOU DRASTICALLY INCREASE YOUR PROFIT MARGIN AND IMPROVE PRODUCT MAINTENANCE, PRESERVABILITY AND INVENTORY MAINTENANCE

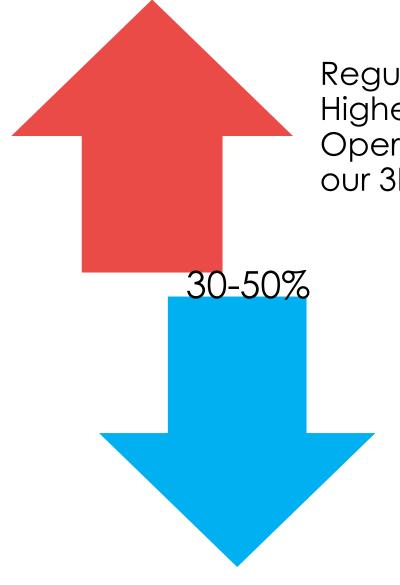
By implementing our 3D Freezers, you will be able to boost your profits in two ways:

1. Lower Drip Loss

Lowering Drip loss will result in products lasting longer, making it easier to have stock all year round and minimize inventory waste

2. Lower Power Consumption:

Our 3D Tunnel Freezers boast having about half of the electrical costs of a typical freezer of this scale

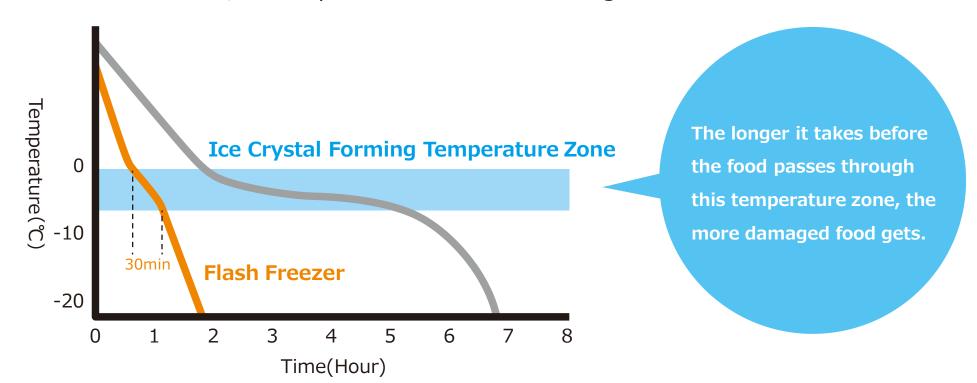


Regular Blast Freezers have Higher Electrical Operational Expenses VS our 3D Freezer.

> Our 3D Tunnel and Spiral Freezers Lower Electrical Costs and Operational Expenses by almost 30-50%

High Speed Efficiency While Ensuring Quality

By letting food pass through the ice crystal forming temperature zone (Between -1 and -5℃) within 30 min, ice crystals do not damage the food cells, and it prevents food from losing its taste and flavor



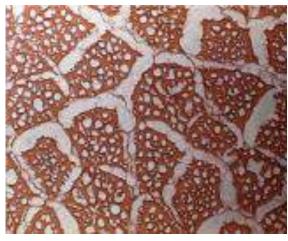
Cellular Structure and Wall Preservation

Food cells before Freezing



Food cells look untouched and healthy

Food cells after Fash Freezing



Small ice crystals were formed and they hardly damaged the cellular structure



Huge ice crystals were formed and they damaged the cellular structure

No Internal Frost Production

By generating steam inside the freezer, we observed the amount of frost in both. You can see that frost in a conventional freezer is clogging. In contrast to that, in a 3D freezer there is no clogging.



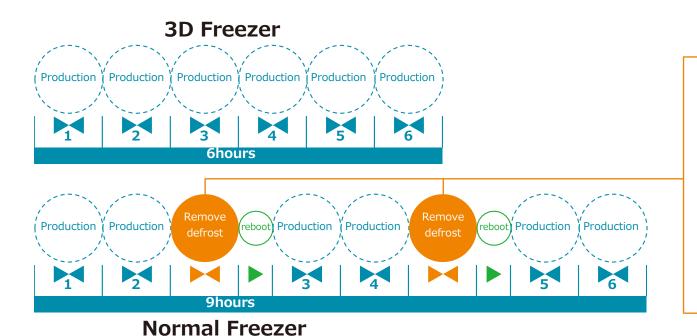
Conventional Freezer



3D Freezer



Production Rate



The 3D Freezer does not experience this issue.

upon the compressor.

Frost causes the internal temperature to increase. This puts additional load

Fin Coil

Running Cost And Production

	Power consumption (when working)	Power consumption (when removing frost)	Removing frost	Hours of operation	Production number (per hour)	Production number (per day)	Power consumption (per day)	Electrical fee (per day)
3D freezer	22.8kw/h	7.2kw/h	0	15 hour	1,600	24,000	342.0kw/h	0.29yen
Conventional Air Blast Freezer	24.2kw/h	19.9kw/h	4	11 hour	1,600	17,600	19.9kw/h	0.39yen

Weight of product (food)

	Grilled rice ball						
	Before freezing	After freezing	After defrosting				
3D freezer	100g	96g	99g				
Conventional Air Blast Freezer	100g	92g	95g				

Productivity increased 36% Reduce
0.1yen(26%)
per product!

Yield rate raised 4%!

Since 3D freezers prevent food from drying, the yield rate got higher!

Freezing Test Results

A LOOK AT PRODUCTS FROZEN USING THE 3D FREEZER

Frozen To Defrost: Sushi





Fresh Vs Frozen: Shrimp



Frozen To Defrost: Sushi



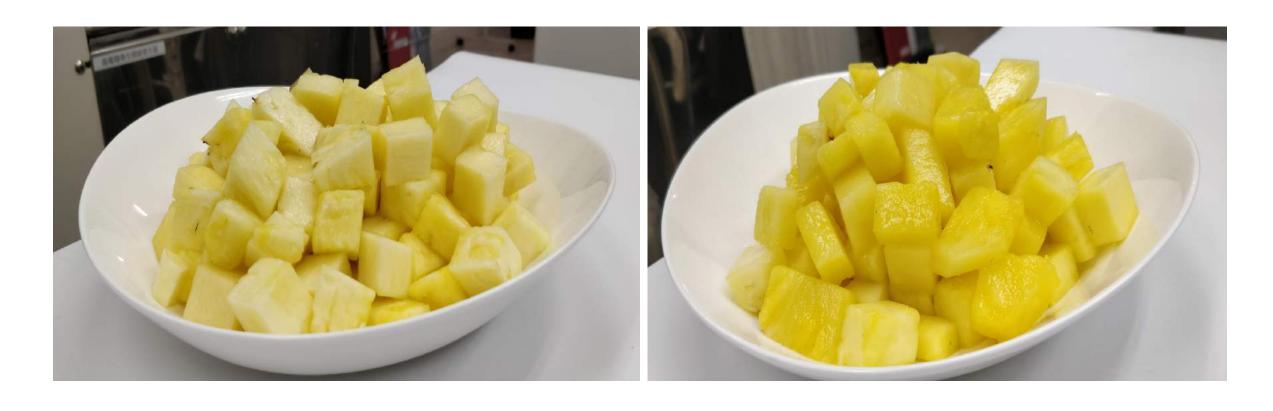


Frozen To Defrost : Salmon





Frozen to Defrost : Pineapple



Frozen to Defrost: Mango





Frozen to Defrost: Cake





Exceptional Quality After Defrosting

WITH THE 3D FREEZER'S
ADVANCED ACVCS
TECHNOLOGY, OVERALL
PRODUCT QUALITY REMAINS
UNCHANGED AND
PRODUCTS RETAIN THEIR
TEXTURE AND FLAVOR

Final Words and Quality Assurance

We at flash-freeze.net believe in brining the best service and satisfaction to our valued customers.

Given the scale of our operations, there are lots of factors to keep in mind when making a purchase. But we will be sure to help you every step of the way!

And you can be sure of one thing, when it comes to quality, we do not compromise.

Thank you for your patronage.

Flash-Freeze.net

The Pinnacle of Flash Freezing Technology

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