

# Single Crust Freezer

Type : FT/SCF 650 - 1000 Series

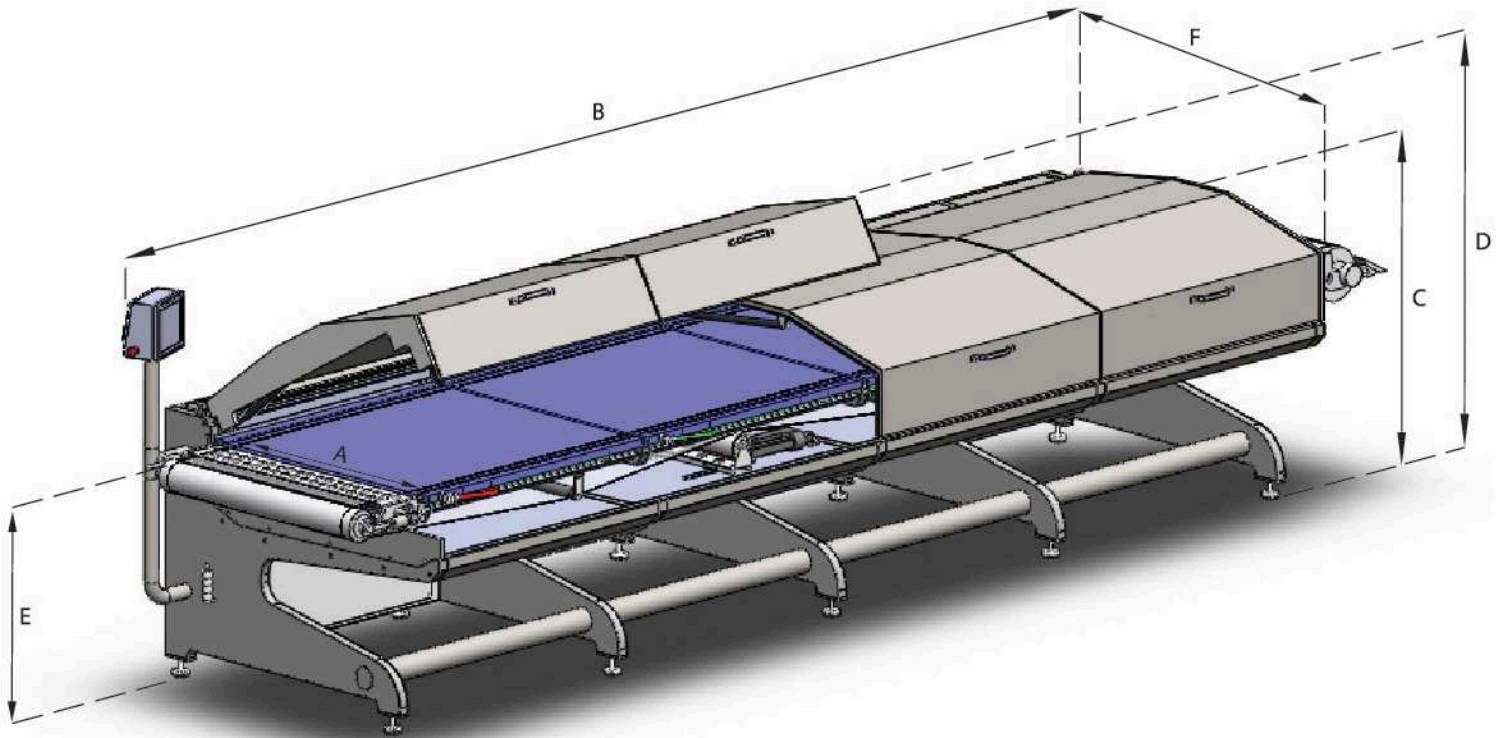
*FREEZING & TEMPERATURE DIVISION*



- Fully factory assembled
- Prevents belt marks
- Compact unit
- Cost effective
- Easy to clean

# SINGLE CRUST FREEZER

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Single Crust Freezer Type: FT/SCF 650 - 1000 Series		FT/SCF 650/3	FT/SCF 650/4	FT/SCF 650/5	FT/SCF 1000/3	FT/SCF 1000/4	FT/SCF 1000/5
TECHNICAL DATA							
No. of Plates		3	4	5	3	4	5
Belt Width	(A) (mm) :	650	650	650	1,000	1,000	1,000
No. of Belts		1	1	1	1	1	1
Belt Speed	(seconds) :	25 - 125	25 - 125	25 - 125	25 - 125	25 - 125	25 - 125
Max. Product Height	(mm) :	200	200	200	200	200	200
Overall Length	(B) (mm) :	4,700	5,950	7,250	4,700	5,950	7,250
Height	(C) (mm) :	1,650	1,650	1,650	1,650	1,650	1,650
Height (Cleaning Mode)	(D) (mm) :	1,900	1,900	1,900	2,100	2,100	2,100
In-feed Height:	(E) (mm) :	1,000	1,000	1,000	1,000	1,000	1,000
Overall Width	(F) (mm) :	1,350	1,350	1,350	1,650	1,650	1,650
Freezing Plate Capacity	(kW) :	13.97	18.62	23.28	21.49	28.65	35.81
Voltage	(V) :	3 x 400/50Hz	3 x 400/50Hz	3 x 400/50Hz	3 x 400/50Hz	3 x 400/50Hz	3 x 400/50Hz

#### Design:

Enclosure : Stainless Steel Hood  
 Execution : Stainless Steel  
 Surface : Bead Blasted

#### PLC/Touch Screen Control Panel:

- Digital reading of freezing time
- Adjustment of contact freezer belt speed
- Digital reading of cooling plate temperature
- Start/Stop of belt & fans
- Emergency stop mounted on front of cabinet

\*All above mentioned details are subject to change without notice.

The Marel Single Crust Freezer freezes the outer bottom surface of the product, which is in direct contact with the belt, preparing the product for a variety of freezing applications such as slicing/cutting operations. The Single Crust Freezer can also be used for various other applications such as avoiding belt marks on products prior entering the main IQF Freezers and increasing capacities for existing IQF Freezers.

The Single Crust Freezer is a fully factory assembled series, which offers great savings in terms of installation time at site. The products are placed on a thin continuous plastic film belt and gently led through the freezing zone. Cooling plates are mounted under the belt ensuring a fast crust freezing of products "underside".

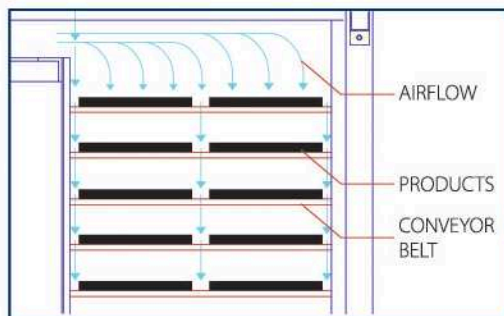
The freezing zone is built into a fully welded insulated stainless steel cabinet. The insulated cover is designed for easy cleaning and maintenance.

Sea water resistant Aluminium Freezing plates are used for efficient Heat Transfer. The unit is equipped with fans above the product, which can be optionally operated for better air distribution inside the unit.

The unit is equipped with a Special Belt Control System that ensures a straight, smooth and trouble free operation at all times.

The Single Crust Freezer can be used as a stand-alone unit or as an integrated part of a fully automated processing line.

### Belt Markings & Deformed Products



Vertical airflow pushes product into the Mesh belt

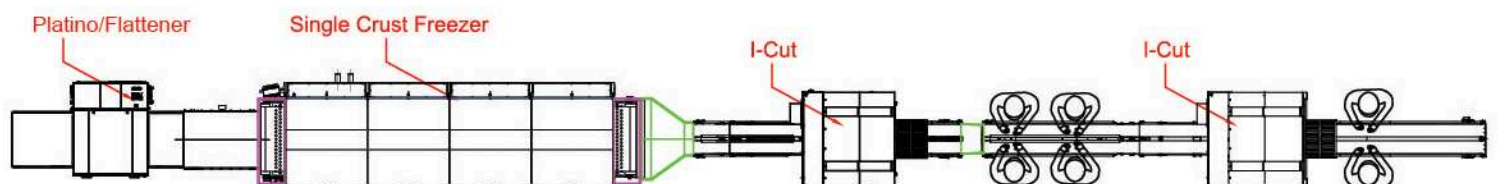
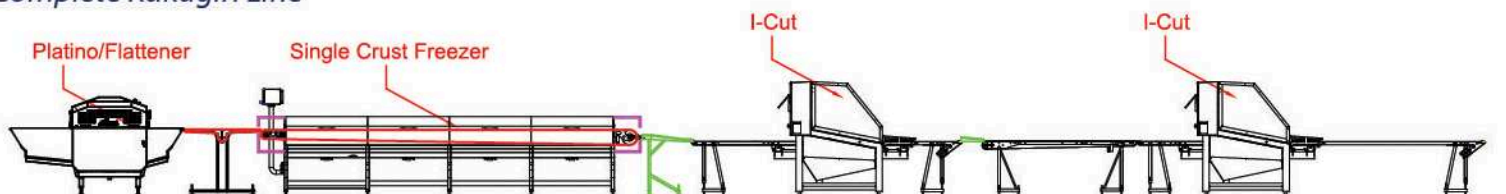


With Crust Freezing



Without Crust Freezing

### Complete Kakugiri Line



# Worldwide Service



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