

CREATIVE TECHNOLOGY FOR THE FOOD PROCESSING INDUSTRY



MCG
TRADING 
HANDEL ► VERHUUR

Order date:
Order number

23-9-2026
25239

Order confirmation

MCG Trading B.V.
Attn. M. Goud
Amfoor 6
4421 SE Kapelle
Nederland

Order number 25239
Order date : 23-9-2026
Your order number :
Email : maarten@mcgtrading.nl

IQF spiral freezer production line 2

Dear M. Goud

We thank you very much for your order as described above.

Products specifications

Capacity: 3600 kg/hr
Products: Several pre-fried cheese & vegetable products

We will take care that your order is executed to your entire satisfaction.

Kind regards,
Maarten Goud



A) Budget overview

Pos	Description	Quantity	Unit Price	Amount
20	SF-375/100-35 Spiralfreezer	1 Pieces		

Total excl. VAT:



B) Technical specifications per item

10 Project engineering

This position concerns the costs for communication with respect to planning and technical/practical details, lay out design and complete project management from start to finish.
There will be one point of contact for the whole duration of the project.

Before production start, drawings will be shared.

General specifications:

- Products:
 - Several mozzarella products
 - Hash Brown
 - Spinach bites
 - Nacho Cheese
 - Chili cheese nuggets
- Retention time: 45 minuten
- Infeed temperatuur: appr max 70°C depending on product
- Outfeed temperatuur: -18°C
- Capacity: appr. 3.600kg/hr
- Belt load: appr 4 kg/mtr
- The freezer will be supported on leveling feet. No further civil works are necessary, taken the floor is stable enough to carry the load .
- Freezer will placed on support frame of 500mm

Manuals will be supplied in following languages:

- English, Dutch, Hungarian, Romanian.

All parameters are based on input of customer.

20 SF-375/100-35 Spiralfreezer

Copy of mirrored freezer as lately supplied (order reference 24091) All extra and additional supplied items are included in the scope.

The MCG Trading B.V. 'site built' freezer combines a compact and hygienic design with a sophisticated technical system, conveying products up thru the spiral during which time they will be cooled down to required temperature below zero.

The product is being fed on the spiral belt infeed section into the freezer. The belt spirals around the rotating drum using the direct drive principle.

The cold freezing air is blown horizontally in between the tiers, over the product.
In this way, an efficient transfer of cold energy is transferred to the product.

Reliability, good cleanability and low maintenance are key features of this design.



B) Technical specifications per item

All materials are high grade and suitable for use in sub zero temperatures.
The housing is inside as well as outside completely welded and insulated with a high insulation factor.

- Belt speed: nominal appr 15 m/min
- Belt type: SS TBU-6,4-40-1.6-6/R1,6
- Belt drive: Direct drive using special profiles on the drum.
- Belt width effective: 1.000mm (outside width 1090mm)
- Belt length effective appr 670 mtr
- Belt length total appr 700 mtr
- Belt support: SS strips with HMPE (blue) sliding profiles
- Easy replaceable solid plastic support at in- and outfeed.
- Drum diameter: appr $\varnothing$ 3.700 mm
- No of tiers: 35 st
- Free space between tiers: appr. 113 mm
- Total tier height: 163 mm
- Evaporation temperature: -36°C
- Coolant: NH3 Pump system
- Evaporator material: SS. pipes with AlMg lamellae
- Cooling power: appr 600 kW consumed. (900kW installed)
- Fans: 6 ps @ appr 11 KW
- Drum drive appr: 22KW
- Belt drive: appr 1,5 KW
- Sequential defrost systeem: inclusive (hot gas)
- Air pressure compensation: inclusive at infeed.
- Dimensions: L x B x H = appr 11.000 x 7.600 x 7.750mm
- Free space underneath floor appr. 400-500mm
- Total housing height : appr. 8.000mm
- Infeed height: appr 1.000 mm
- Outfeed height: appr. 7.100mm
- Lay-out: 180° (in/outfeed under angle)
- Panels : 140mm / 0,025 W/mK
- Number of doors: 6 pcs with tracing
- Anti-slip on walking paths
- 2 platforms across the height



B) Technical specifications per item



Mirrored version of line 1

30 Full CIP system executed i.c.w. foamunit

Copy of mirrored freezer as lately supplied (order reference 24091) All extra and additional supplied items are included in the scope.

The spiral freezer will be equipped with CIP system containing:

- Belt washer with double spray bar at the infeed.
- Rotating nozzles on the drum
- Fixed spray bar on the drum
- Rotating nozzles covering the room.
- Nozzles divided in circuits using pneumatical valves
- SS piping
- Foam/pump unit inclusive.
- connection for 2 different detergents inclusive (switch automatically)

Example pictures:



B) Technical specifications per item



40 Controlsystem and cabling

Copy of mirrored freezer as lately supplied (order reference 24091) All extra and additional supplied items are included in the scope.

Electrical installation and controls for spiral freezer consisting of:

- Electrical cabinet 1200x2000x400mm
- Siemens plc and touchscreen 22 inch
- Communication protocol Profinet.
- Frequency controllers Danfoss
- Relais, automatic switches and securities Schneider Electric
- Door sensors, as well as sensors for product presence, belt, defrost position and roof hatch.
- Connection of door tracing
- Temperature control of airpressure compensation
- Emergency stops and cord
- Contacts for communication with line control



B) Technical specifications per item

- Contacts for cooling compressor
- Wiring within and directly around the tunnel
- SS cable tray in and on the tunnel.
- Cable between electrical cabinet and control panel inclusive (appr 45 mtr)
- Cable coding: included
- Main switches drives: included
- As built drawings
- Language on HMI: English, Dutch, Hungarian, Romanian.

50 Transport and packing

Packing and transporting the machine parts to your production facility.

60 Installation on site and commissioning

This position includes the installation costs.

Including:

- Equipment installation and setup
- Installation of catwalks and access stairs where applicable

Exclusive:

- Dismantle and / or removal of existing equipment
- Hire forklift and / or access platforms
- Hoisting work for installation (Assistance with assembly by customer)



C) Conditions of supply

Excluded:	• VAT • Building modifications • Modifications to existing equipment • Bank costs												
Included:	• CE + usermanual in Dutch / English language (digital release) • Installation on site and materials • Lifiting equipment on site • Electrical components and cabinet • Transport and packaging • Lay-out engineering												
Execution:	AISI 304 unless described otherwise and not for drive components. Finish ceramic beat blasted/Pickled and passivated.												
Delivery date:													
Terms of delivery:	DDP Kapelle, according Metaalunie conditions, we are unable to accept any purchase conditions you may suggest.												
Payment:	<table><tr><td>20%</td><td>On order</td></tr><tr><td>10%</td><td>After providing technical specifications</td></tr><tr><td>20%</td><td>After final lay-out</td></tr><tr><td>30%</td><td>Prior to shipment and after PDA</td></tr><tr><td>10%</td><td>After installation on site</td></tr><tr><td>10%</td><td>After commissioning and SAT</td></tr></table>	20%	On order	10%	After providing technical specifications	20%	After final lay-out	30%	Prior to shipment and after PDA	10%	After installation on site	10%	After commissioning and SAT
20%	On order												
10%	After providing technical specifications												
20%	After final lay-out												
30%	Prior to shipment and after PDA												
10%	After installation on site												
10%	After commissioning and SAT												
Remark:	• The order will be accepted after approval from Atradius (Dutch Credit insurance company). • Delivered items as described in this order are the property of MCG Trading B.V. until full payment has been paid to the relevant bank account number. • MCG Trading B.V. will not be responsible and will not be liable for any damage, loss or penalties due to a shortcoming in the fulfilment of its obligations. Exceeding the delivery time and / or execution period does not in any way entitle the client to terminate the agreement. Due to the extreme unpredictability of the rising commodity prices and												



availability in the current market, MCG Trading B.V. reserves the right to re-calculate previously quoted prices at the moment of formalisation of the order.

Warranty:

Standard 1 year on mechanical construction and guarantee terms of sub suppliers for purchased parts. 5 years on isolated housing of freezer.

