



COMPLETE PACKAGING LINE

ICE CUBES

- UP TO 50 b.p.m.
- MINIMISES BREAKAGE
- COMPACT INSTALLATION



HIGH PRODUCTIVITY IN ONLY 24 m²

THIS COMPLETE PACKAGING LINE
IS SO COMPACT THAT IT CAN BE
INSTALLED IN ONLY 24m²



LEADERS IN THE MANUFACTURE OF
VERTICAL PACKAGING MACHINERY

COMPLETE PACKAGING LINE

ICE CUBES

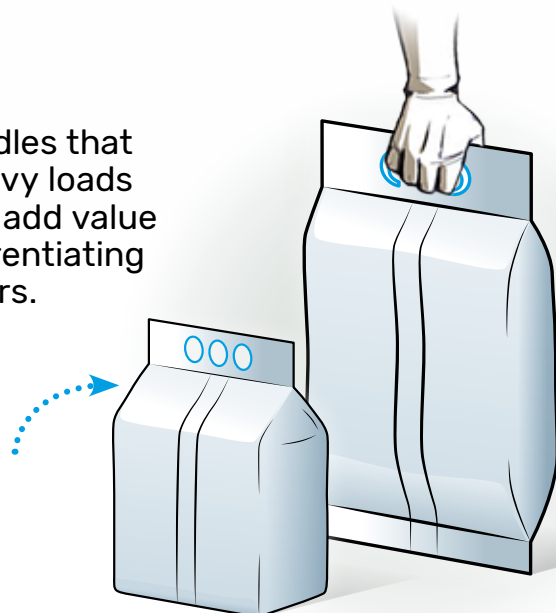
24 m² have never been so productive

High speed
High profitability

With its delicateness and reliability and the strength of its welds, this complete packaging line for ice cubes can produce 50 bags per minute, making it a true market beater. Enjoy the peace of mind of never failing to satisfy an order.

**Easier for
the customer**

Create sacks with handles that make transporting heavy loads more comfortable and add value for your product, differentiating it from your competitors.



THREE HOLE HANDLE

Provides extra strength for the packaging of heavy contents.

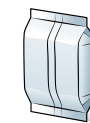
Contact us.

TYPES OF BAGS AND SIZES MADE BY PACKAGING UNITS

NS BAG



Pillow Pack



Gusseted

DIMENSIONS

Adjustable width
50 mm - 260 mm

Adjustable length
40 mm - 450 mm

EN STD



Pillow Pack EN SACK



Block Bottom EN SACK

DIMENSIONS

Adjustable width
150 mm - 470 mm

Adjustable length
250 mm - 800 mm

**Top quality materials
and components**

We understand the tough environments in which our machines work, so we do not skimp on quality. We always use top quality materials and components from world leading brands that guarantee the durability, robustness and reliability of our machines.

VIDEO >>>
Want to see it in action?



ICE CUBES

#1

VOLUMETRIC DISPENSER

DV-4V

This dispenser takes care of the ice cube and protects it during the entire weighing process, from the input to the output or discharge of the product into the IRTA NS BAG bagger.

- Interior polymer coating prevents the cubes breaking and sticking inside the hopper
- Volume capacity adjustable from screen
- Servomotor powered



VERSATILE AND MULTI-FUNCTION

The packaging units can operate independently and autonomously, being able to make several types of 2 kg bags of ice cubes, in the case of

the NS BAG, or bulk sacks of up to 10 kg of ice cubes, with the EN STD.

#2

FORM-FILL-SEAL BAGGER UNIT

IRTA NS BAG

The packaging unit makes bags holding up to 2 kg of ice cubes. Its moving action allows the film to be welded while the plastic is being pulled, which lengthens the cooling time for the weld. This is essential for the type of plastics used in packaging these products.

- Equipped with 4 servos (including the dispenser)
- Bag length can be configured from the screen
- Uniform winding of the film with the motorised roller
- Double spool for quick changes
- Up to 50 x 2 kg bags per minute

#3

LIFTING SYSTEM

CA1-200 + CE2-300

Comprising the Lifting Belt (CE2-300) and the Accelerator Belt (CA1-200), which work together in harmony to transport the ice cube bags from the packaging unit (NS BAG) to the bagging unit (EN STD) quickly and efficiently.

- Delicate transportation of the bags, avoiding breakage of the product
- Fully customisable and adjustable for the location of the packaging and bagging units

#4

MULTIFORMAT PACKING UNIT

IRTA EN STD

This unit, which is not very tall, is responsible for making the sacks that hold the bags of ice cubes.

- The parameters for the sack can be set on screen.
- Synchronisation of movements for creation of the sack
- Lifting device for easy changes of reels (included as standard)
 - Double reel for quick changes
 - Up to 10 sacks of 5 x 2 kg bags per minute



#4

THE IRTA NS BAG IS THE KEY TO THE HIGH PERFORMANCE AND SPEED OF OUR COMPLETE PACKAGING LINE



ADDITIONALLY, the line can be completed with a conveyor belt at the exit of the EN STD bagger to speed up delivery of the sack to its destination (palletiser, storage chamber, loading dock...)



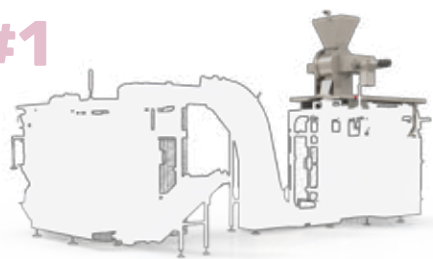
We manufacture to your specifications

Contact our R+D+i Department and let us know your needs.

COMPONENTS OF THE COMPLETE PACKAGING LINE FOR ICE CUBES
MAIN TECHNICAL CHARACTERISTICS

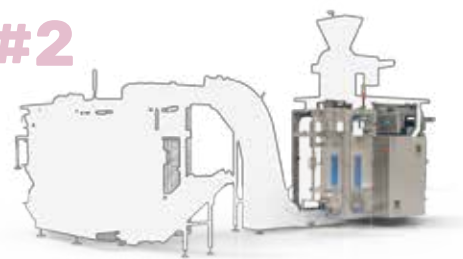


#1



VOLUMETRIC DISPENSER
DV-4V

#2



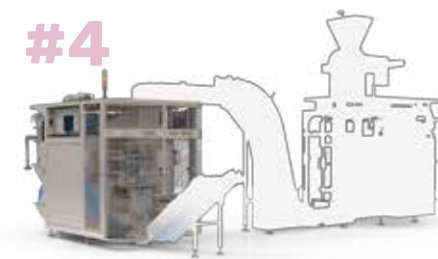
FORM-FILL-SEAL BAGGER
IRTA NS BAG

#3



LIFTING SYSTEM
CA1-200 + CE2-300

#4



MULTIFORMAT PACKAGING UNIT
IRTA EN STD



STANDARD FEATURES

	#2 NS BAG	#4 EN STD
Finish	Stainless steel AISI 316	Stainless steel AISI 316
Maximum performance	75 cycles/min.	50 cycles/min.
Power consumption (max nominal value)	8 KVA	5,5 KVA
Network connection	230 / 400 Vca	230 / 400 Vca
Type of protection	IP 65	IP 55
Servomotors	Rockwell	Rockwell
Pneumatics	Festo	Festo
Vacuum pump	Becker	Becker
Air consumption	12 NI / Cycle	12 NI / Cycle
Centralised lubrication	Automatic	Automatic
Management of movement and field elements	Bus Ethernet	Bus Ethernet
Shaft control. Motion functions implemented	Yes	Yes
Regulation of weld temperature, time and pressure	Yes	Yes
Quick and easy changes of all parameters	Yes	Yes
Anti-trapping system	Included as standard	Included as standard
Fast film splicing system	Included as standard	Included as standard
Quick reel changeover (expandable shaft)	Yes	Yes
Reel, max width/diameter	750 / 350 mm	750 / 600 mm
Reel chuck	75 mm	75 mm
Pulling of the film	Continuous	Vacuum belts
End of film warning	Yes	Yes
LAN ethernet connection	Included as standard	Included as standard
Colour touch-screen display	10"	10"
Interface languages	ES / EN / DE / FR	ES / EN / DE / FR
Encoder bracket	Yes	Yes
Flat bottom or gusseted	No	Included as standard



EXPANSION KITS

Encoders	Yes	Yes
Product exit belts	Yes	Yes
Film perforator	Yes	Yes

STANDARD FEATURES

	#1 DV-4V
Finish	Stainless steel AISI 304
Network connection	230 / 400 Vca
Type of protection	IP 65
Product input	Vertical
Rotation and turning	By servo
Volume regulation	Motorised
Interior lining	PE1000 food grade



DV-4V VOLUMETRIC DISPENSER

Controlled from the interface of the IRTA NS BAG bagger unit

STANDARD FEATURES

	#3 CA1-200 + CE2-300
Finish	Stainless steel AISI 304
Network connection	230 / 400 Vca
Type of protection	IP 65
Product input	Modular sandwich-type belt
Product acceleration	"V" belt arrangement
Lifting belt width	300 mm
Accelerator belt width	200 mm



LIFTING SYSTEM CA1-200 + CE2-300

Controlled from the interface of the IRTA EN STD multifformat packaging unit



We manufacture to your specifications

Contact our R+D+i Department and let us know your needs.

LEADERS IN THE MANUFACTURE OF VERTICAL PACKAGING MACHINERY

**WE DESIGN, DEVELOP AND MANUFACTURE
MACHINERY, ACCESSORIES AND COMPLEMENTS**

ADAPTABLE TO ANY KIND OF PRODUCT

VAST RANGE OF OPTIONAL EQUIPMENT AVAILABLE

MAXIMUM FINISH QUALITY GUARANTEED

COMPONENTS FROM LEADING WORLDWIDE MAKES

OWN R&D&I DEPARTMENT

MADE-TO-MEASURE SOLUTIONS

100% OWN DEVELOPMENTS

INSTALLATION OF COMPLETE PACKING LINES

TURN-KEY PROJECTS



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