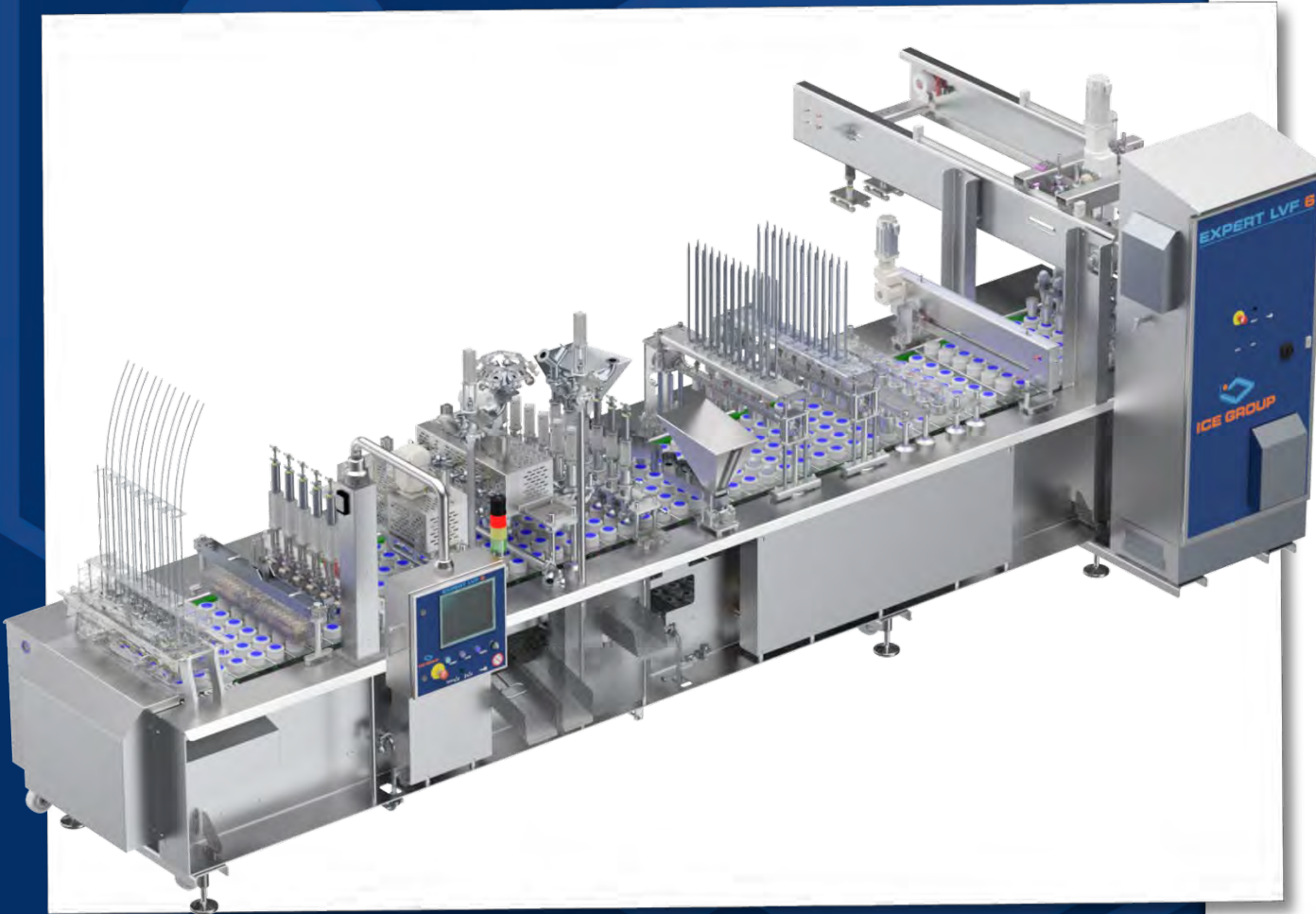


EXPERT LCF - high speed version for cones



ICE GROUP

Edition JUNE 2020



- high speed, automatic, linear filling machine
- very wide range of cones types, closing and dosing possibilities
- from 2-wide to 12-wide
- customized layouts (ref. capacity, construction and components)
- highest level of automation
- wide range of additional accessories



REAL ALTERNATIVE TO EQUIPMENT OF TRADITIONAL MARKET LEADERS

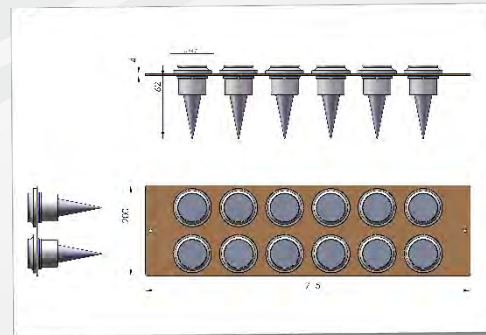
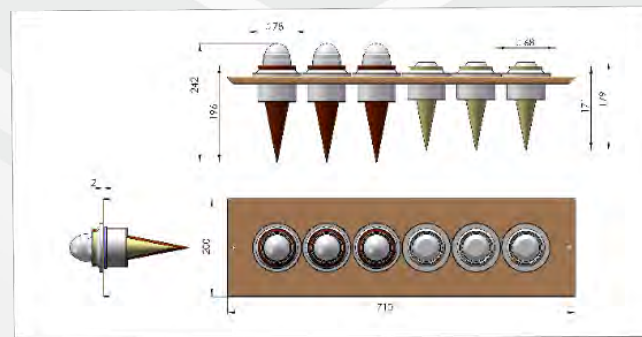
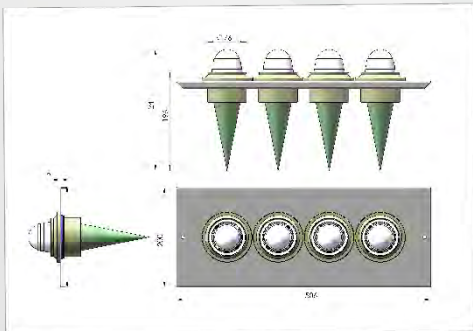
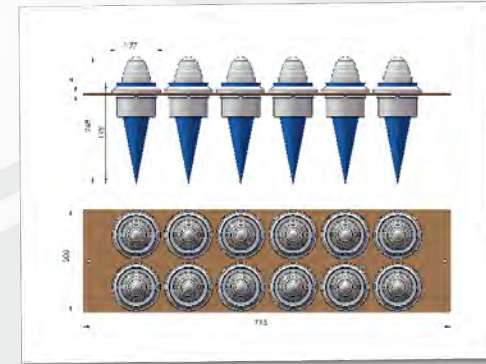
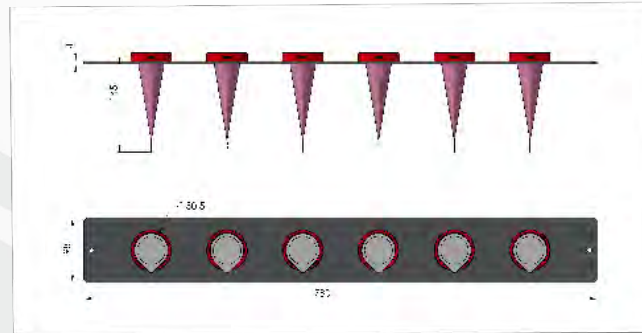
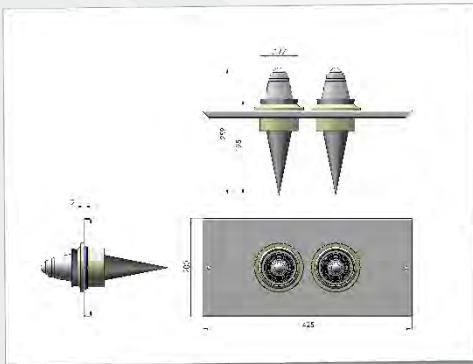
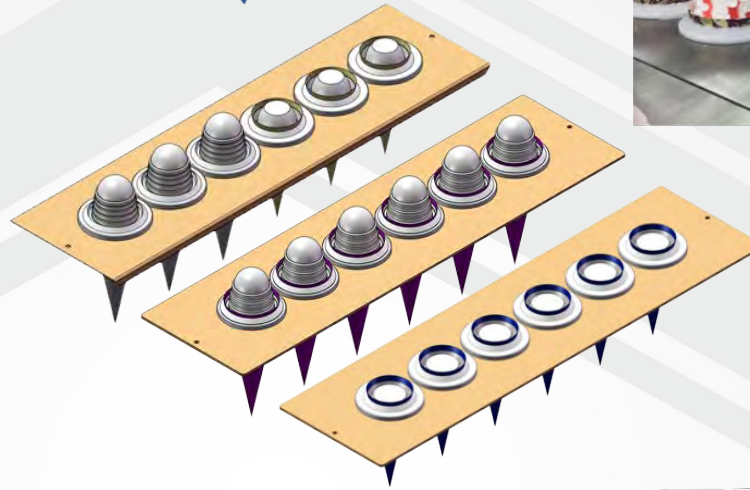
EXPERT LCF - high speed version for cones



EXPERT LCF MODELS:

STANDARD MODEL*	PRODUCTS	MAX. CAPACITY		
Expert LCV 2	cones	6.000 pcs/h		
Expert LCV 2+2	cones	6.000 + 6.000 pcs/h		
Expert LCV 3+3	cones	9.000 + 9.000 pcs/h		
Expert LCV 4	cones	12.000 pcs/h		
Expert LCV 6	cones <tr <td>Expert LCV 9</td> <td>cones</td> <td>27.000 pcs/h</td>	Expert LCV 9	cones	27.000 pcs/h
Expert LCV 12	cones	36.000 pcs/h		

* Other models on request



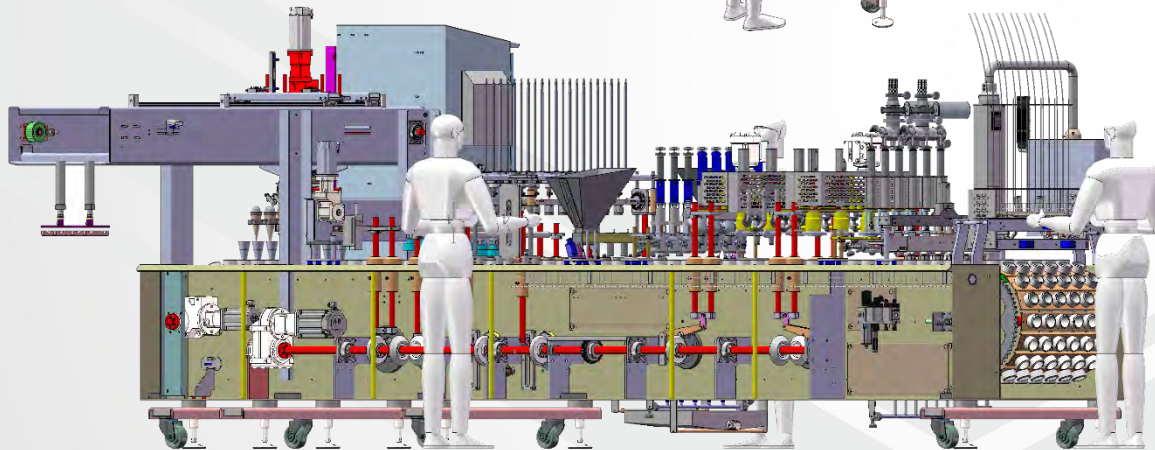
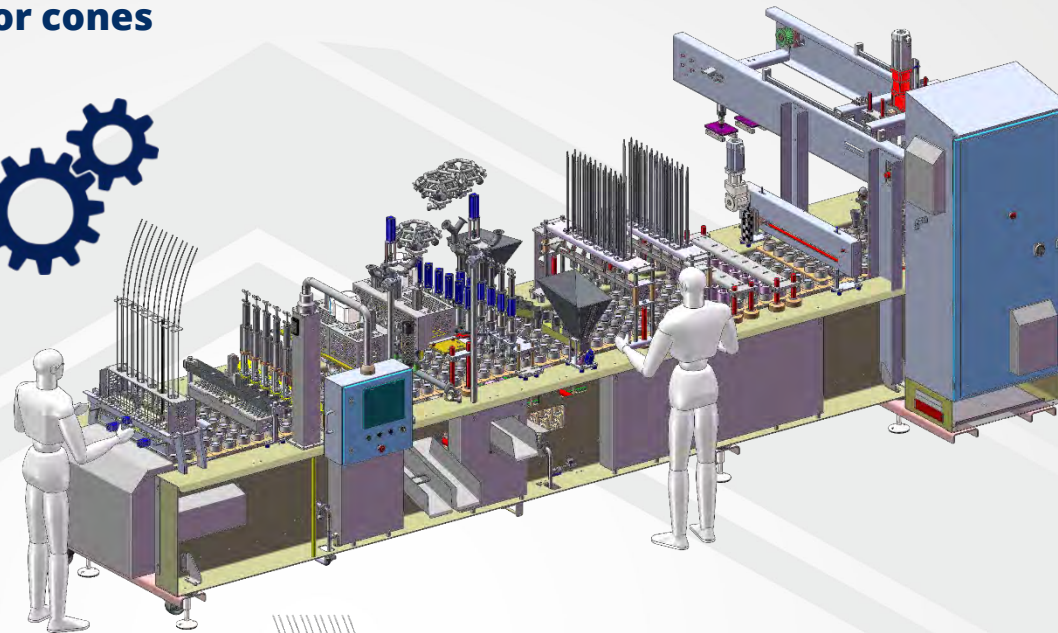
EXPERT LCF - high speed version for cones



ICE GROUP

MAIN CONSTRUCTION FEATURES:

- comfortable operation from the product side
- extremely low slatted conveyor level (from 95 cm height), easy access for supplementing supplies and control purposes



- servo motor drive for slatted conveyor
- main shaft - mechanically operated
- the drive side easily accessible for inspection, maintenance and service



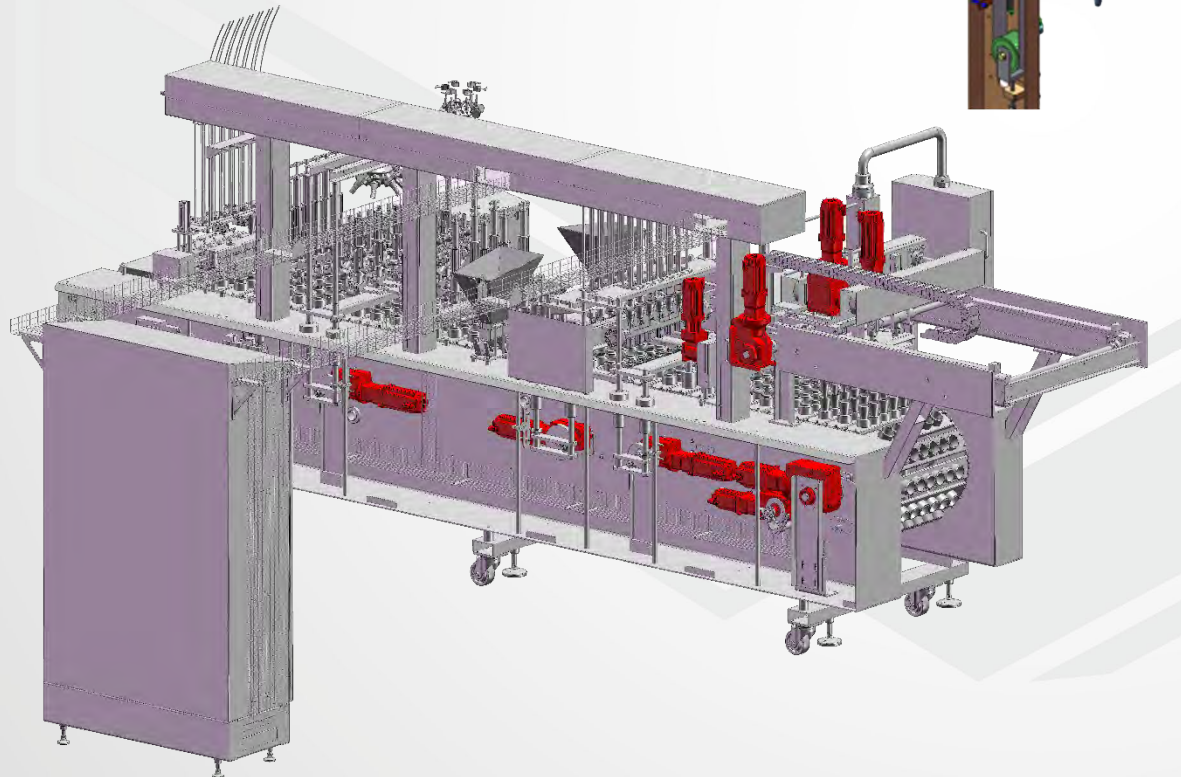
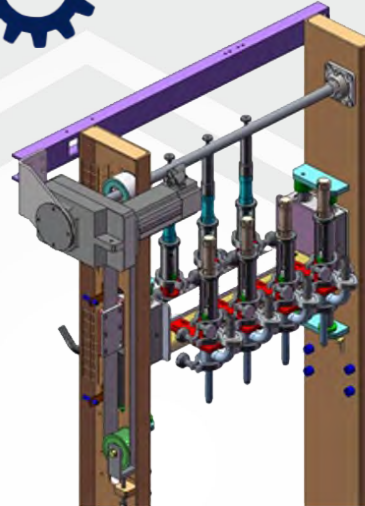
EXPERT LCF - high speed version for cones



ICE GROUP

MAIN CONSTRUCTION FEATURES:

- servo-driven dosing column (one or more)
- many servo-driven stations, possible to extend



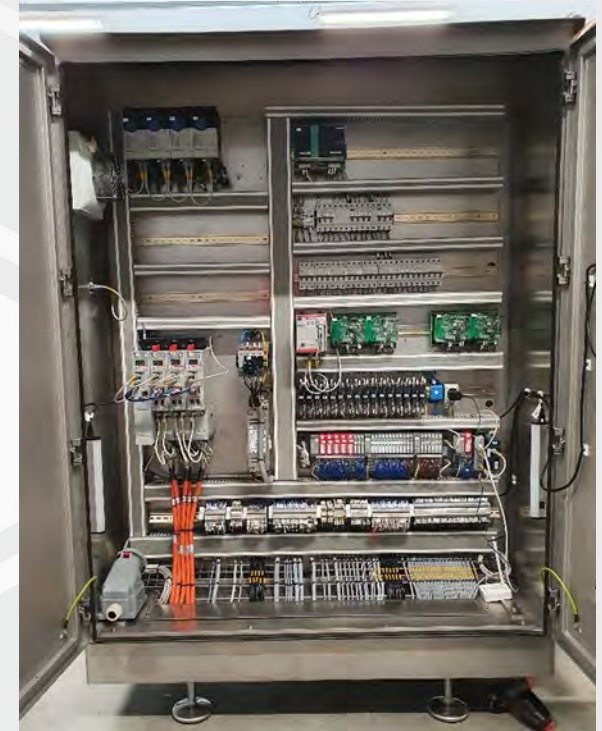
EXPERT LCF - high speed version for cones



ICE GROUP

MAIN CONSTRUCTION FEATURES:

- electric cables chute on top of the machine
– safe solution, easy to service



- cleverly designed electric cabinet, all cables clearly marked
- reserve for future extension

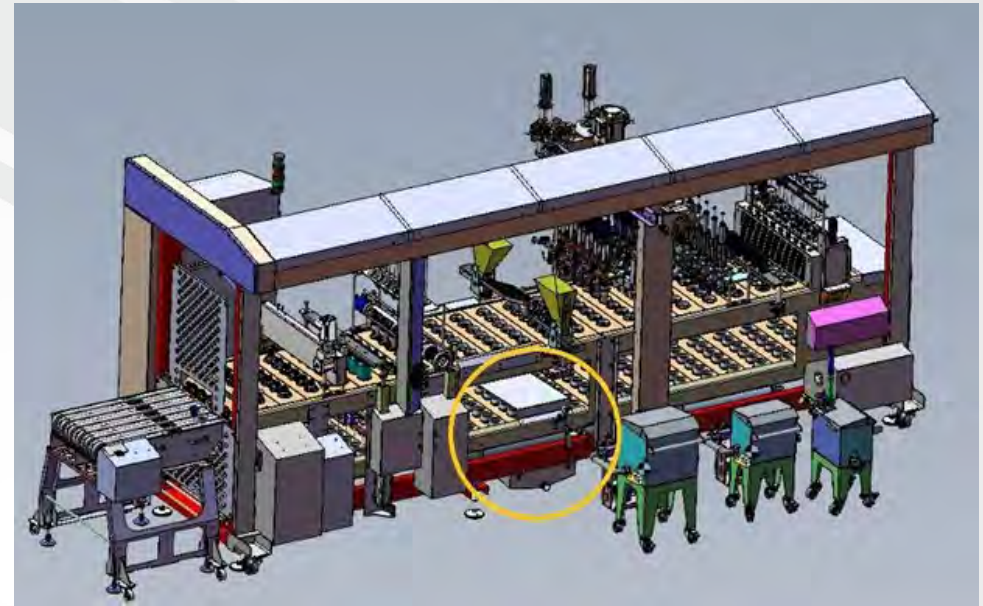
EXPERT LCF - high speed version for cones



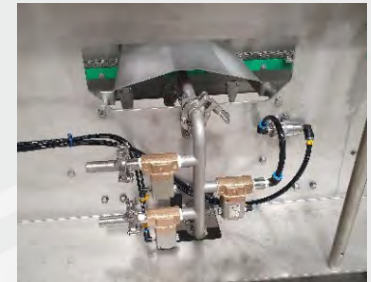
ICE GROUP

HYGIENE AND CLEANING:

- all stainless steel / no aluminum technology related to all machine metal elements
 - construction from bent stainless steel sheets for higher work hygiene
 - hygienic construction obtained also by avoiding closed profiles in the load-bearing constructions and replacing them with open profiles, C profiles or bent constructions.
-
- dozers' cleaning collectors for use with CIP system



- lamella conveyor cleaning system, cleaning possible even during machine work



CONTROL AND STEERING:

- stainless steel electric cabinet for all electrical and electronic components, including machine control system, equipped with air circulation system with air filters for overheating protection
- Allen Bradley or Siemens PLC controller (other brands on request) with easy to operate and highly functional touchscreen control panel
- made with the use of best quality components of reputed suppliers with world-wide distribution chains, ensuring exploitation and production continuity safety, also in post-warranty period



- Scada ready to exchange all needed production information
- built-in Ethernet modem for remote diagnosis, service and monitoring as a part of „teleservice“



- RFID technology limiting access to chosen functions to authorized staff



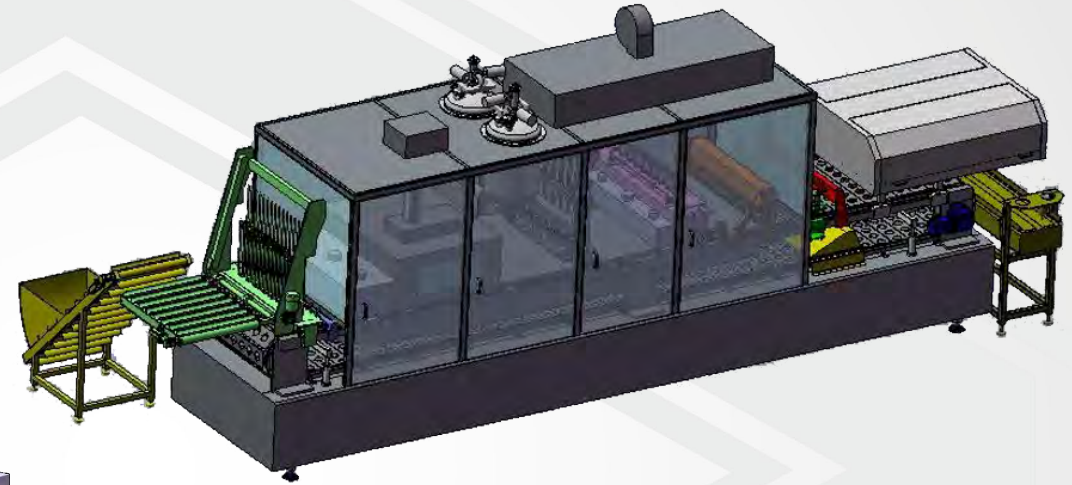
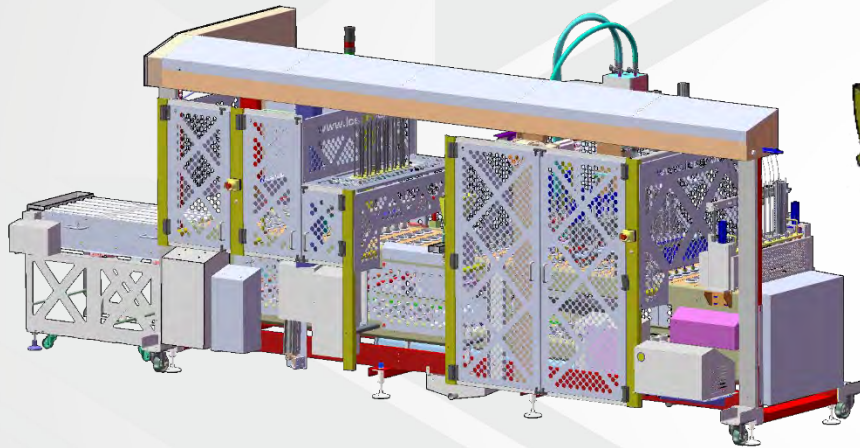
EXPERT LCF - high speed version for cones



ICE GROUP

SAFETY:

- CE standard safety shields
- complete covers of all moving elements with stainless steel doors with laser-cut holes or polycarbonate doors, or combination of the two solutions



EXPERT LCF - high speed version for cones

WIDE RANGE OF ADDITIONAL ACCESSORIES:

- automatic by-pass valves for clean production start and maintaining hygiene in case of stoppage
- collectors and pressure regulators guaranteeing precise dose



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ICE GROUP

WIDE RANGE OF ADDITIONAL ACCESSORIES:

→ ice cream dozers

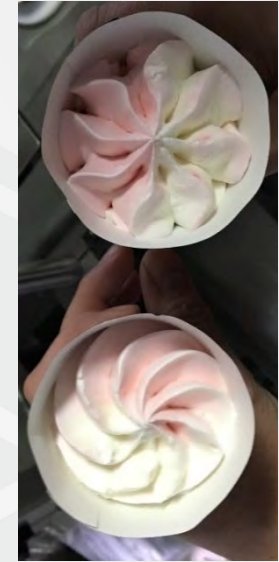
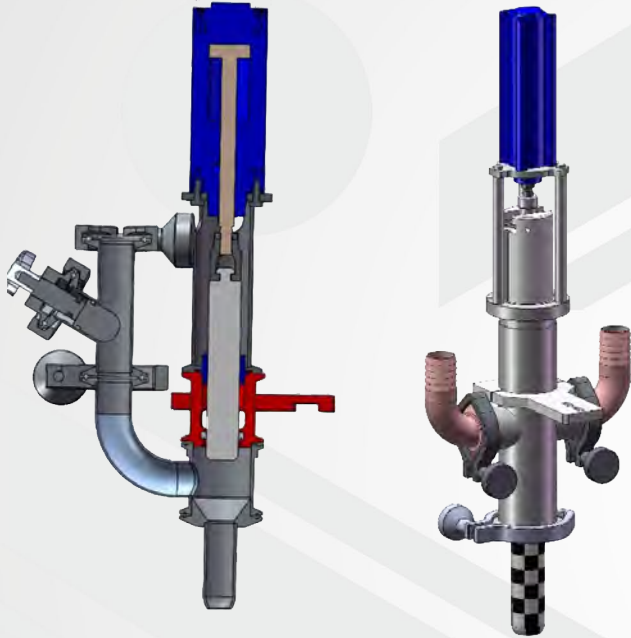


EXPERT LCF - high speed version for cones

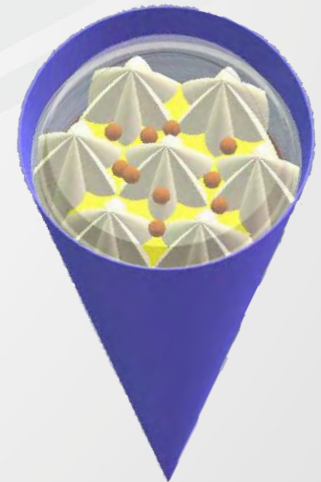


ICE GROUP

- standard ice cream dozers **TIME LAP** – for one or two colours of ice cream and small inclusions



- special ice cream dozers – **MULTI-ROSETTE** decorators

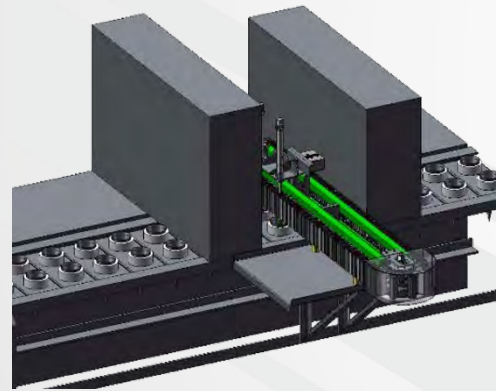
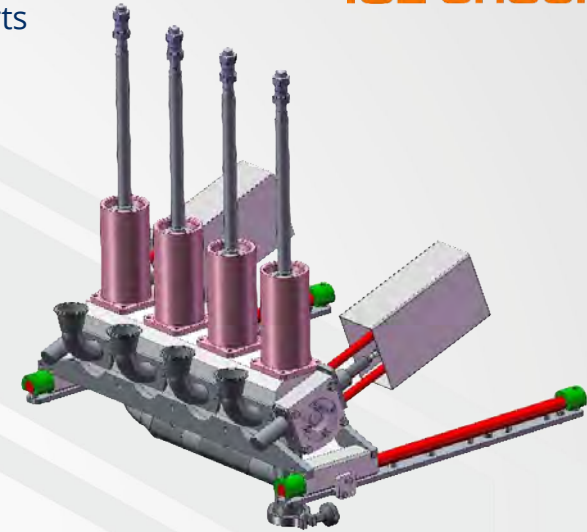


EXPERT LCF - high speed version for cones

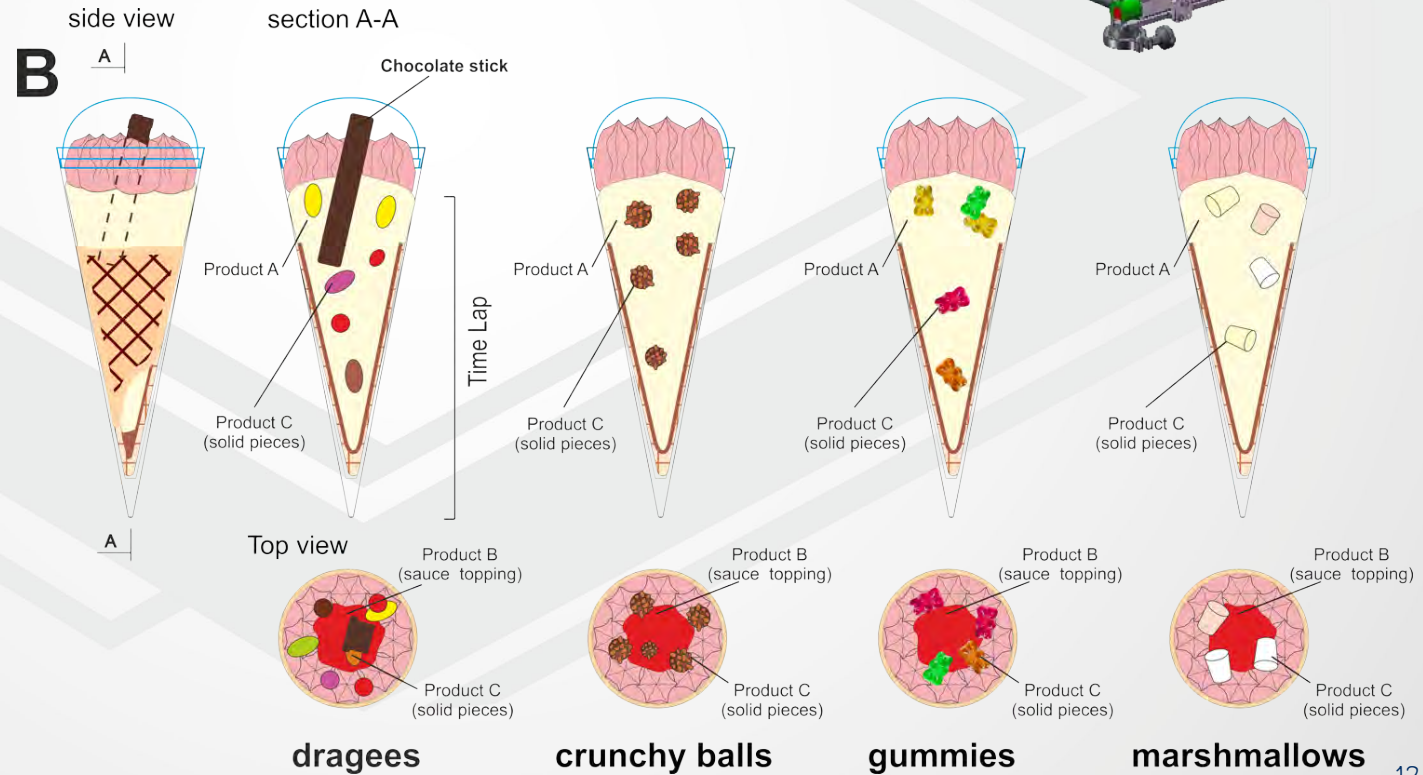


ICE GROUP

→ special ice cream dozers **SPECIAL TIME LAP** or **VOLUMETRIC** – for big inclusions or inserts



→ special station for inserts

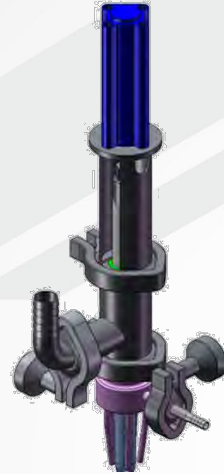
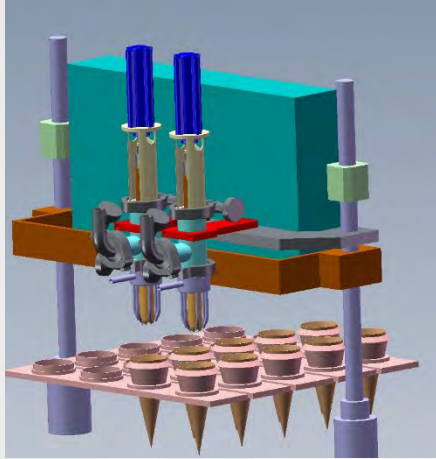


EXPERT LCF - high speed version for cones

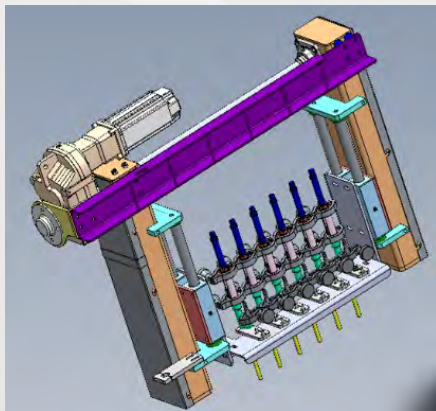
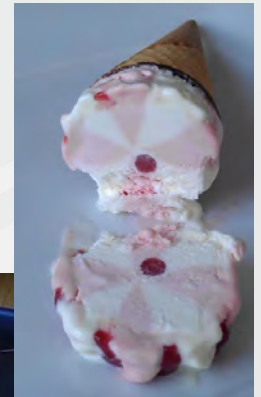
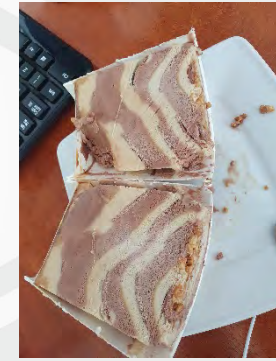


ICE GROUP

- special ice cream dozers **STAR 1000** standard or **RAINBOW** sauce outside (one or two colours of ice cream, one or two colours of sauces)



- various **pencil fillers** or **sauces inside** ice cream



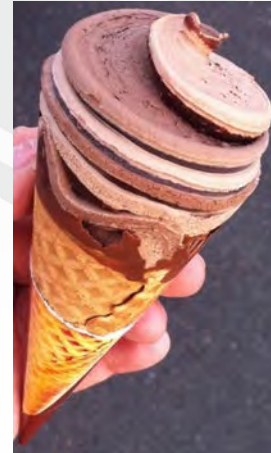
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ICE GROUP

SWIRLING (ROTATING) FILLERS

➔ Star 3000, COBRA type or special effect for one, two or three ice cream colours and syrups

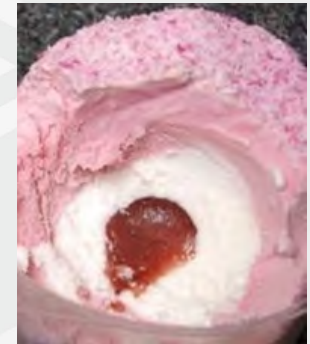
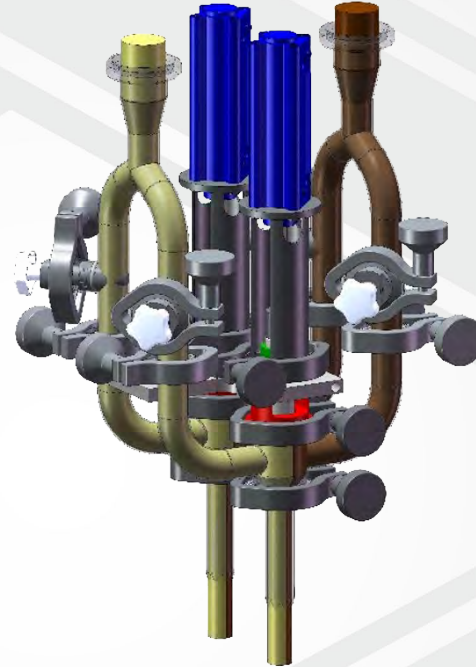
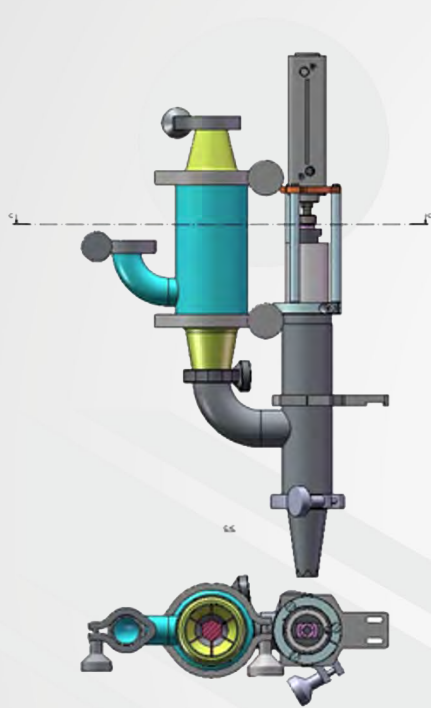


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ICE GROUP

→ **special combinations effect** for one, two or three colours of ice cream with sauces and inclusions



EXPERT LCF - high speed version for cones

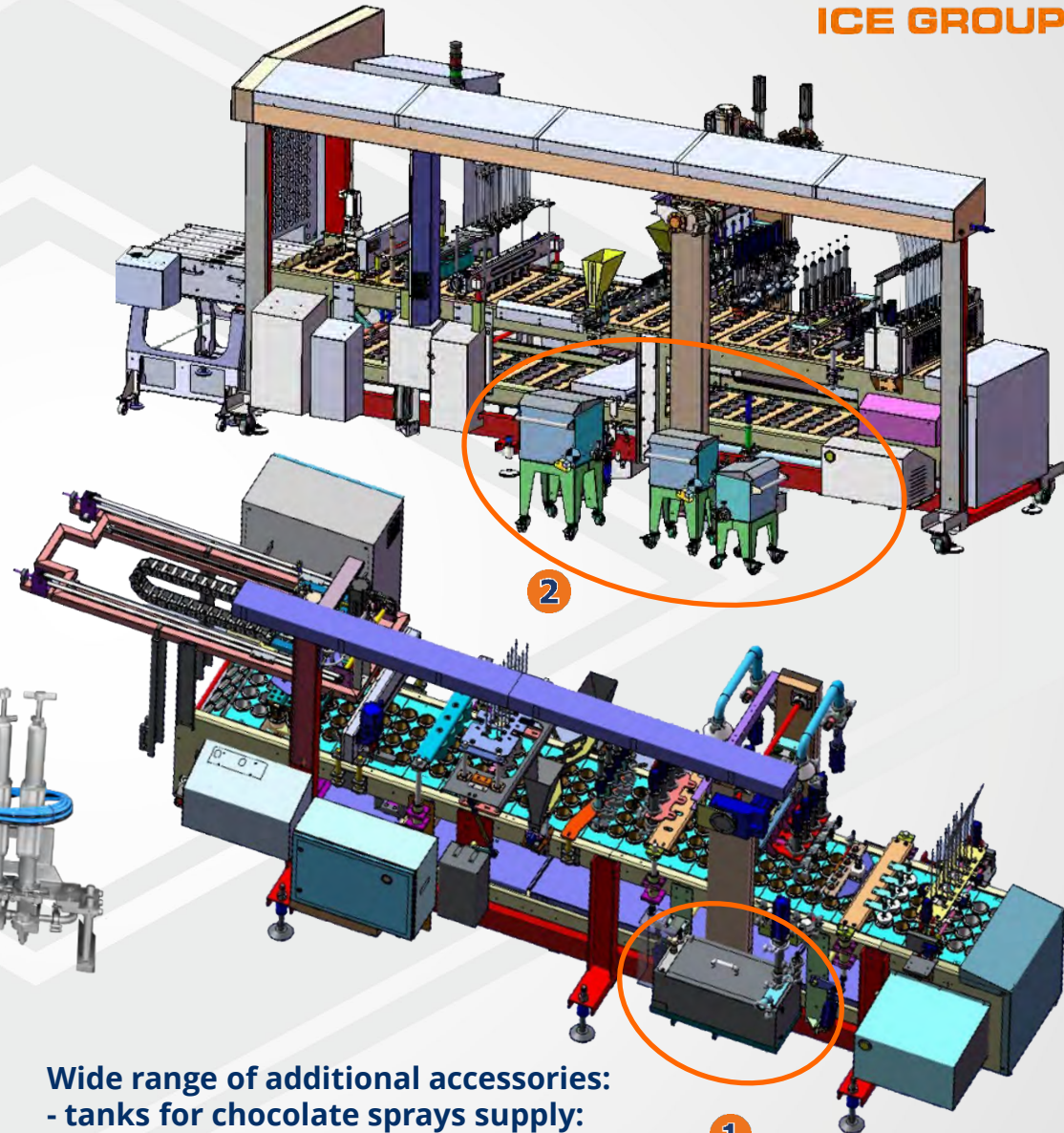


ICE GROUP

→ chocolate sprays



- new generation of mechanically operated (airless) chocolate sprays allows better, regular and more precise chocolate covering of standard cone at a relatively low chocolate consumption (4 to 4,5 gram per cone) – substantial cost savings
- easy to operate and clean
- higher hygiene



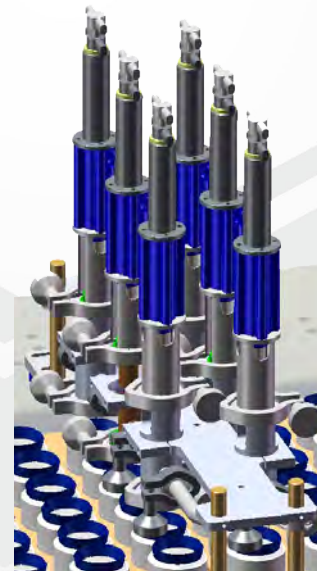
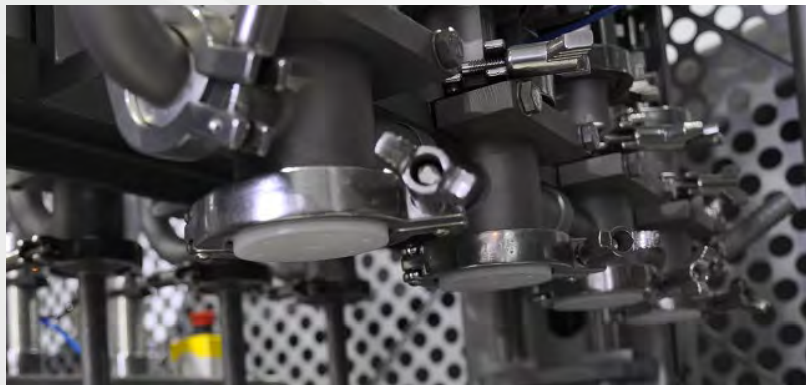
Wide range of additional accessories:
- tanks for chocolate sprays supply:

- 1 Integrated on the machine frame
- 2 Independent – movable

EXPERT LCF - high speed version for cones

WIDE RANGE OF ADDITIONAL ACCESSORIES:

→ topping dozers for chocolate or syrups



→ **chocolate supply pump** for heating and circulating of chocolate

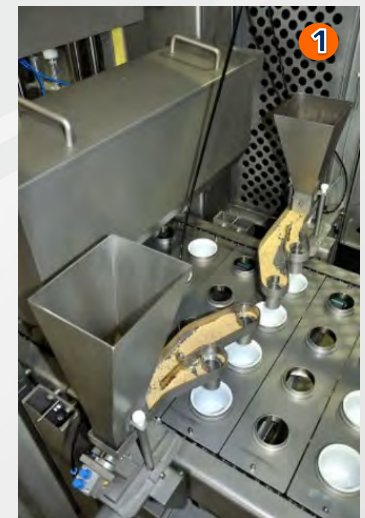
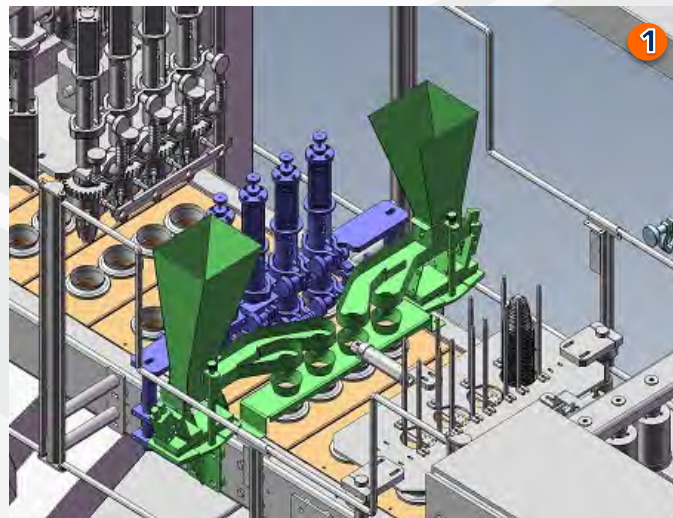
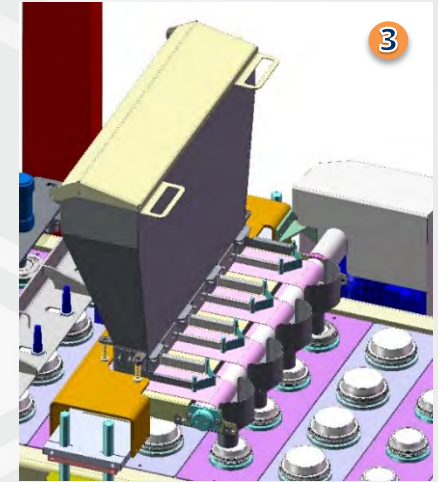
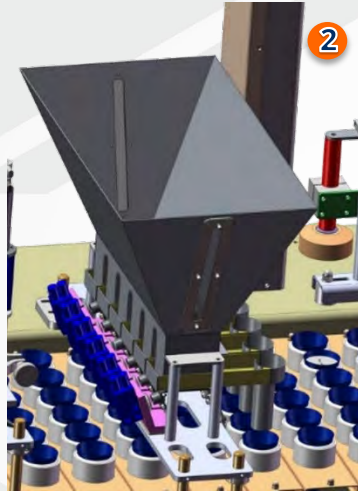
EXPERT LCF - high speed version for cones



ICE GROUP

WIDE RANGE OF ADDITIONAL ACCESSORIES:

- 1 standard (multi-outlet) vibrators - pneumatically or electrically operated
- 2 individually controlled vibrators
- 3 extra big inclusions version



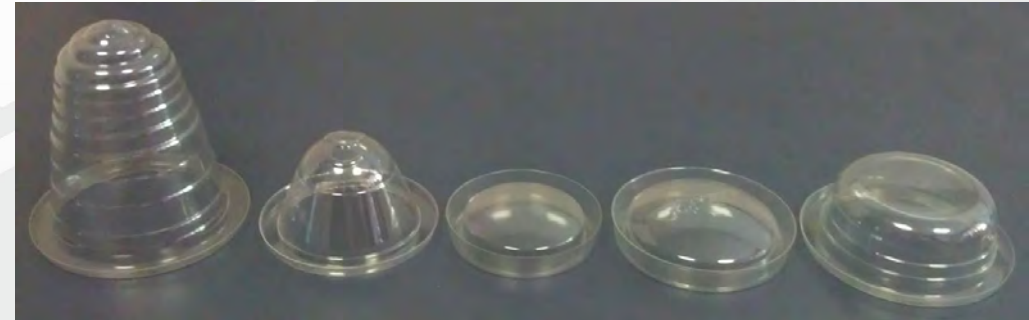
EXPERT LCF - high speed version for cones



ICE GROUP

CLOSING SYSTEMS:

- cardboard lids
- flat plastic lids
- dome shaped plastic lids
- cones crimping



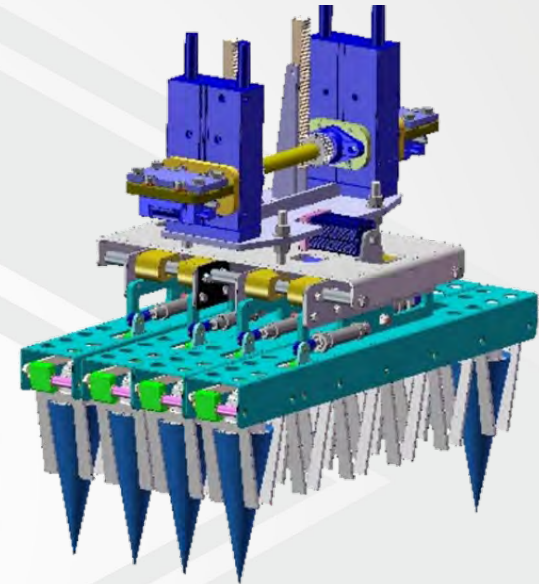
EXPERT LCF - high speed version for cones



ICE GROUP

AUTOMATIC TRANSFER:

- ➔ Automatic transfer of cones to hardening tunnels in vertical position
- preserves product image



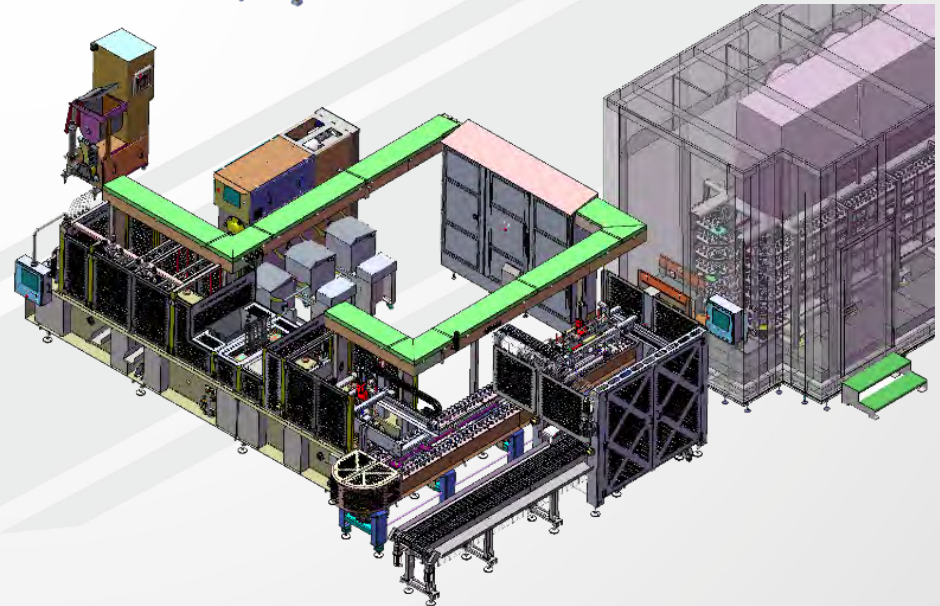
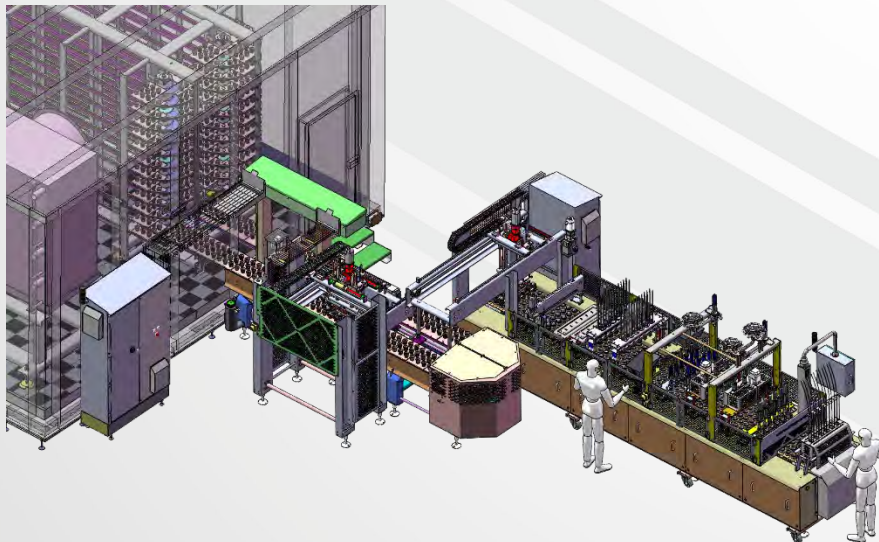
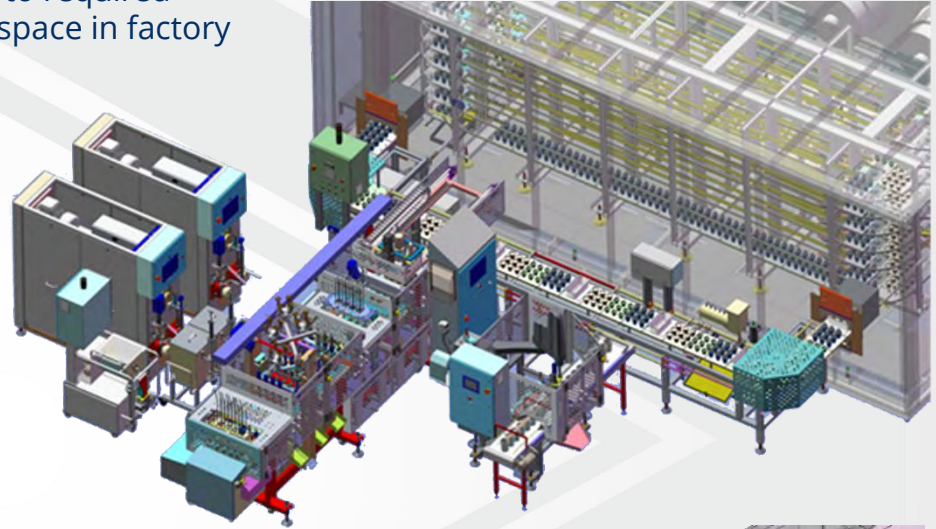
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ICE GROUP

AUTOMATIC TRANSFER EXAMPLES OF REALISATIONS:

→ fully customizable - different layouts are possible according to required capacity and available space in factory



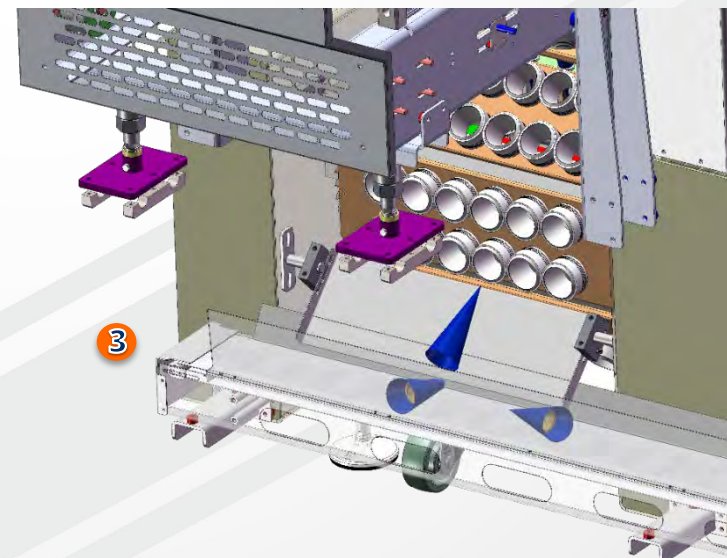
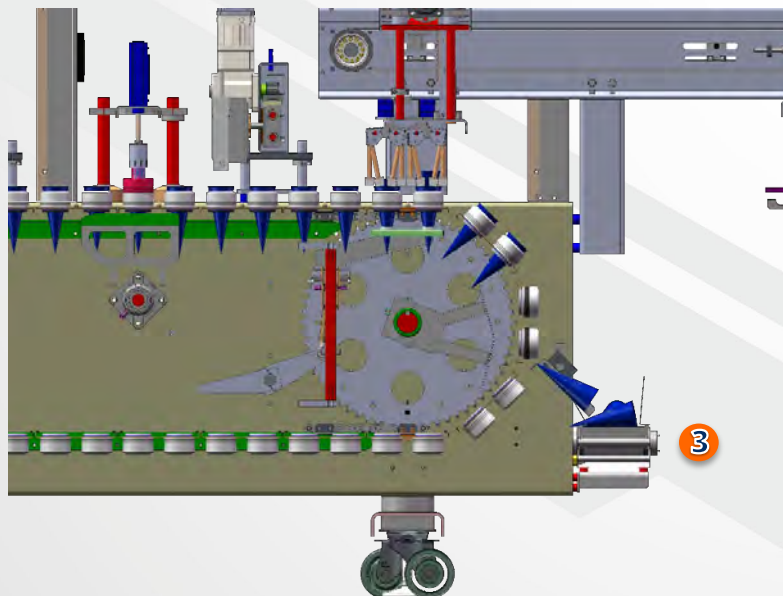
EXPERT LCF - high speed version for cones



ICE GROUP

ADDITIONAL FACILITIES:

- ➔ Intelligent control system:
no cone - no chocolate spray, no topping, no lid etc.
- savings on materials and components
- ➊ Minimum cones level in magazine - information signal
- ➋ Liquid nitrogen dosing station after chocolate spray
- ➌ Sampling station for chocolate spray, wet or dry topping
- ➔ Emergency ejection



Auxiliary Accessories – Master IF ingredients feeders and pumps:



**Master IF 3000
fruit feeder with
CCF (Constant
Crispies Feeder)**



**Master IF 4000 Dual
fruit feeder with
divided tank**



**Three piston pumps for
syrup with divided hopper**



**One piston pumps for syrup or
chocolate with heated hopper**



Worm syrup pump



**Two piston pumps for syrup
with divided hopper**



Cam pump for syrup

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Reema Handall

Commercial Division Coordinator



English- Arabic- and French-speaking markets
Middle East, North Africa



Ewa Bernacka

Commercial Division Administrator



English- and German-speaking markets
Europe, Asia, Africa



Agnieszka Gańczorz

Market Development Manager



English- and Spanish-speaking markets,
Middle, South & North America, Europe, India



Aleksander Zinkowski

Export specialist



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