



LOCKERS °

INDICE

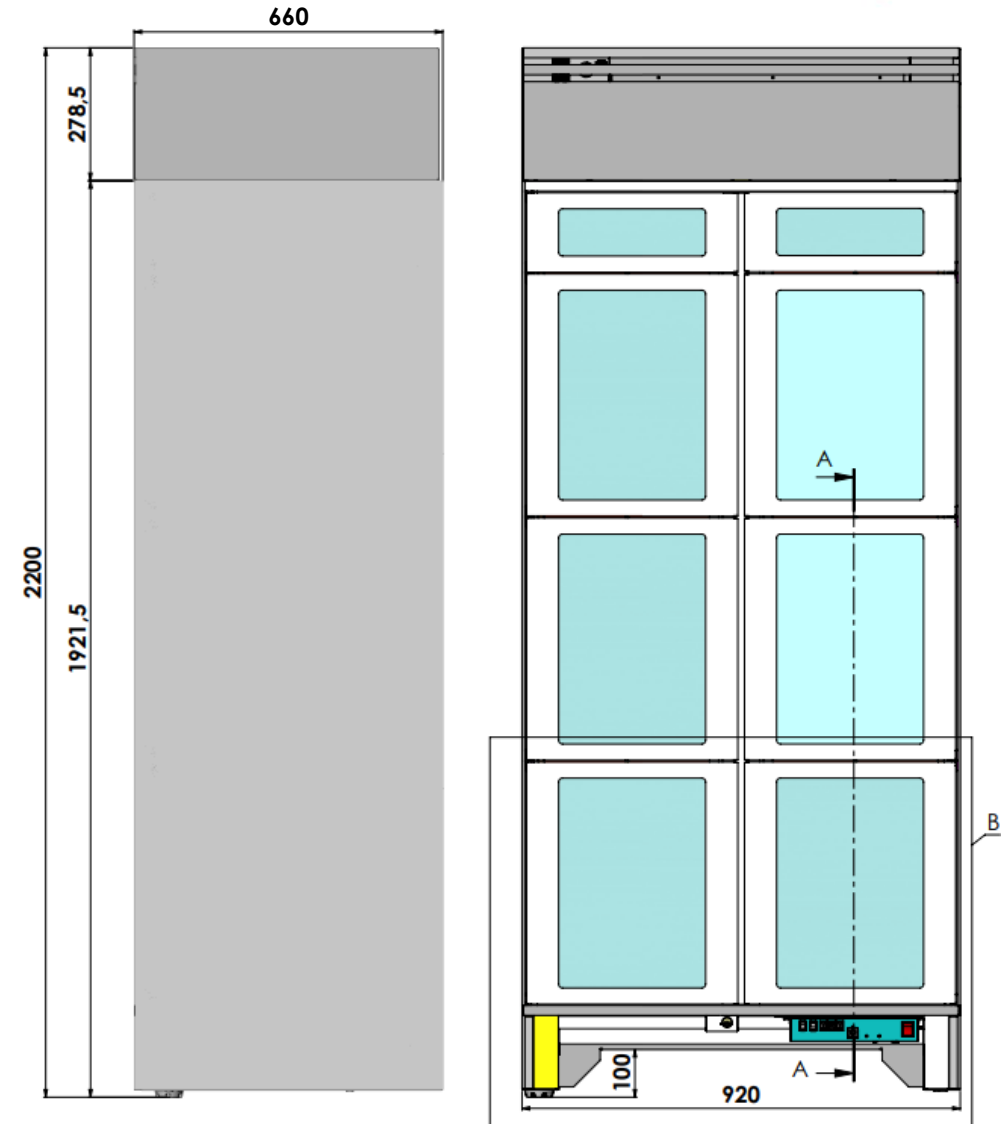
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General characteristics

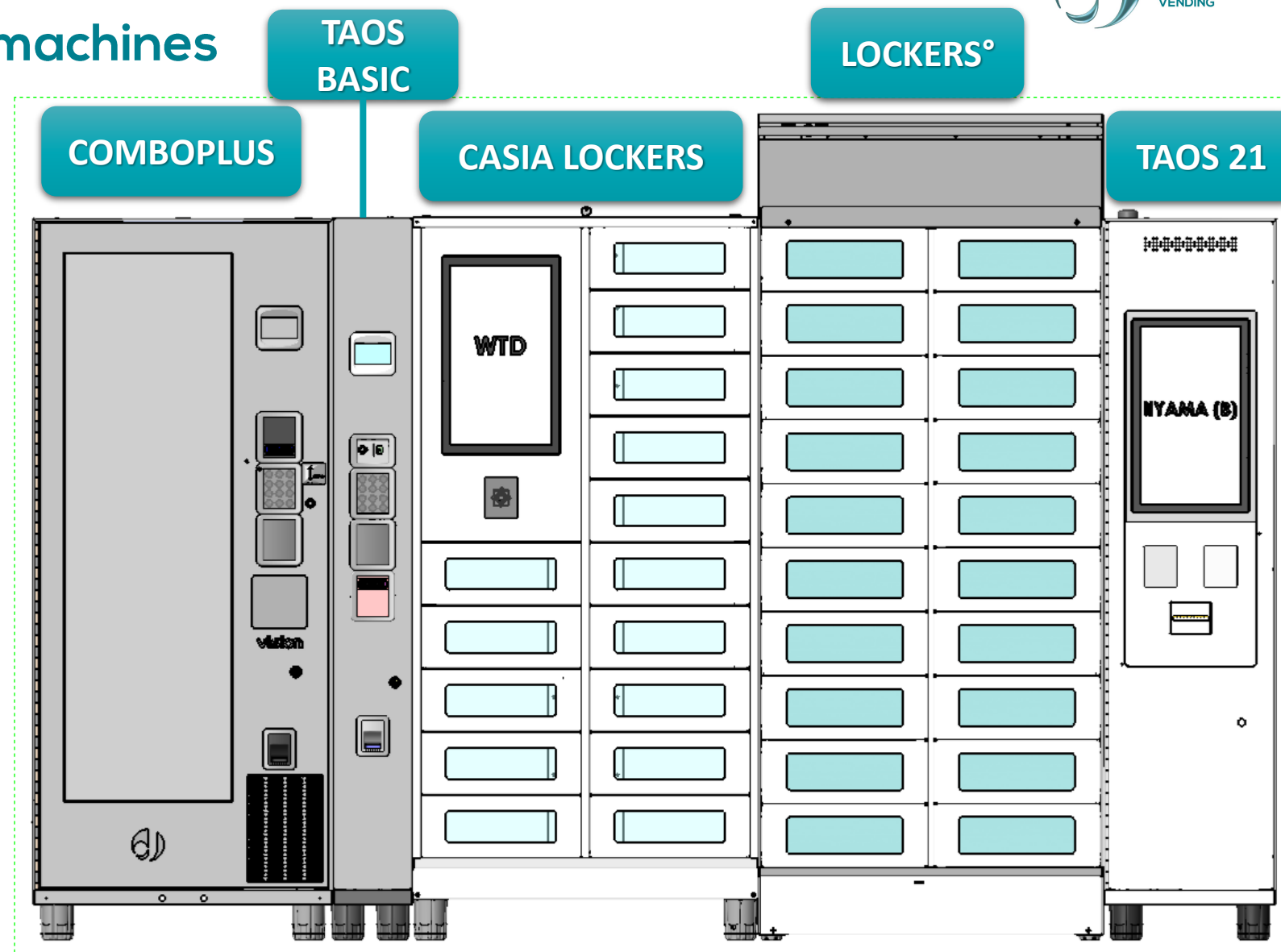
- Refrigerated satellite lockers controllable by MASTER machines.
- Compartments with stable interior temperature below 4°C, suitable for the preservation of perishable products, without freezing.
- Modular lockers that can be reconfigured by the customer after their sale.
- Unique cabinet with different sizes of doors to allow modulation without the need to relocate locks.
- The machines must be able to be fixed between them and to the wall.
- Possibility of opaque doors (coming soon) and with glass.
- The glass of the doors will be security on both sides and insulated with an Argon chamber, type Climalit.
- You cannot create a SOCKET variant (with plugs inside the cells).
- The lighting of the cells is carried out with a strip of RGB LEDs in a vertical arrangement so that the reconfiguration of the cells to different sizes does not require manipulation of the same, simply reprogramming them, leaving the lighting uniform regardless of the size of the cell.
- Door locks by solenoid lock with closed door control.
- Emergency opening of locks by key at the bottom of the socket.

External measures

- External machine measurements, with and without cold group.
- Height without cold group of 1,922mm, similar to any Vision machine on its transport plugs and allow passage through doors.
- Maximum achievable height of 1,980mm to be able to pass through doors with a 2,010mm opening.
- The chosen depth is 660mm to pass through 700mm doors.
- Width of 920 mm, the same as the Casia Lockers.
- The total height of the locker + group will be 2,200mm high, and therefore it will be necessary to remove it to pass through the doors.



Integration with other machines



Modulation and compartment size

- Based on the external dimensions, a reasonable distribution of 10 cells per column is understood, to go in the same line as the unrefrigerated ones, provided that the useful space of the cells is aligned with the needs of the market.
- From the German market this is a requirement.
- Possibility of modulating to three different door sizes, focused on different products:
- Size S: Unit foods
- Size M: oversized food and beverage crates (beverage crates 300x400x280). It occupies the size of two S doors.
- Size L: Supermarket Grocery Pickup... It occupies the size of 3 S doors (unlike the CASIA LOCKERS which are 4 S doors).

Door modulation

Three different sizes of doors:

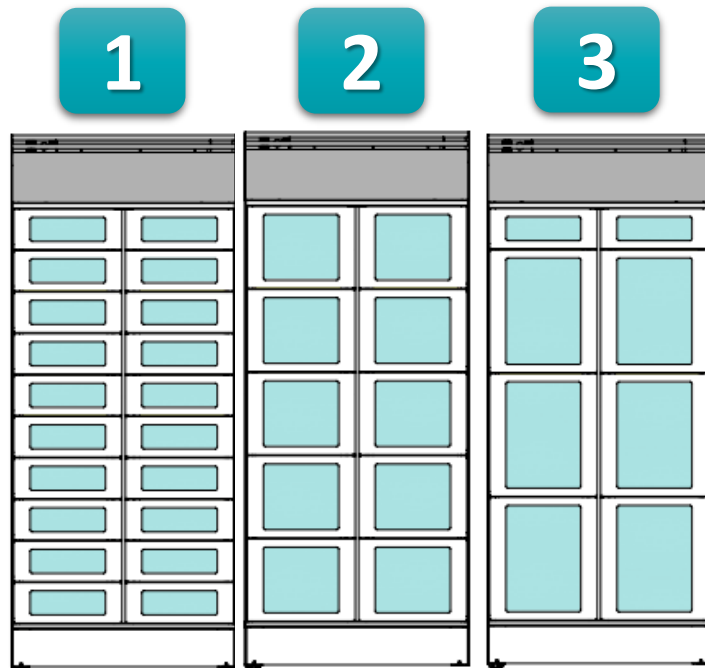
1 - S-size door: Two columns of 10 doors

2 - Door size M: ($M = 2 S$) Two columns of 5 doors

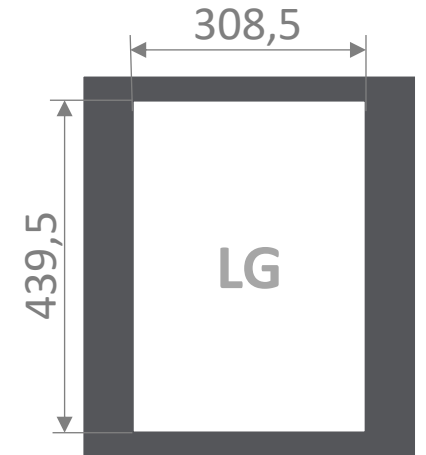
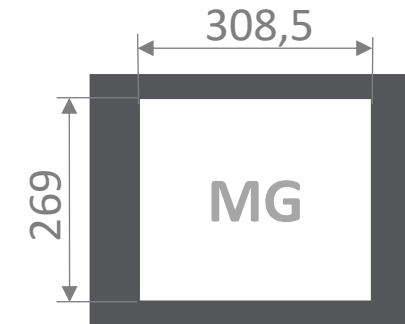
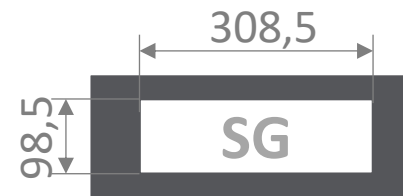
3 - Door size L: ($L = 3 S$) Two columns of 3 L + 1 S

The doors cannot be interchanged with those of the CASIA LOCKERS lockers.

Reconfiguration much easier than in the CASIA LOCKERS lockers.

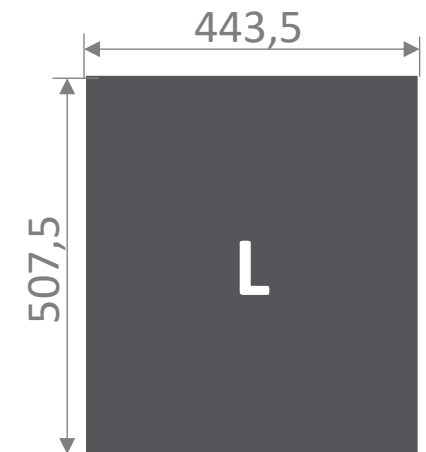
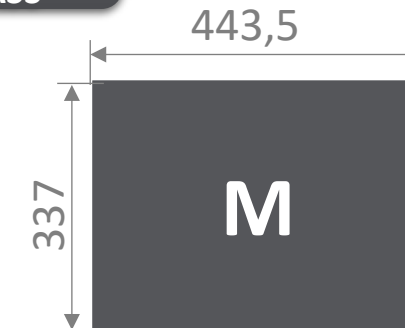
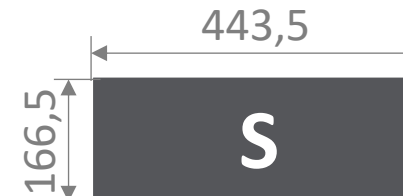


GLASS
DOORS



$M = 2 S$
 $L = 3 S$

DOORS
WITHOUT
GLASS



Compartment interior

The internal measurements of the resulting compartments would be as follows:

Width of 322mm

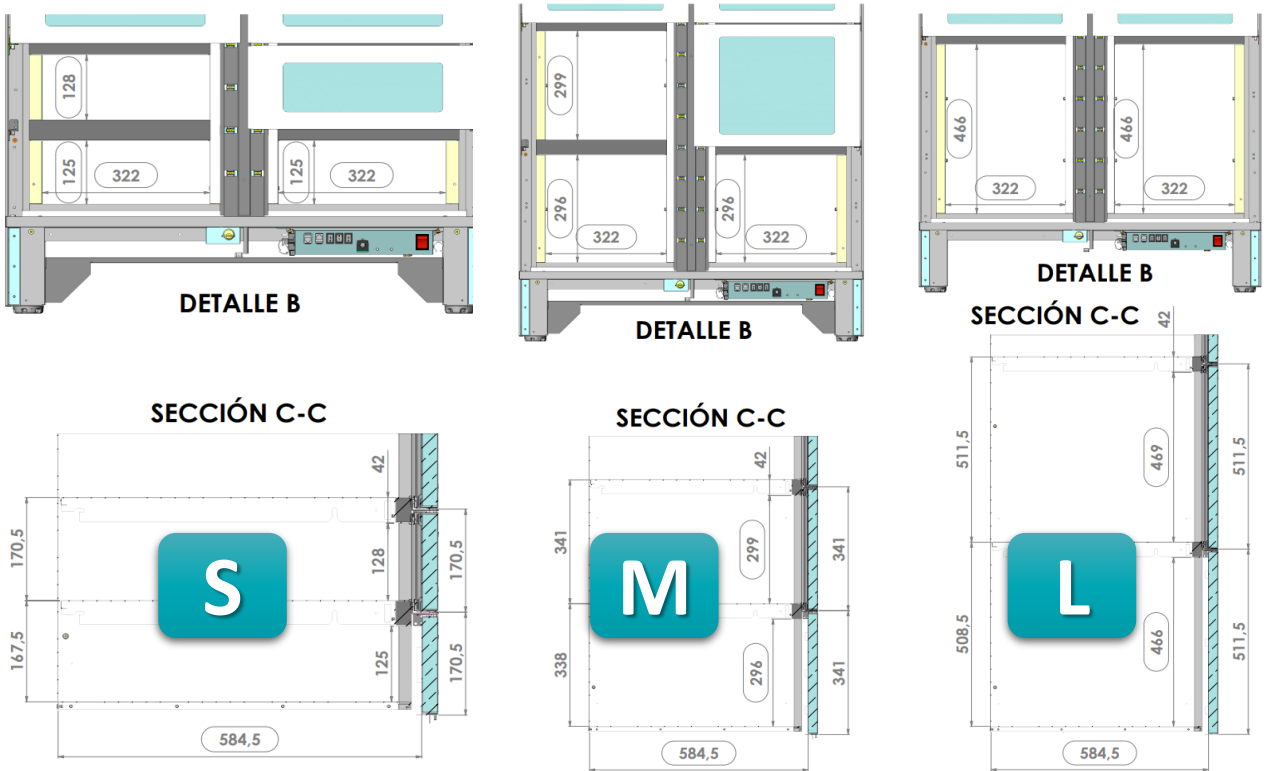
Depth of 584.5mm

Height, this measurement is conditioned by the modulation of the doors

mm	High	Wide	Bottom
S	125	322	584,5
M	296		
L	466		

Table of internal measures.

Considering the interior size, a 300mm X 400mm x 280mm (W x D x H) basket can be fitted.



Examples of possible configurations

Door configurations

2 columns of 10S

2 x 5M columns

1 x 10S column + 1 x 5M column

1 x 3S-2M-1L column + 1 x 1L-3S-2M column

2 columns of 3L+1S

2 columns of 2L+2M

2 columns of 2L+4S

2 columns of 2M+6S

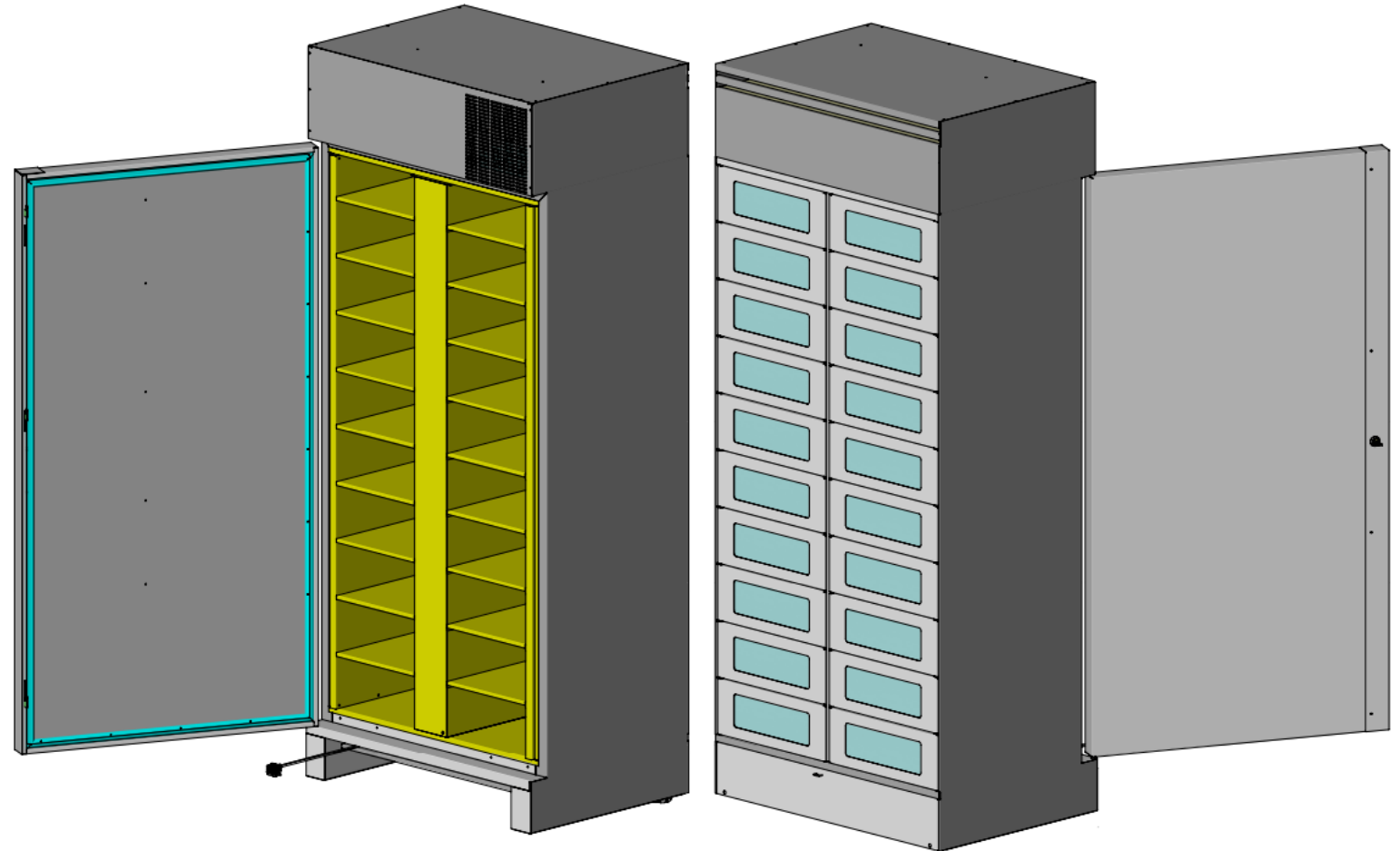


Proposed colors

- The aesthetically refrigerated locker is made up of 4 colour elements:
 - * Monoblock group (located above the door area).
 - * Locker furniture (exterior furniture).
 - * Locker cabinet (inside cells).
 - * Base trim.
 - * Doors of the different cells.
- In order to offer flexibility in colors, but to have a coherent image, our proposal is:
 - * Monoblock group Negro R9005
 - * Locker cabinet (outside furniture) Blanco R9003
 - * Locker cabinet (inside cells) Negro R9005
 - * Base trim Blanco R9003 Negro R9005 Gris R9006
 - * Doors

Rear Opening option

- Possibility of a tailgate option with the same foaming mould and sharing all the parts except the furniture.
- It facilitates the recharging process in certain environments.
- Rear door with key lock, which allows the reloading of products without stopping sales.
- It is possible to open the door without interfering with lockers that are joined to the left and right in solidarity.
- This furniture is different from the furniture that does not have this opening, so they cannot be interchanged.



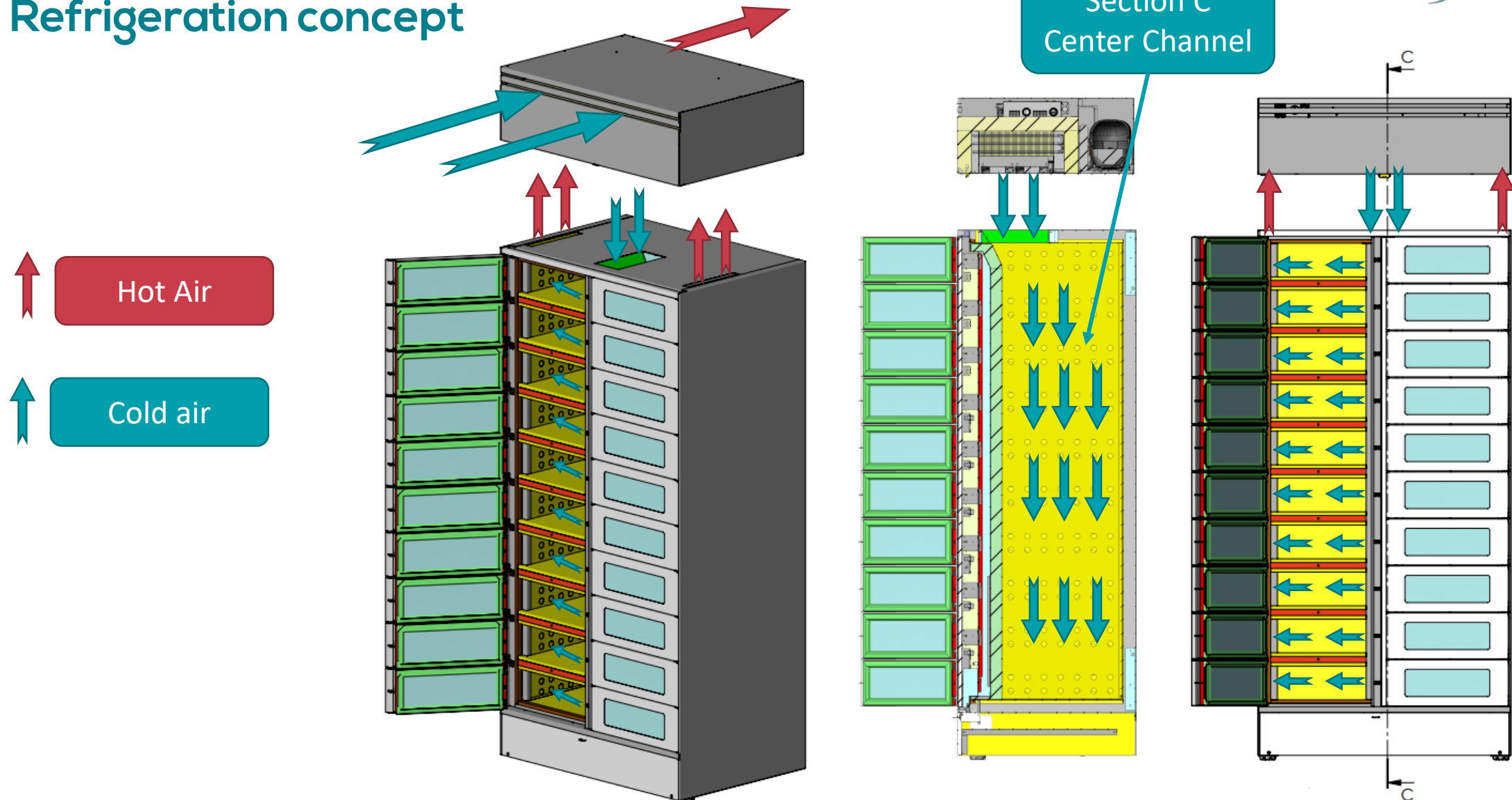
Working Temperature Range

- The lockers are capable of keeping perishable products below 4°C with an ambient temperature of 32°C and 65% humidity.
- Possibility of working temperature programming similar to the Vision V8
- Optionally, it can be equipped with heating elements (two of 100W.), with the ability to increase approximately 30°C above the ambient temperature.
- General characteristics:
- Furniture construction with polyurethane foam
- Argon chamber glass door construction
- Doors with magnetic closing rubber and self-closing spring
- Optimized air recirculation circuit, ensuring the temperature of all cells regardless of the size of the products they contain.
- Low consumption machines with R290 gas.
- Multifrequency, multivoltage with the same group to cover the different markets.

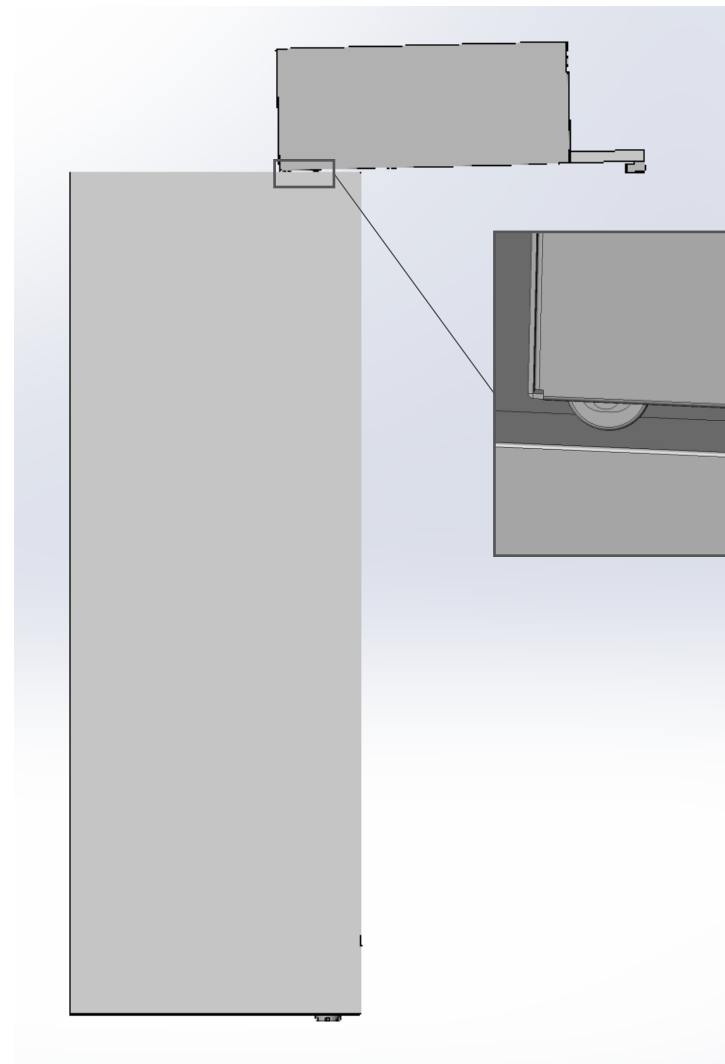
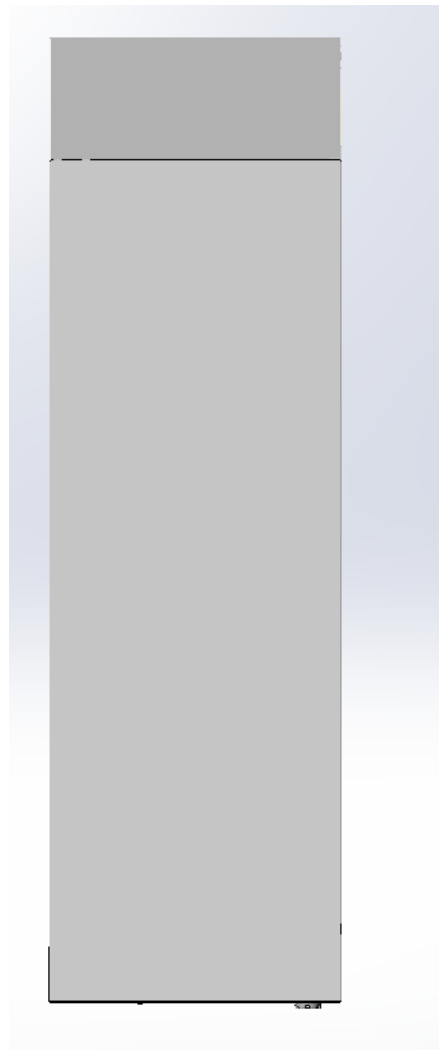
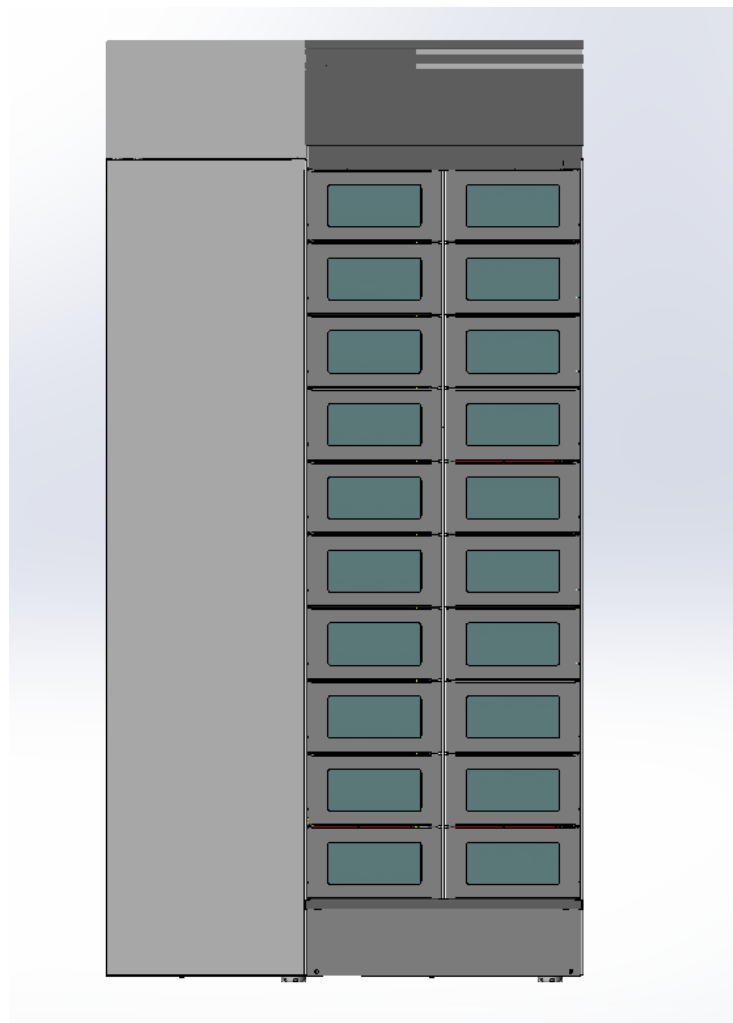
Refrigeration concept

- R290 gas refrigeration unit.
- Cooling group with evaporator divided into two parts, which allows air recirculation independently.
- The colder air will circulate through the central area of the machine from the top, where the evaporators are located, and return to the outlet point, at a warmer temperature, on the outer sides.
- Refrigeration unit based on a compressor controlled by an electronic system (inverter) that allows you to set a variable speed. In this way, it is possible to dynamically adjust the cooling capacity according to thermal needs in real time, optimizing performance without compromising the efficiency of the system.
- NOTE: These lockers can also be used without the refrigeration unit, in case the type of product to be stored requires a cavity with a deeper depth than that provided by the CASIA LOCKERS lockers. In this case, what would be done is to install a sheet as a trim.

Refrigeration concept



Disassembly of monoblock group



Door Design

- Autonomous closing system seeking the least possible user interaction, preventing compartments from being left open after a sale
- Locking system preventing manipulation of the exterior and vandalism
- Allows manual opening by authorized users in case of blockage or emergency

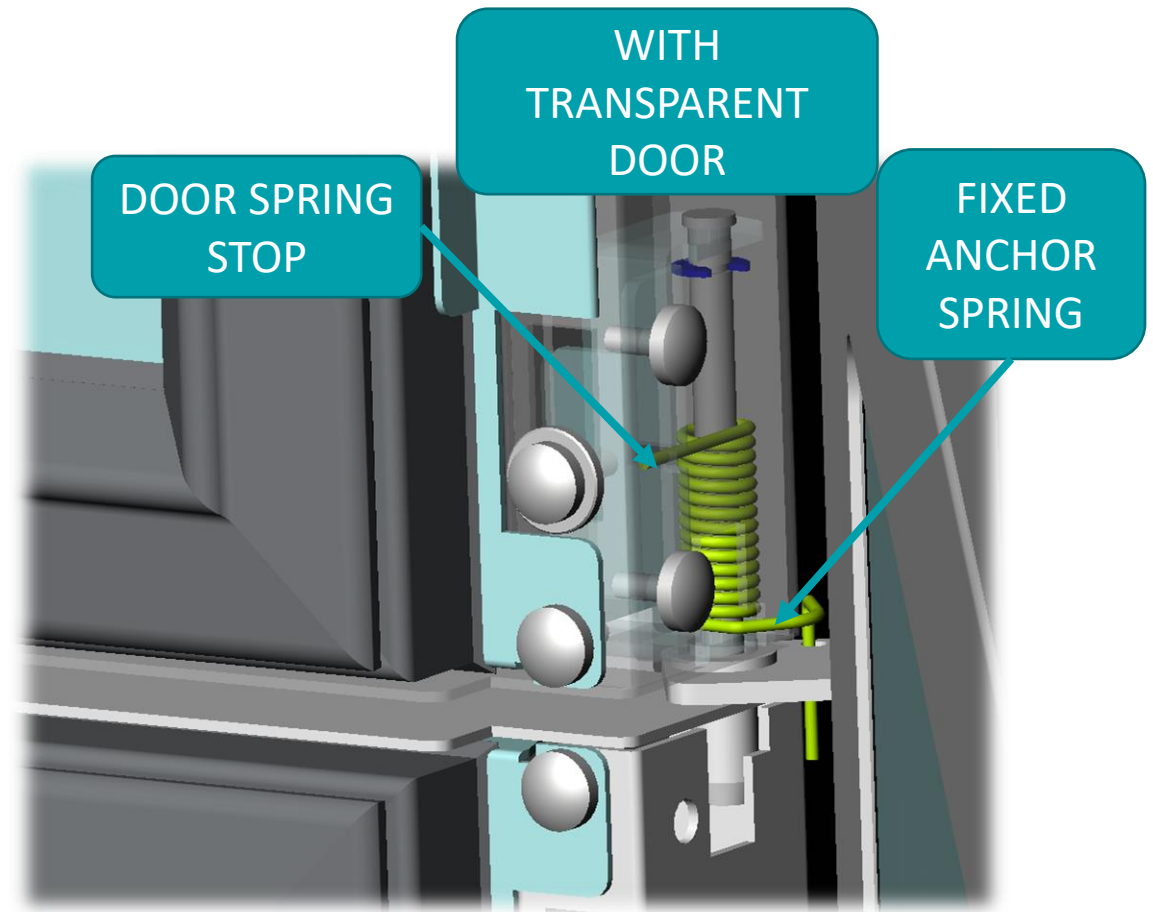
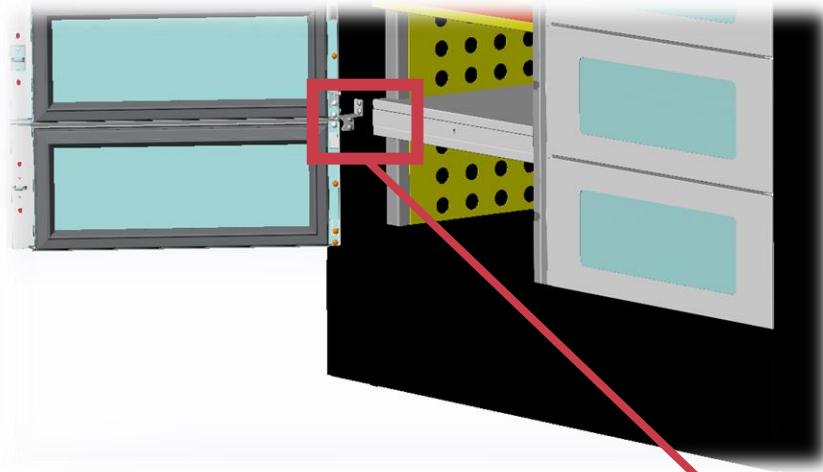
Door Design

- The doors are designed so that the central edge of the doors acts as a handle to facilitate opening, leaving an aesthetically uniform machine, despite the different sizes of doors.



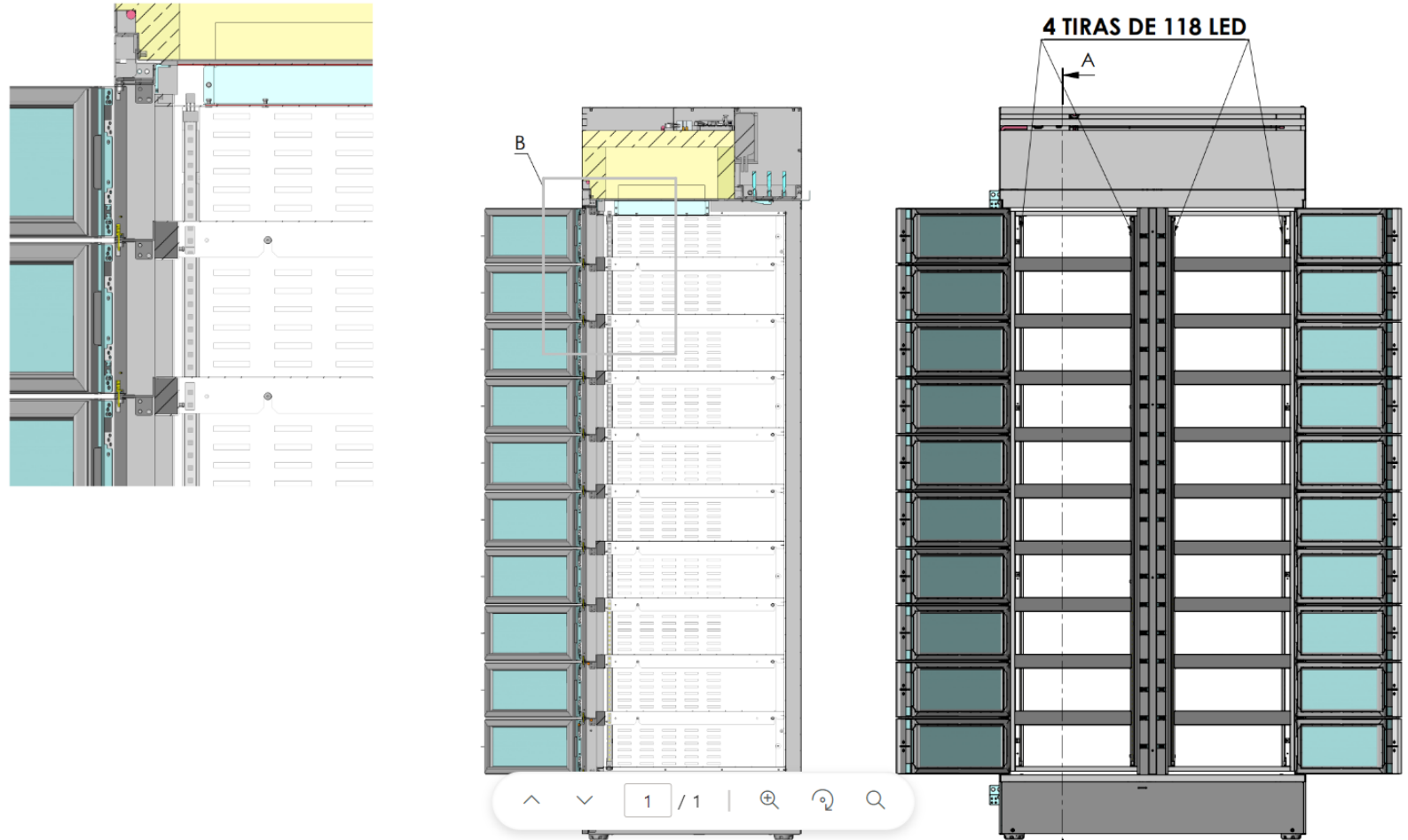
Door Design

- Spring system:



Lighting

- The compartments have RGBW lighting.
- There are 4 LED strips on the machine (2 in each column) to achieve adequate illumination of the compartment
- This led strip includes LEDs banks on the strip itself, which makes certain products look optimally

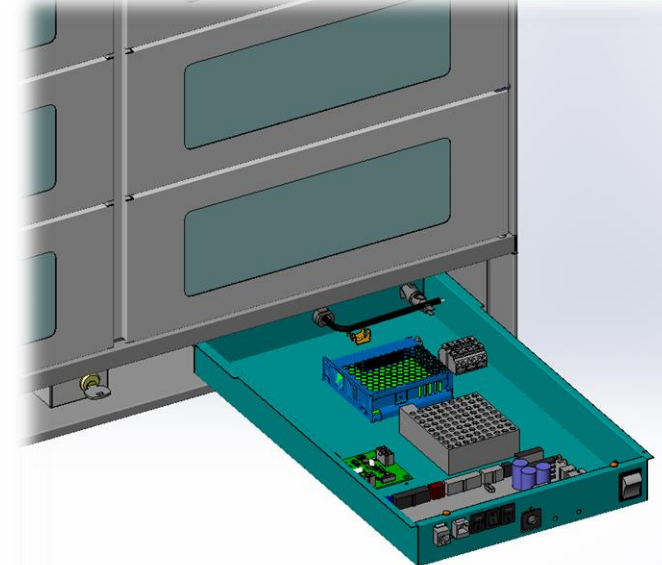
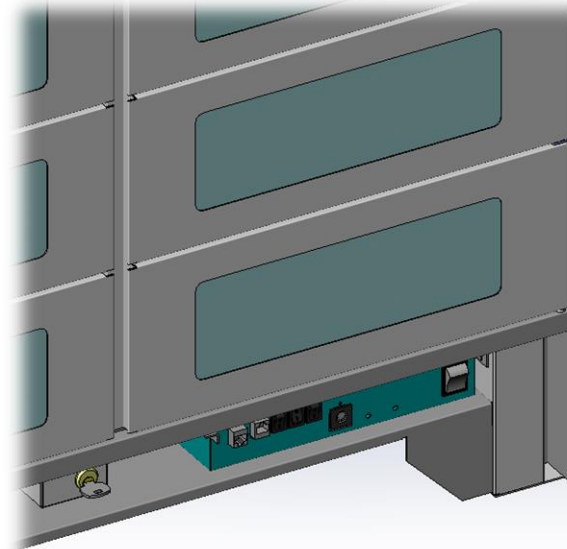
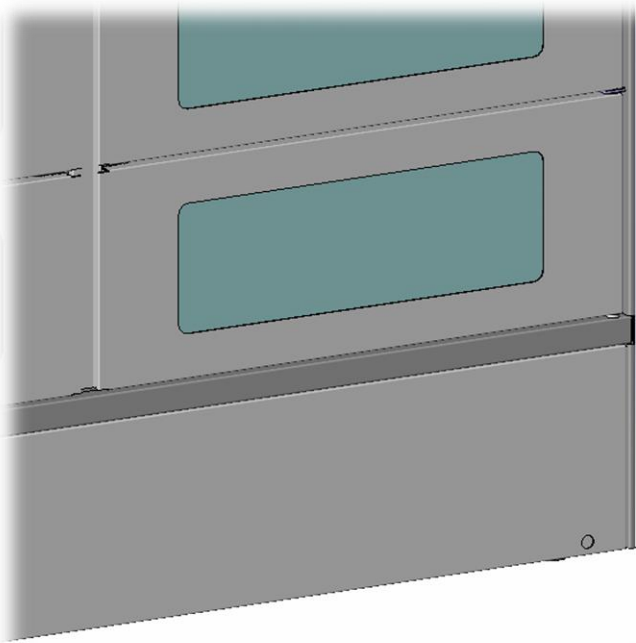


Electronics & Software

- It is placed in the lower area of the machine for better access
- The current card used in the Casia Lockers is a tobacco card, it does not have control for cold group
- This card can be configured with a peripheral number
- The software of the master machines will be adapted so that the cutting temperature of these machines can be configured. Initially, we will support the V8 masters

Location electronic box

- The electronic board with all its components is located at the bottom of the machine.
- There is also the emergency opening.



CERTIFICATIONS

- The machine has CE Certificate of Conformity and CB Certificate (in process):





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