

Master Project

Training & Installation

Schedule – Day 1 Training

Presents ALFA: Fernando Carbajal, Technical Service

	Day #1	Day #2	Day #3
<i>In the morning</i>	<u>Theoretical:</u> <ul style="list-style-type: none"> - Concept and Modularity - Machine components - Technical aspects - Unpacking and installation - Set-up - Questions, Answers 	<u>Theoretical:</u> <ul style="list-style-type: none"> - Software and Electronics - Machine configuration calibration and functionalities - Alfa Admin, Alfa Tint and Alfa Cloud - Importance of connecting the machines to the Internet - Questions, Answers 	<u>Theoretical & Practical</u> <ul style="list-style-type: none"> - Most frequent problems and solutions - Preventive maintenance at the point of sale - Questions, Answers
<i>In the afternoon</i>	<u>Practical:</u> <ul style="list-style-type: none"> - Works with the 2 machines in warehouse 	<u>Practical:</u> <ul style="list-style-type: none"> - Application in the sale points with the machines 	
<i>Final day</i>	Practice Quiz	Practice Quiz	Final Evaluation

Master

How does it work

Current marketing model



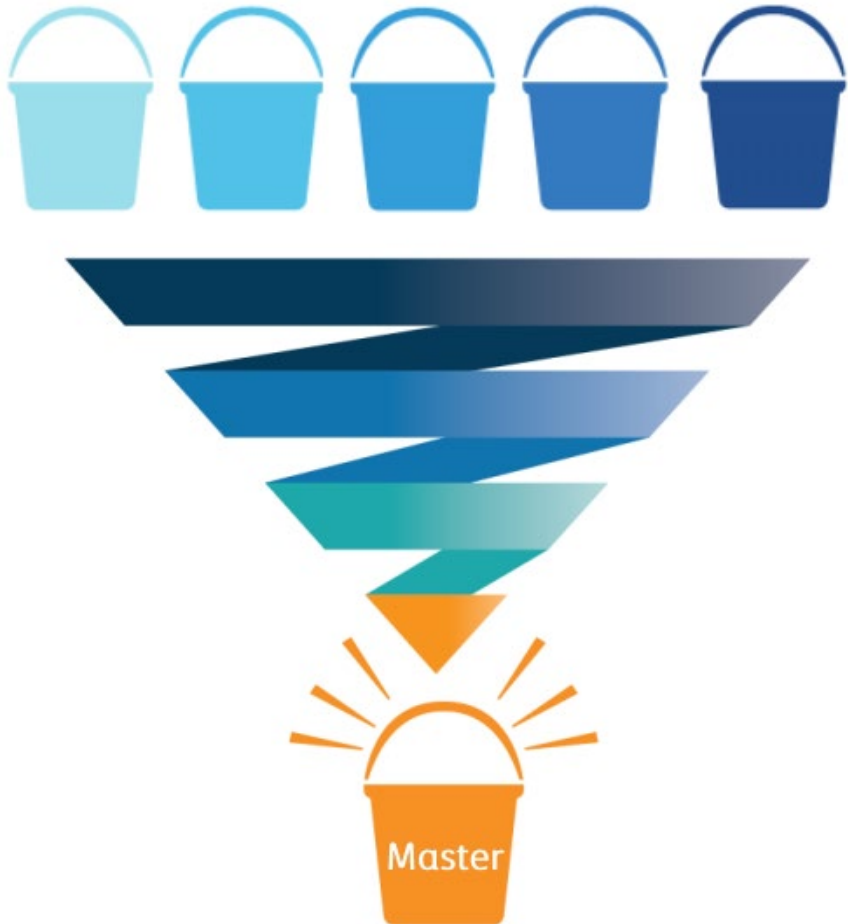
+



=

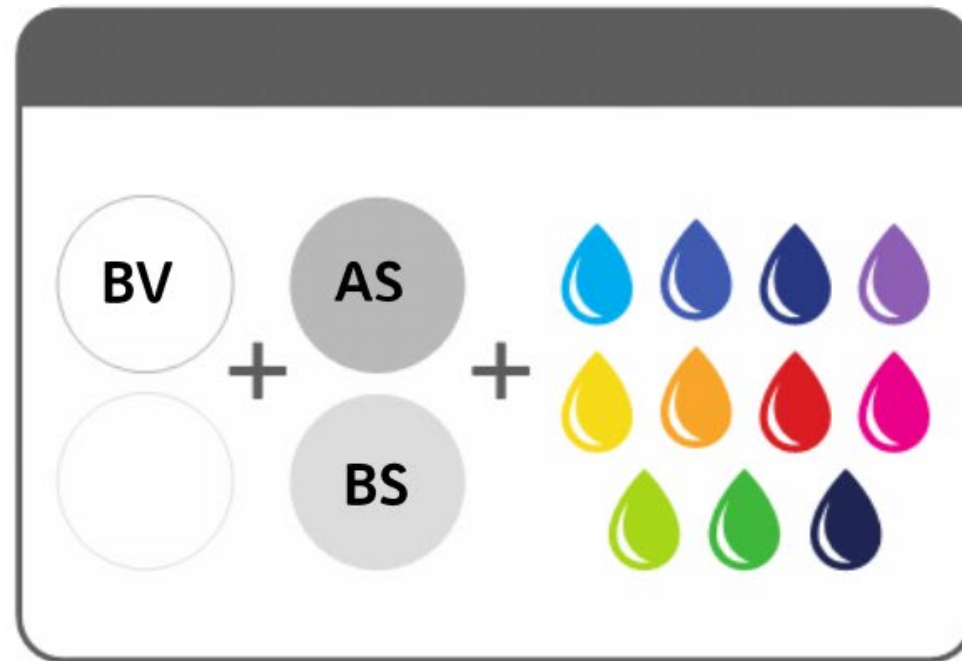
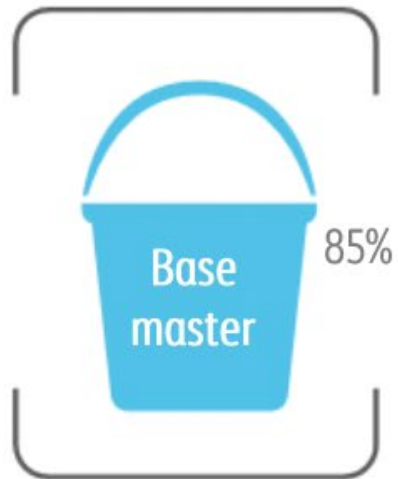


1 Base Master



Go from a 5 base formulation to obtain all the colors with one single Master Base.

Master Model



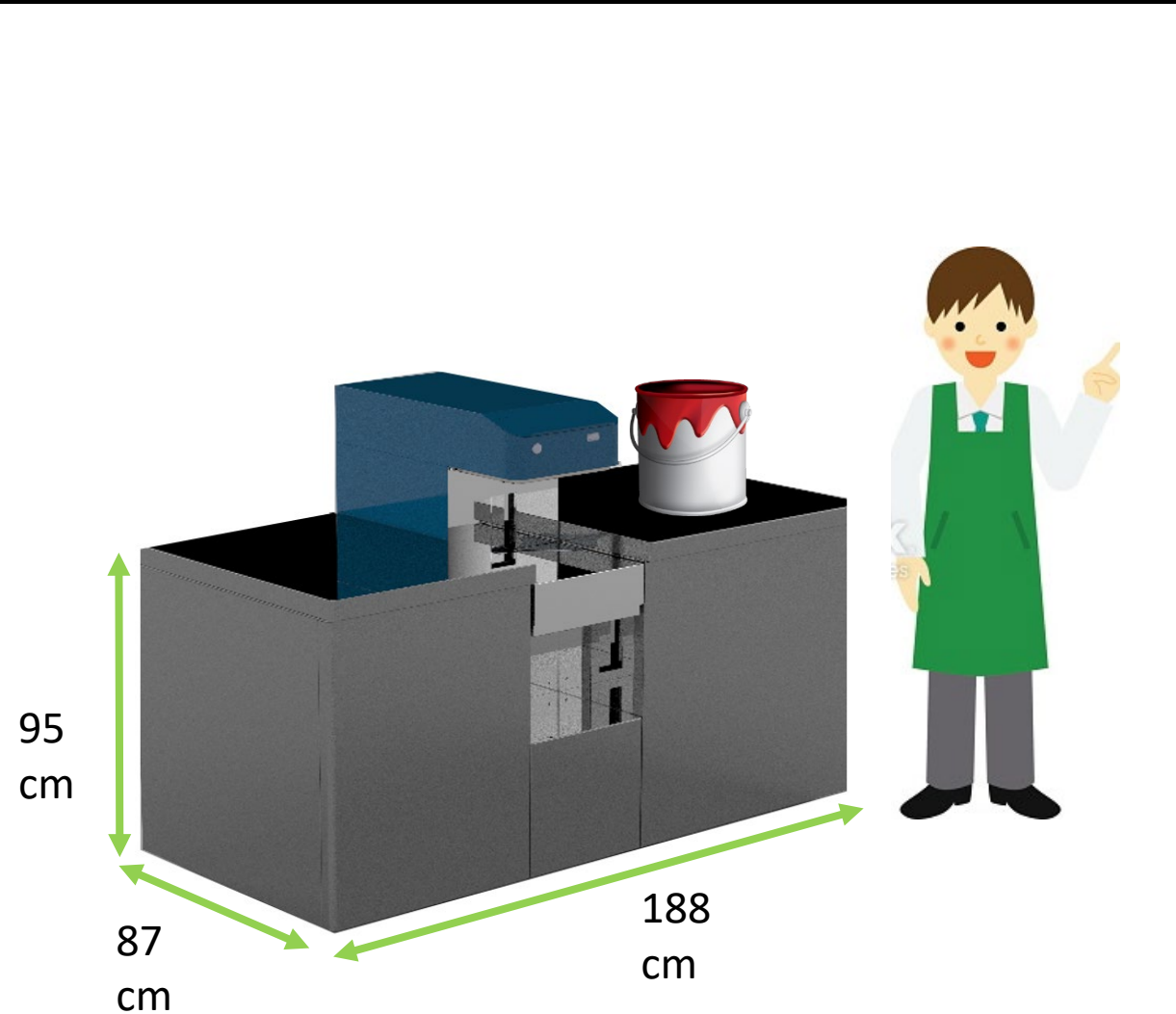
=



Master Equipment

The Concept and Modulation

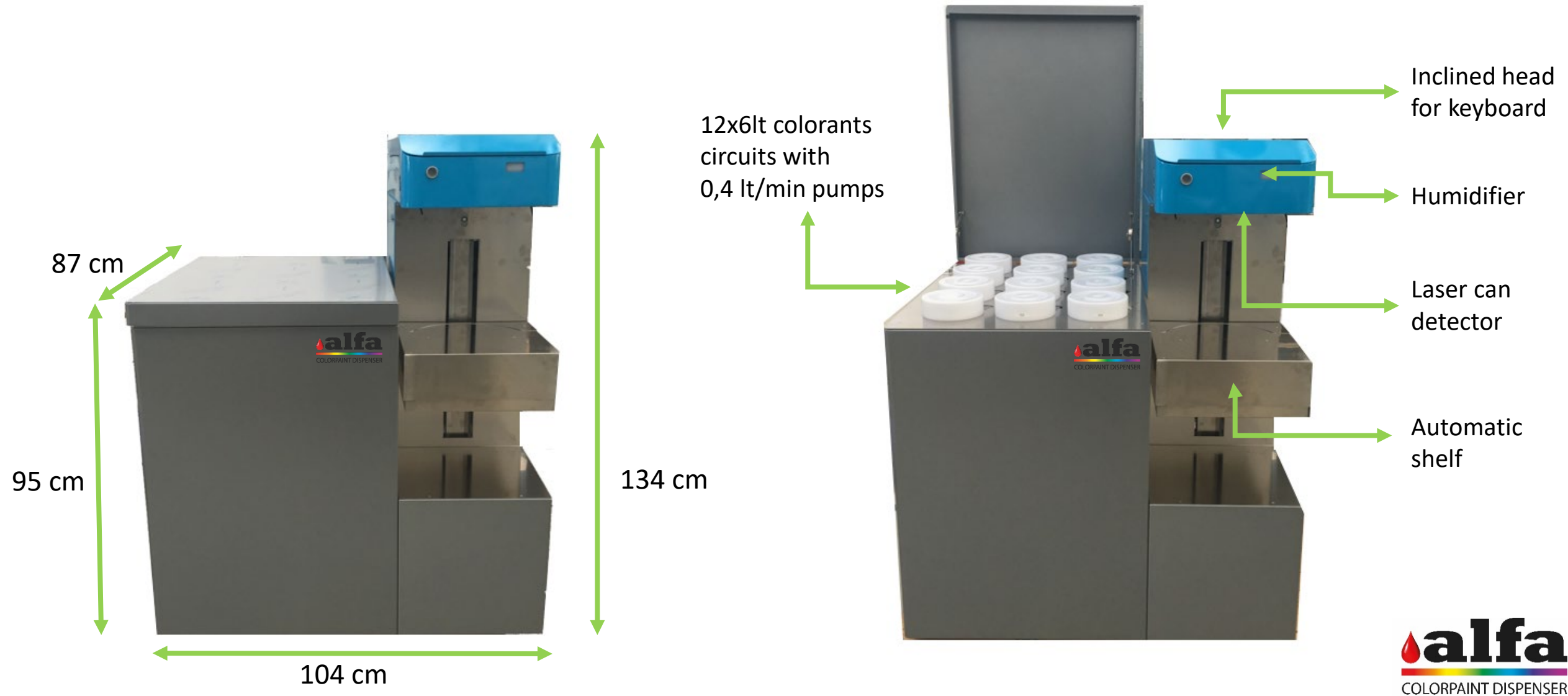
Desk Master V2.0



Modular design of working with traditional bases and master base at the same time.

Equipment to be used as a “Desk” work table, forming part of the operator’s work área.

Desk Tinting V2.0



Modulation

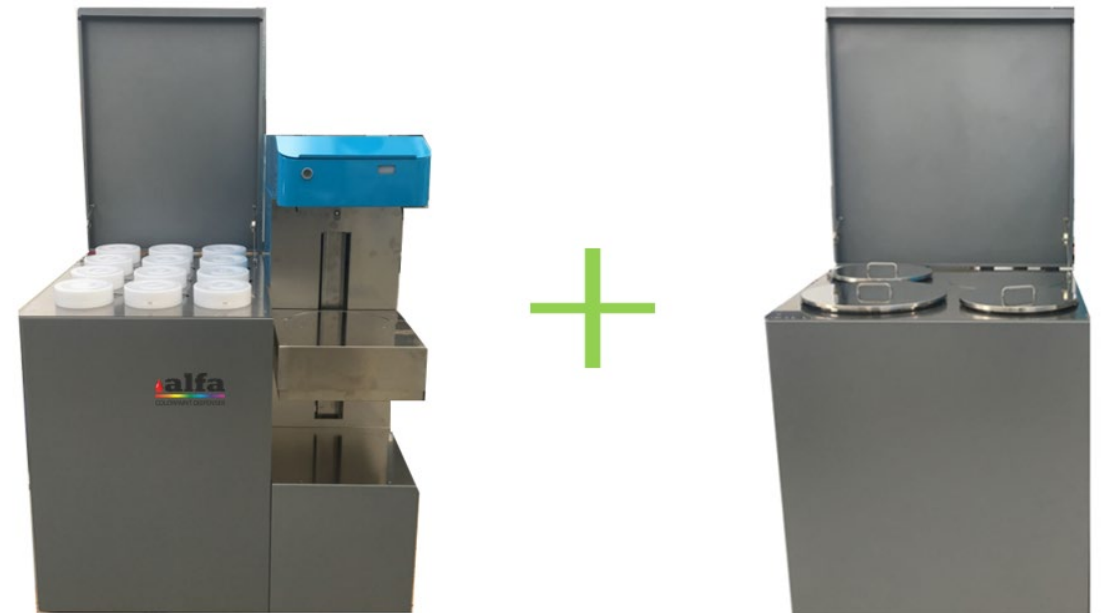
STEP 1

Install the Desk Tinting in new points of sale ore for replacement of current machines.

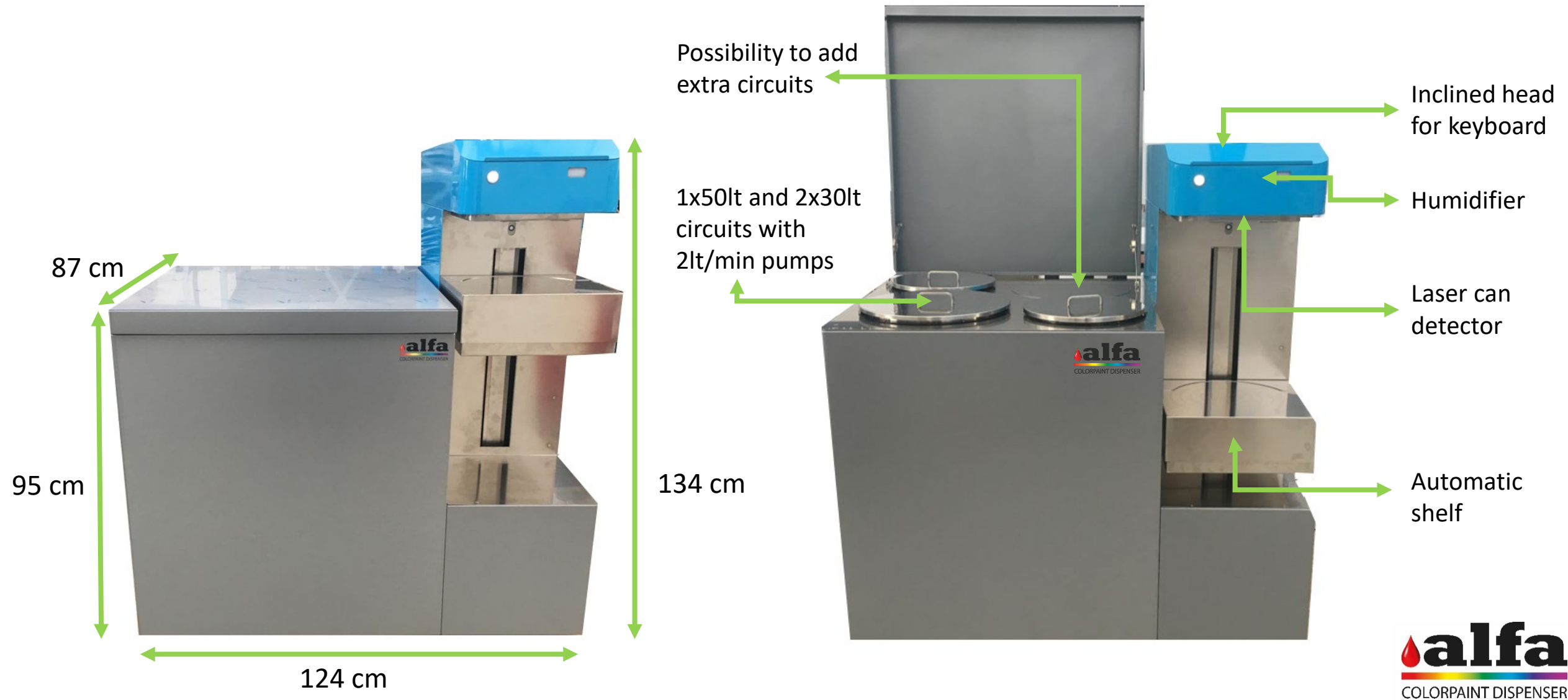


STEP 2

Once the Master system has ben develop you simply have to attach the Master Module



Master Module Head



Modulation

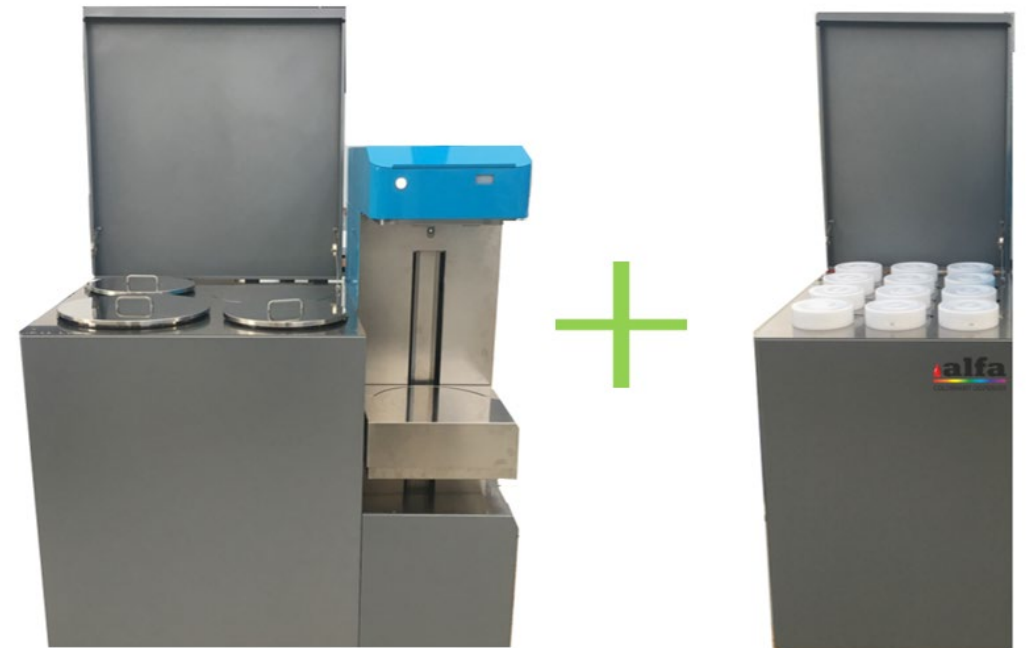
STEP 1

Install the Master Module Head on the side of the current tintometer (other brands)

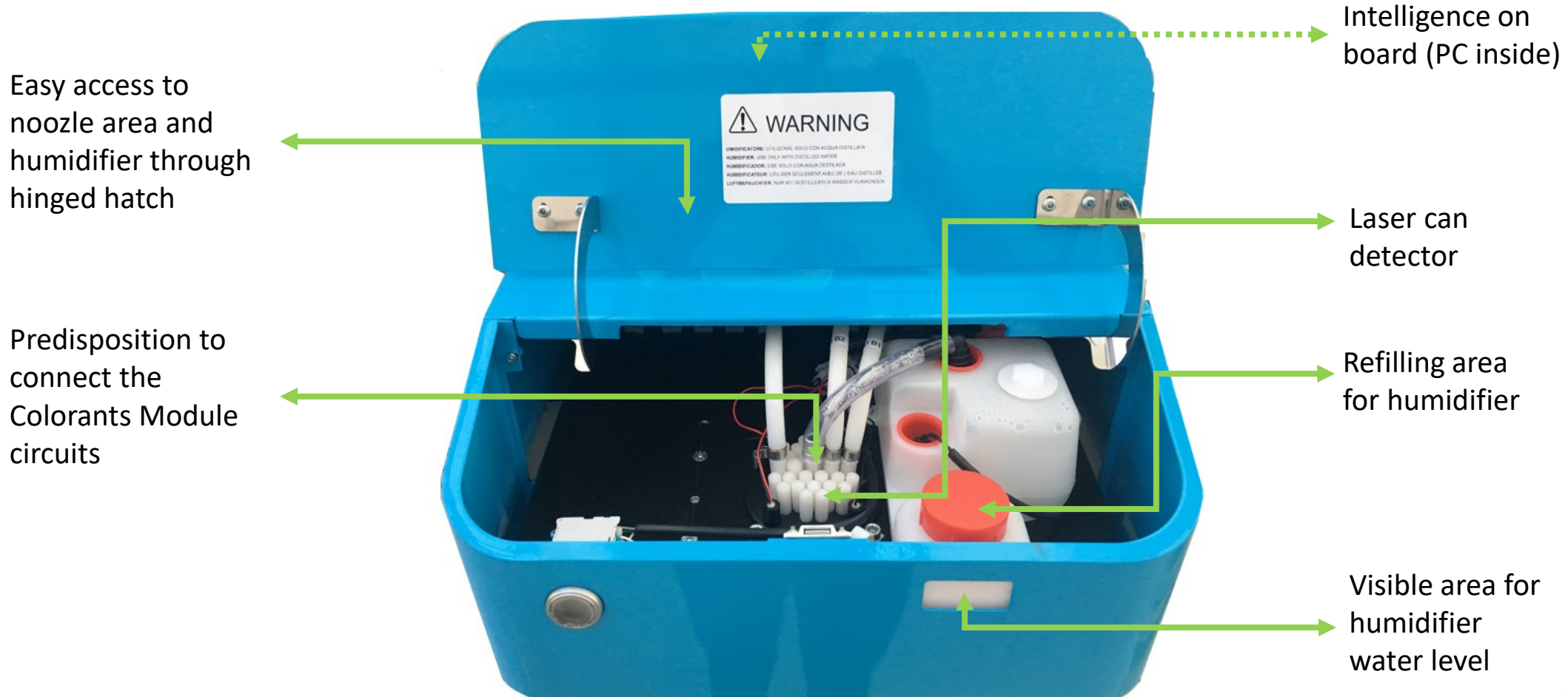


STEP 2

When the useful life of the tintometer ends or you decide to replace it, simply attach the module of colorants



Dispensing Head Features V2.0



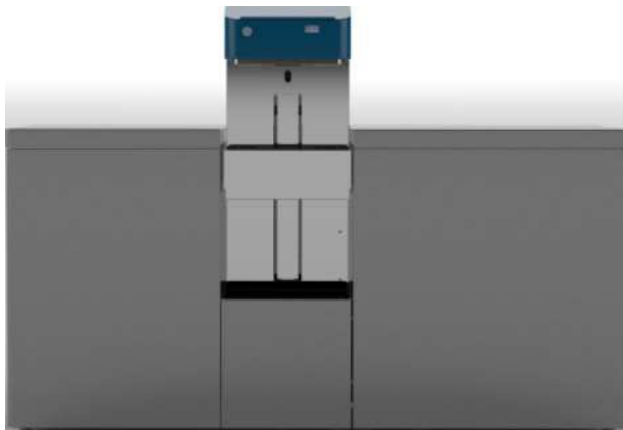
DESK

Overview

Desk Master



Complete machine (Desk Master)



Version 2.0

THE MAIN COMPONENTS

1. Color circuits
2. Dispensing head
3. Autocap
4. Tray (automatic/manual)
5. Circuit semi-finished products
6. Electric panel (reverse)

1. Color circuits



Version 1.0



Version 2.0

- Up to 16 circuits
- Canisters of 3 or 6 lt.
- Each circuit is connected to the machine with a connector located at the bottom of the pump support.

2. Head Module



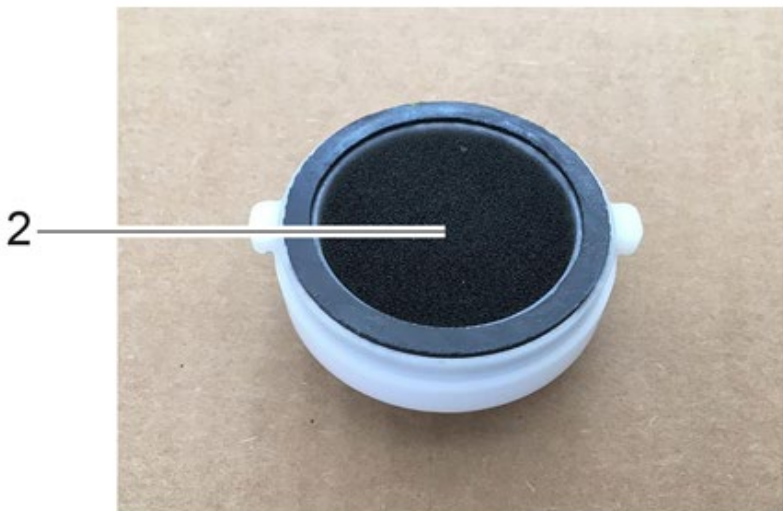
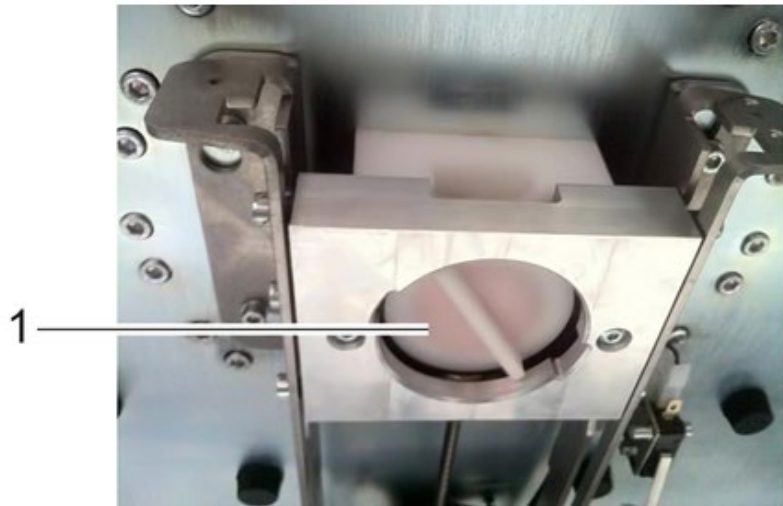
Version 1.0



Version 2.0

- The dispensing nozzle is located at the bottom
- Protected by the colored metal helmet, there are the electrovalves of each circuit.
- The front panel located the switch-on light.

3. Autocap



- The wetting sponge is installed inside the cap.
- Remove the latter when performing maintenance.
- The device has two stats: CLOSES (moisturizer) and OPEN (dispensing/maintenance).

4. Tray



Version 1.0



Version 2.0

- The concentric circles indicate the exact position of the container according to the diameter.
- The tray can be : Automatic (Electronic height change) or Manual (the operator changes the height manually)

5. Semi-finished products circuits



**Foto referencial*

- Up to 4 circuits (2 TiO₂ slurries and 2 Fillers)
- Canister of 6,30 or 50 lt.
- Pumps according to the capacity of the canister.

6. Electric panel



1. On/off Switch
2. Fuse holder 5x20mm T4A 250Vac
3. Standard CT-120 current socket 100-240Vac
4. 4x standard C14 connector Ethernet RJ45
5. RS-232 port (for balance)

DESK

Technical datasheet

Technical datasheet

BOMBA

- 3 years guarantee for critical components of the pump. It does not require additional calibrations, only an initial set-up.
- Recirculates and bleeds air before dispensing.
- Dispenses VOC FREE, water based products and solvent (to be tested).

SOFTWARE

- Easy to connect with external software.
- Direct connection thanks to the embedded Linux PC
- Connection via router or Ethernet cable.
- Easy to monitor and maintain from remote.
- Simultaneous dispensation. Up to 16 colorants / 4 semi-finished products Manual tray.

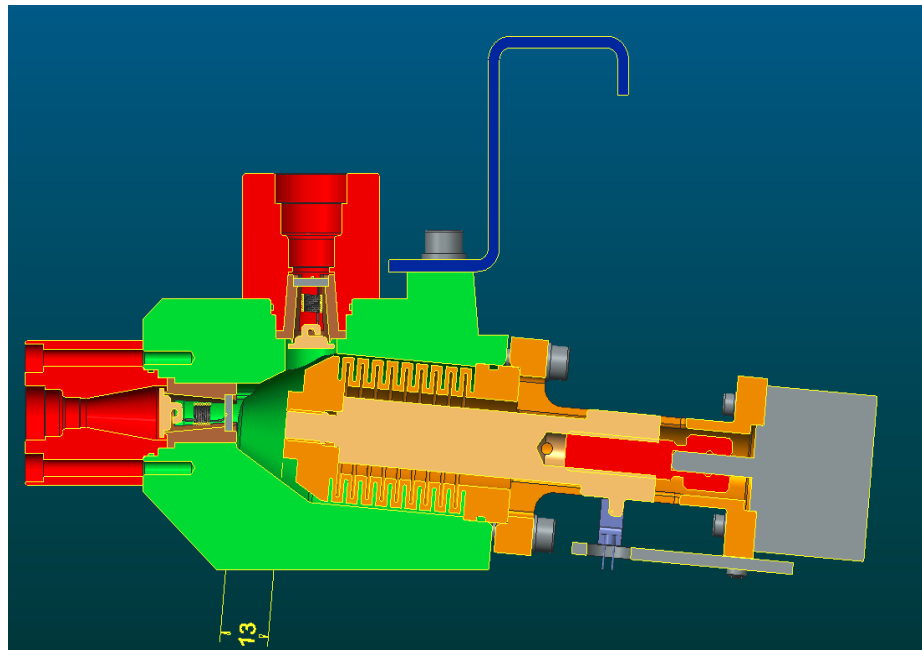
TECH. DATA

- Digital level sensor for semi-finished products. It is not mandatory to use a PC, it can work with any device with a browser installed.

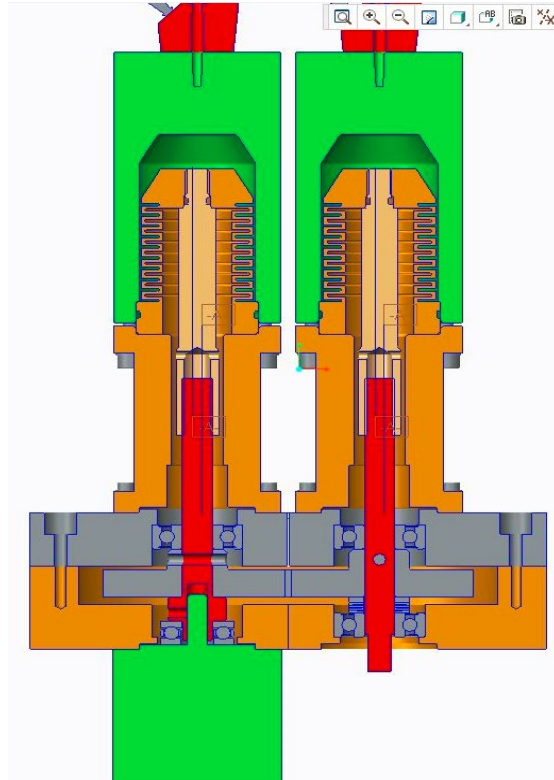


Advantages of Dispensation technology

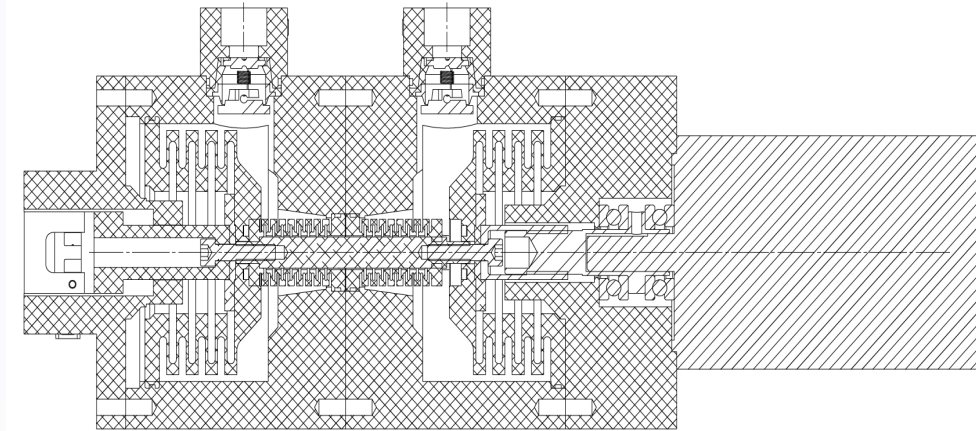
0,2 lt/min
(min. 0,038cc*)



0,4 lt/min
(mi. 0,038cc*)



2,0 lt/min
(min. 0,4cc*)



Piston without garrison;
Check valve system. Pump design and dispensing process to prevent the air from affecting the dosed volume. To be installed with a 3 way remote valve. Movement of the push-pull piston to obtain a continuous dispensing for 0.4 l / min and 2 l / min.

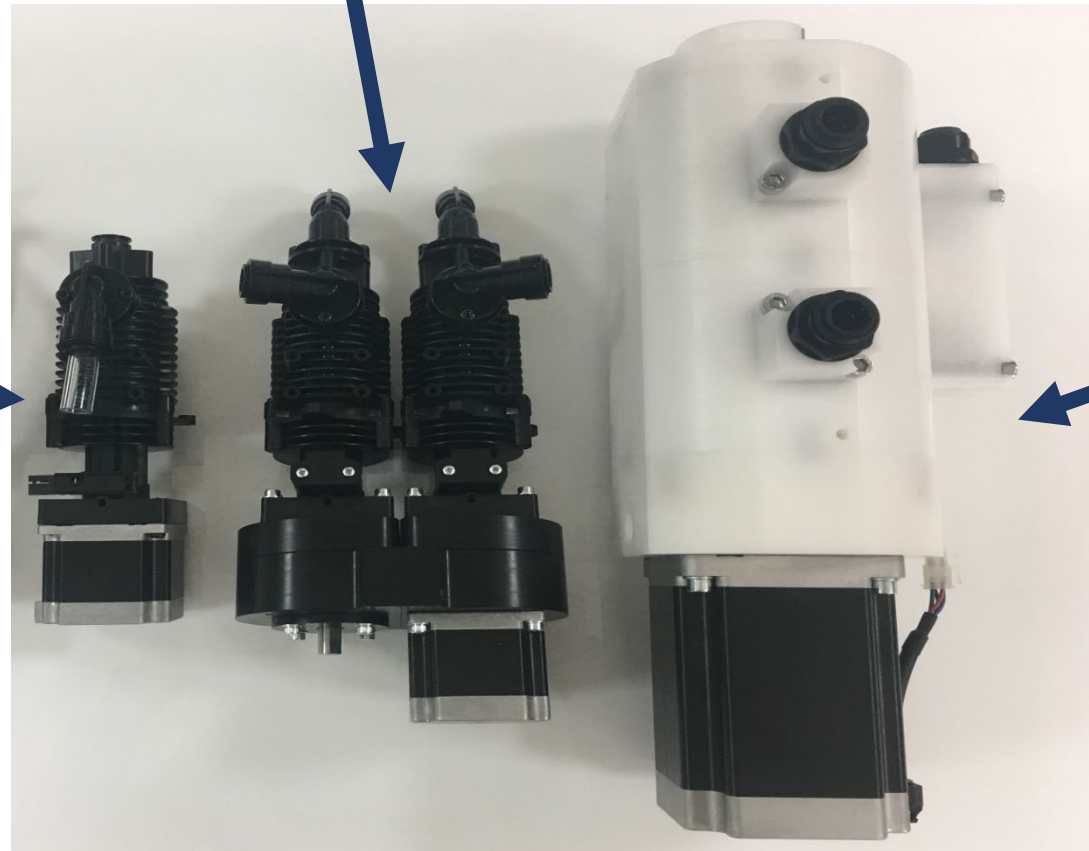
* Values affected by the nature of the colorants /
semifinished products and their rheological properties

Pumps

0,5 l/min

0,25 l/min

3 l/min



New improvements

Long reduction of the machine *

- Automatic tray *
- Laser centering of containers *
- Membrane pump *
- Ecological humidifier *
- Upgrade for solvent-based products

**Available fro the next OC*

***they can be replaced by a higher capacity solution*



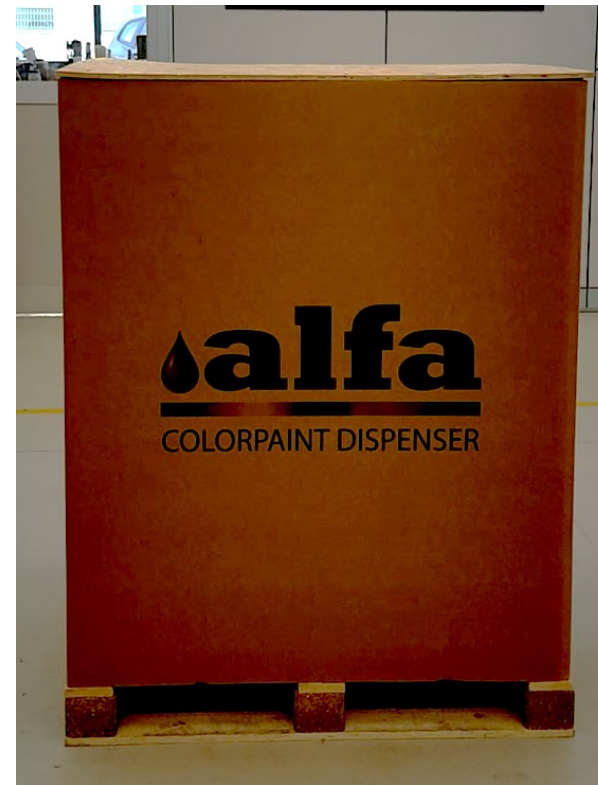
DESK

Unpacking and installation

Desk Master: 2 pallets



Desk Tinting



Master Module

Unpacking 1/2



Lift the wooden lid (1) and place it on the floor near the machine. Slide the box upwards and remove the protective plastics (Pluriball). Remove the 4 supports (2) that hold the machine to the pallet by loosening the M8 nuts (3) with a 13mm wrench.

Unpacking 2/2



With a hammer remove the supports of the machine (4) and check that it is on the wheels. Lid (1) can be used as a ramp to lower the pallet machine. Slowly roll the machine with the help of the ramp.

Installation package



After unpacking, make sure that the following accessories are present:

- Power cable;
- Ethernet cable;
- Operator Manual;
- Fuse holder (spare);
- Autocap sponge kit.

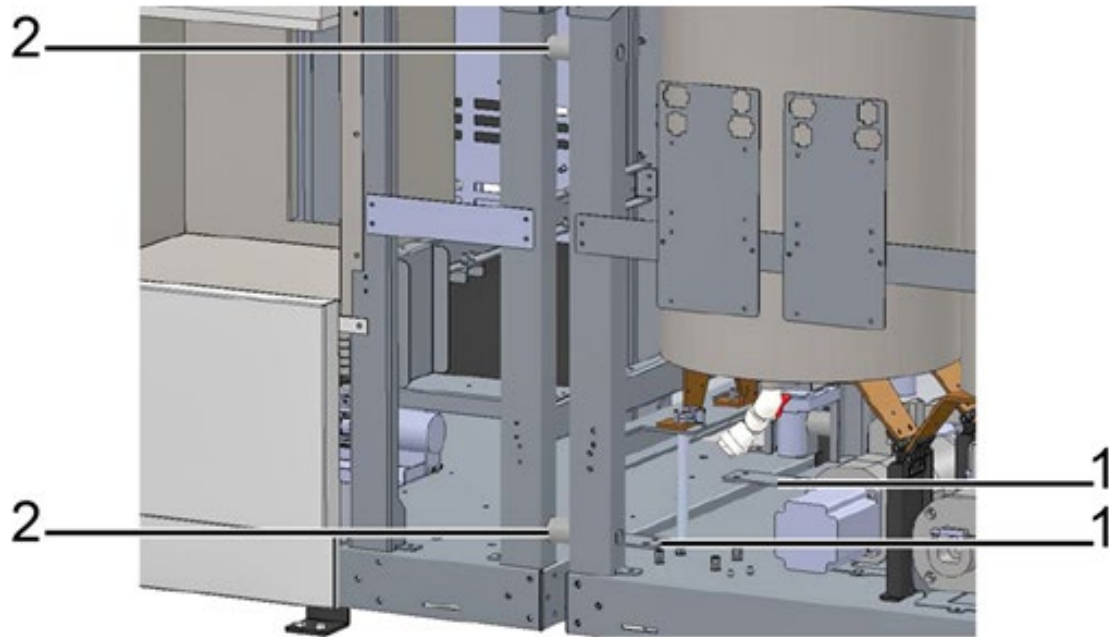
Label and electrical connection



The electrical requirements are specified on the label:

- Model: machine model
- Type
- V
- Hz
- Imax: energy consumption
- SN: serial number
- Made in Italy: year of manufacture
- Fuse Rate: fusible type

Energy consumption

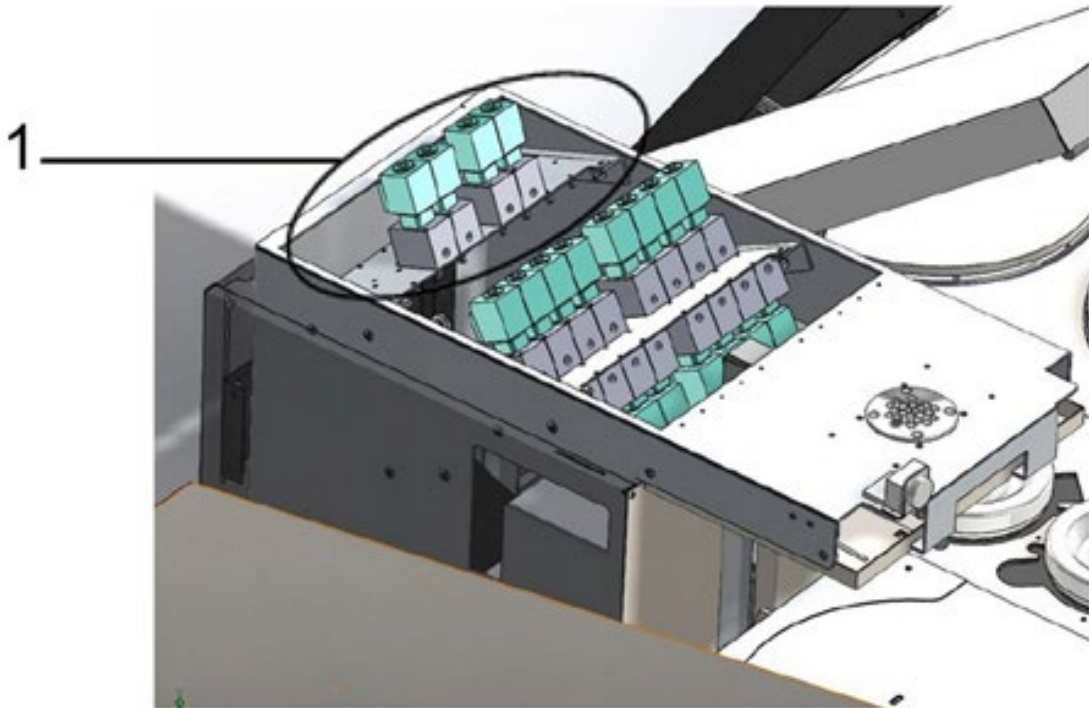


Connect the Master Module to the Desk machine as follows:

- join the bases of each one using the 2 union plates (1)

Join the 2 columns with the 4 spacers (2)

Connection circuits- Module



Each circuit of the Master Module It contains a supply tube (identified with an "M") and a recirculation tube (identified with an "R"). The valves are located in the second row at the head of the machine (1)

Electrical connection – Module



The wiring of the Master Module contains a single connector that must be connected to the free plug (1) located in the last circuit of the Desk Tinting (usually C13).

Switch-on & Initialization 1/2

MACHINE:

IP: 192.168.0.100
NETMASK: 255.255.255.0

PC:

IP: 192.168.0.XXX
NETMASK: 255.255.255.0

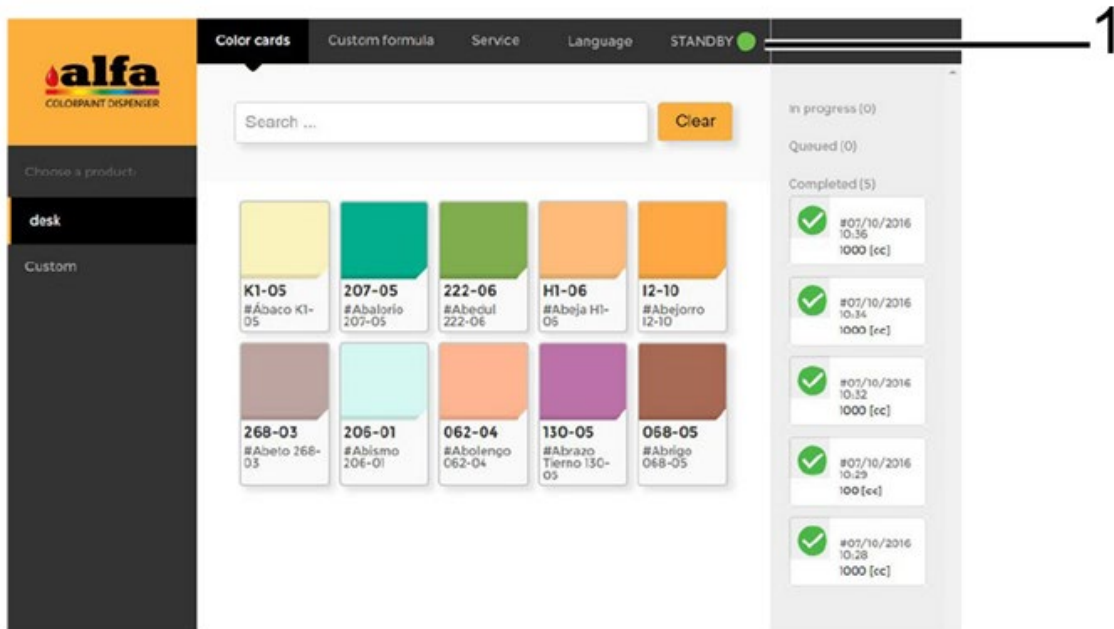
xxx = free subnet address

 192.168.15.100




- Connect the PC to the machine using the Ethernet cable provided.
- The default IP address of the machine is 192.168.0.100.
- Update the network configuration of the PC with the IP address 192.168.0.99
- Turn on the machine by moving the switch to the "I" position

Switch-on & Initialization 2/2



- In the upper right part you can see the status of the machine (1).
 - From the switch-on, the machine is in the ALERT state (red indicator).
- To use the machine, it is necessary to perform a RESET.
- When the operation has been completed, check that the STAND-BY status (green indicator) is displayed.

Installation Form

	INSTALLATION AND WARRANTY FORM	Technician: Company:
MACHINE INFORMATION		
Model		
Serial number		
Software version		
INSTALLATION INFORMATION		
Agent/distributor		
Customer		
Date of installation		
Place of installation		
TERMS OF WARRANTY		
<p>The customer certifies that the final testing of the machine was successful. As per agreed terms, the warranty is valid for a period of 12 months from installation, but not later than 15 months from delivery. This warranty covers all spare parts, recognized by Alfa as defective. The warranty does not cover man-hour, board and lodging and travel expenses of the service personnel which will be charged to the customer at the applicable service fees. No warranty is granted in case: the machine is installed by personnel not authorized by Alfa; damages are caused by unauthorized modifications of the machine; problems with the power supply such as fluctuating supply occur; colorants or bases have not been tested and approved by Alfa; events of force majeure.</p>		
Technician's signature	Customer's signature	

Rev.20190429

Alfa S.r.l.
Headquarters: Via Caluri di Ustica, 28, I-40012 - Calderara di Reno (BO), Italy
Tel. +39 (0)51 0828494 Fax +39 (0)51 0823083
Registered Office: Via Santa Chiara, 21 - 40137 - Bologna, Italy
VAT: IT-02864971205 - REA: BO-1533877 - Share Capital: € 500.000,00 I.p.a.
Website: www.alfadisdispenser.com - E-mail: info@alfadisdispenser.com - cs@alfadisdispenser.com - alfa.far@alfadisdispenser.com

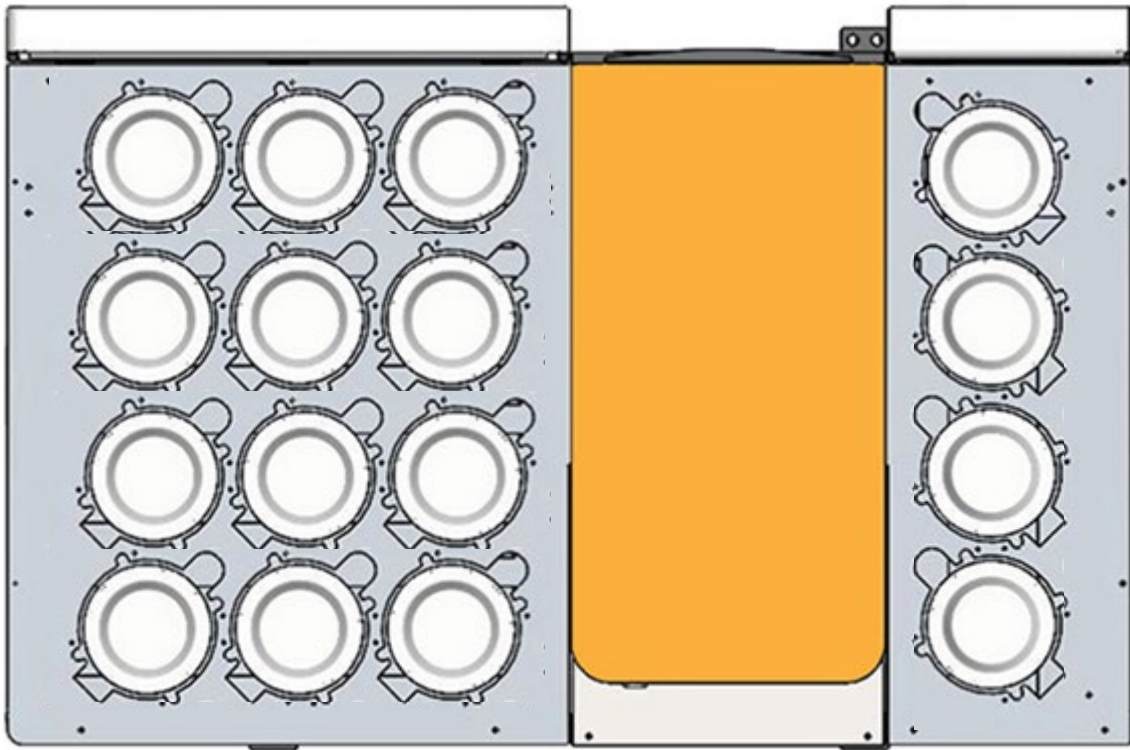
For each installation, the form must be completed, signed and sent to Alfa.
info@alfadisdispenser.com

It is essential for the certification of the equipment warranty.

DESK

Set-up

Loading of colorants 1/3



- Each coloring group is associated with a hardware position / address. For convenience, the order is according to the attached image.
- The canisters are always marked with labels from C1 to Cn, depending on the total number of circuits present.

Loading of colorants 2/3

alfa
COLORPAINT DISPENSER

Color cards Custom formula **Service** Language STANDBY

Purge Warm Reset Cold Reset

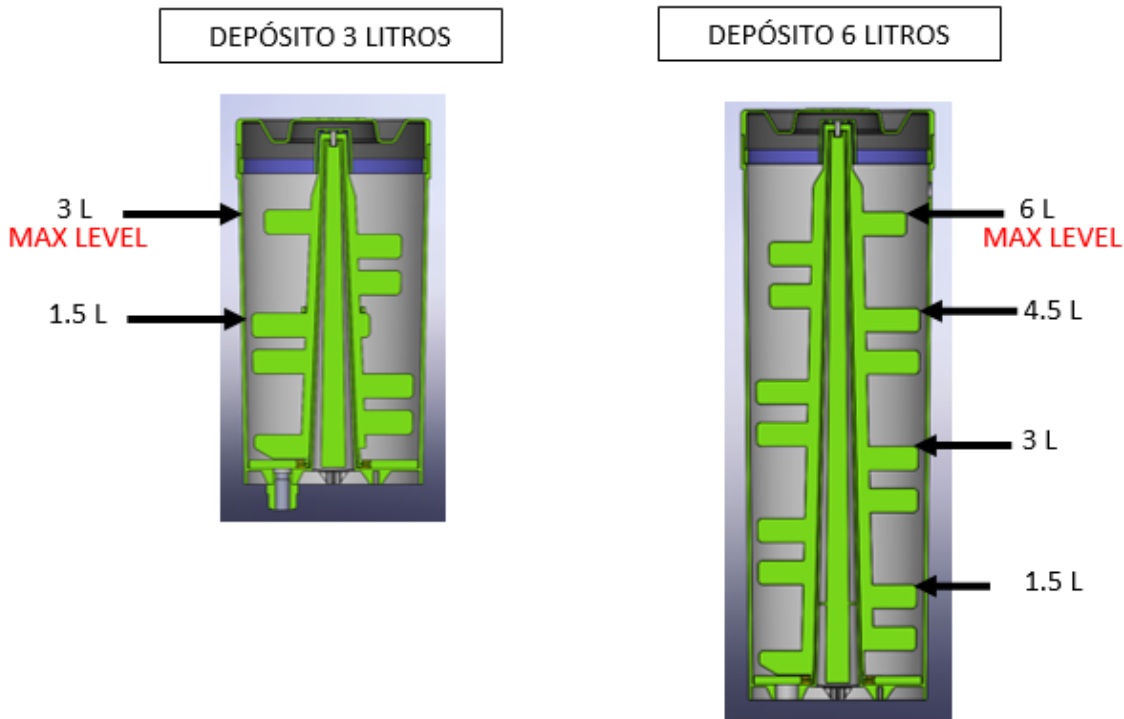
Diagnostic Mode Open autocap Close autocap

Name	Pigment	Index	Current level	Add [cc] ...	Min/Max [cc]	Flags
C1	BK Negro	8	809	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C2	BL Azul	9	2998	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C3	FR Rojo Organico	10	2980	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C4	GR Verde	11	2863	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C5	HX Amarillo Cub	12	2994	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C6	MG Magenta	13	3000	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C7	RD Rojo Oxido	14	3000	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C8	SO Naranja Std	15	2998	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C9	SX Amarillo Std	16	2491	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C10	UR Tierra Sombra	17	3000	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C11	WH Blanco	18	2719	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge
C12	XO Amarillo Oxido	19	2950	<input type="text"/> +	500 / 3000	<input type="checkbox"/> <input type="checkbox"/> Purge

The association-position of the dye can be viewed from the "Service" Window of the ALFA control software.

Said association may be modified by authorized technical personnel.

Loading of colorants 3/3

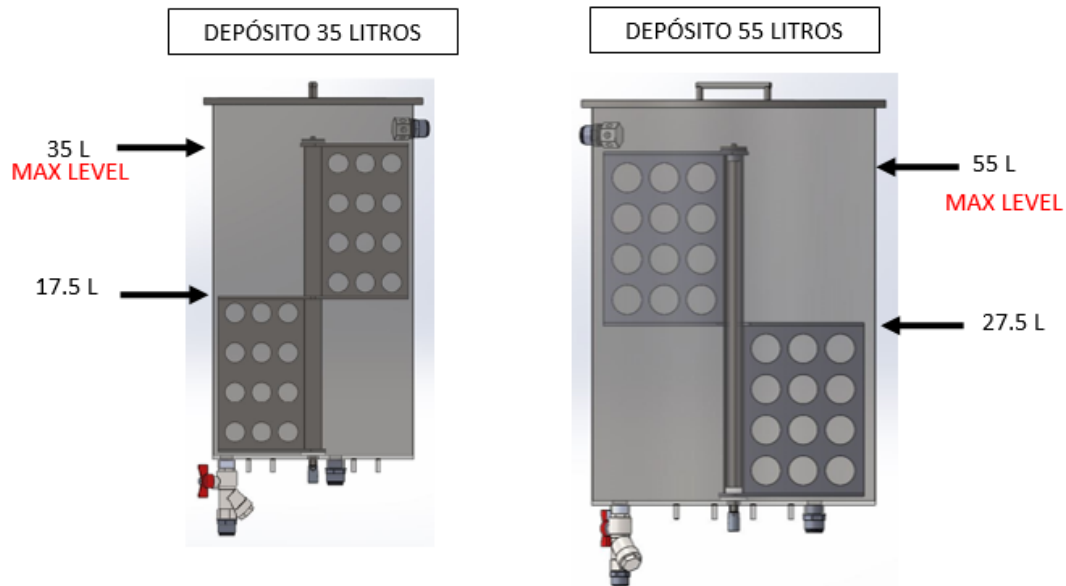
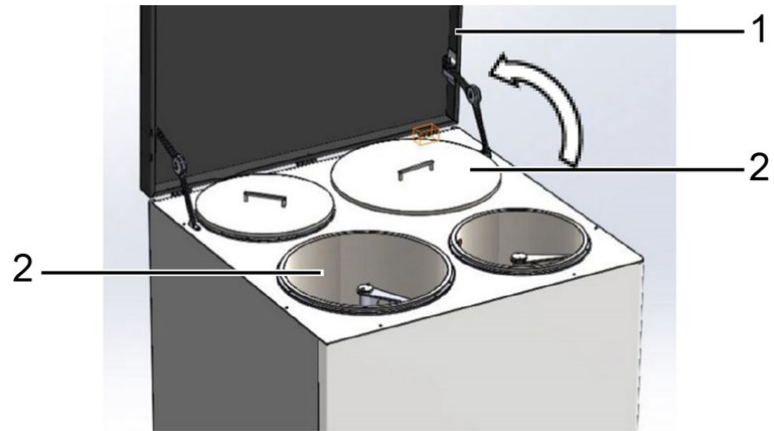


Set-up the system tinting and load the canisters according to the sequence. Then, leave in recirculation mode for at least 12h.

ATTENTION: do not load the canisters (see MAX LEVEL on the lid of the machine).

Loading of products

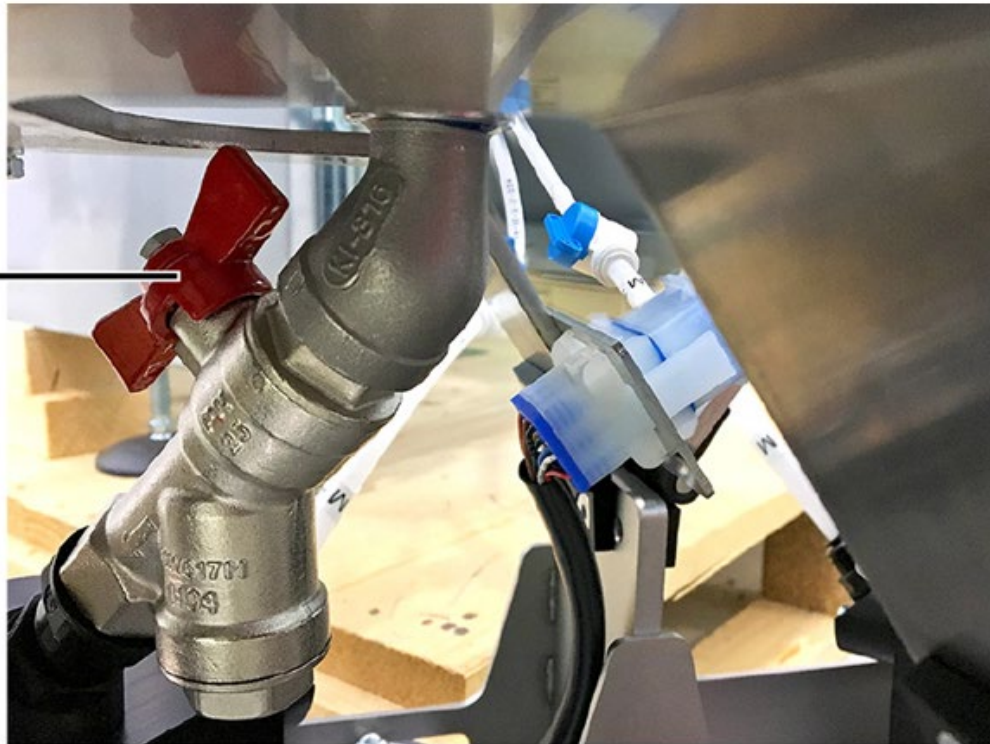
Semi-finished products 1/2



- Open the top cover of the Master Module (1).
- Remove the covers (2) and load the tanks with the product indicated by the software.
- The Master Module can have different configurations; the numbers of circuits are indicated in each one.

Loading of products

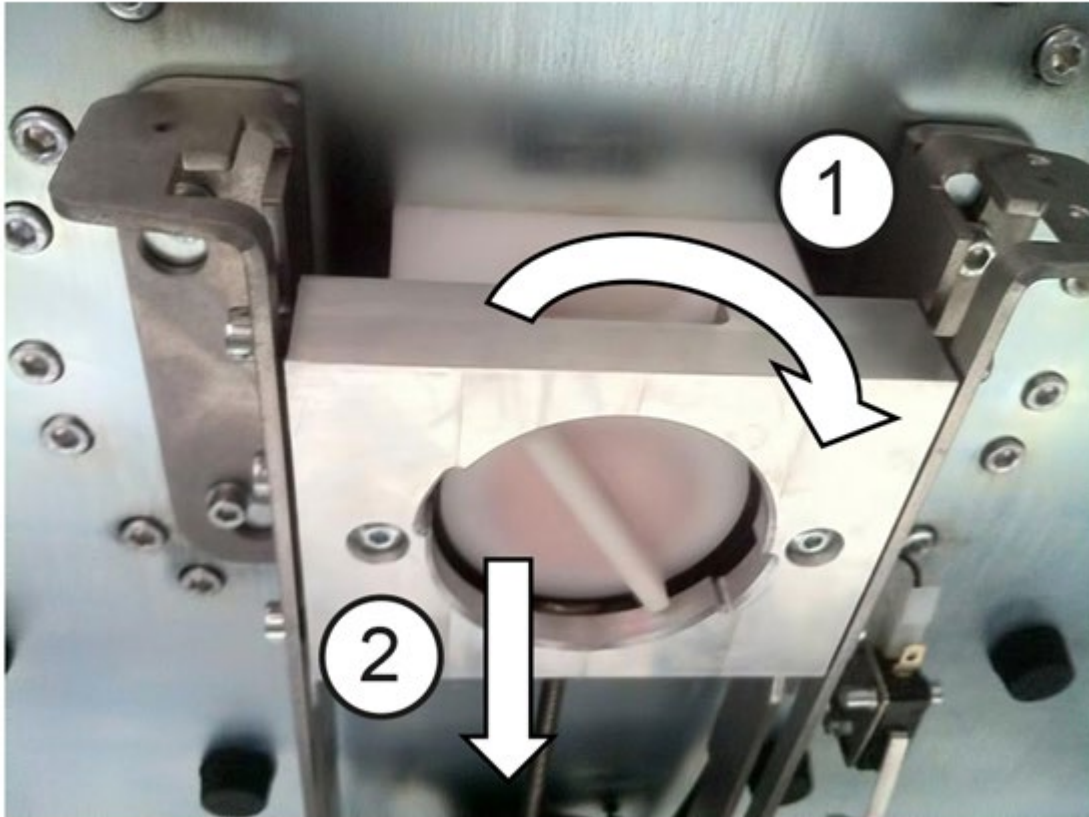
Semi-finished products 2/2



Below the tanks are the pumping units with the shut-off valves (1).

Before testing the circuits, check that the valve is open.

Hydration Autocap



During the installation, wet the sponge of the nozzles as follows: Loosen the sponge cap / bracket present in the lower part of the autocap system (1) and remove it from its position (2);

Wet the sponge (use water mixed with glycol);

Install the cover in the original position.

Thank you!

