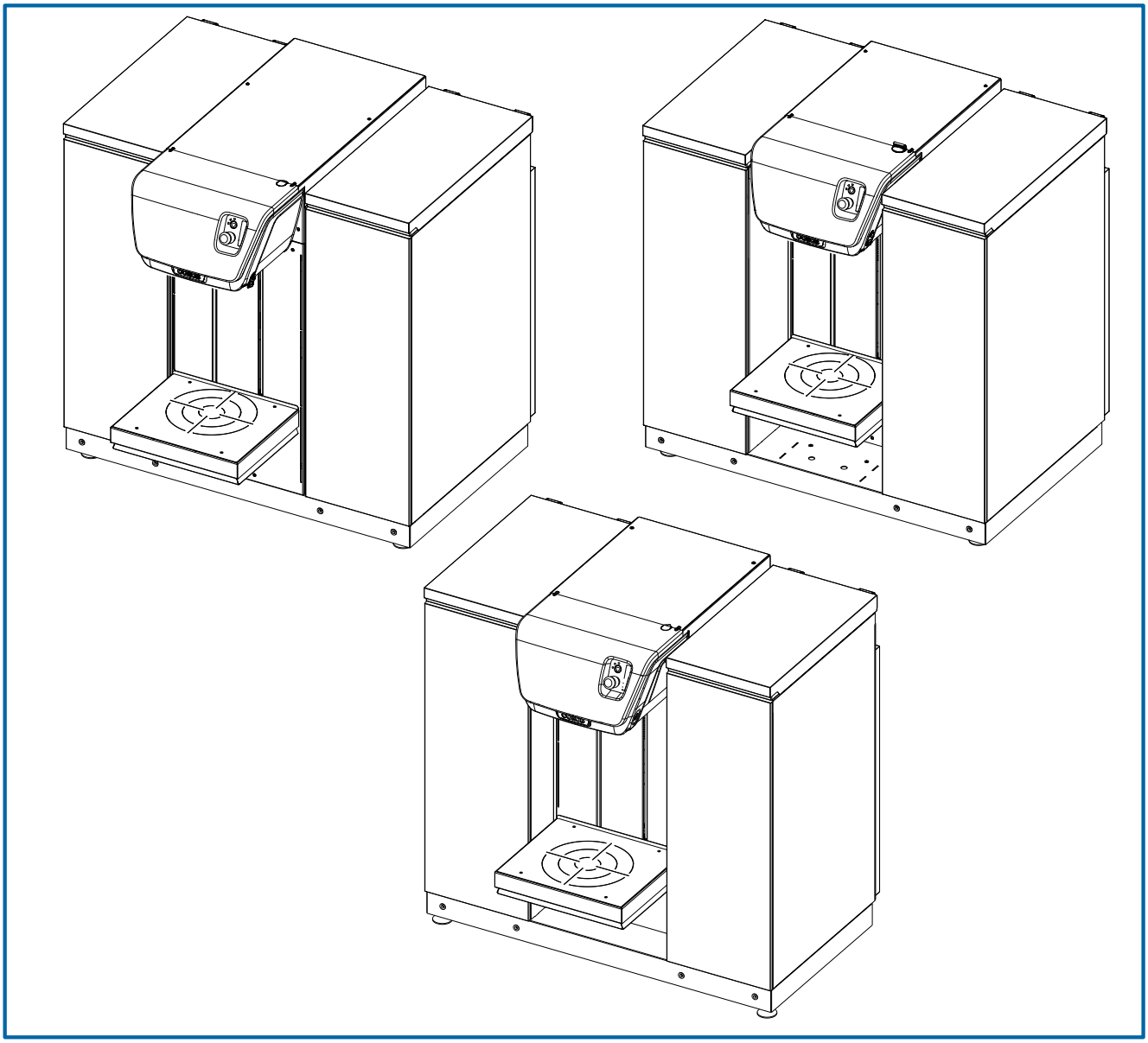
corob

EVOPWR / EVOPWR CD V02

Automatic dispenser

User's Manual



V2.0R0 (05/2025)

User's Manual

Automatic dispenser

EVOPWR/EVOPWR CD - V02

V2.0 - R0 (05/2025)

TRANSLATION OF THE ORIGINAL INSTRUCTIONS

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QUICK GUIDE

At the beginning of the working day

- Check that the nozzle center is clean.
- (With humidifier for solvent-based colorants or without humidifier) Check that the sponge is clean and saturated; if it is necessary to saturate, use only appropriate liquid (the choice of the liquid depends on the nature of the colorants, and must be done directly by the manufacturer of the products used).
- (With humidifier for water-based colorants) Check that the water in the bottle is not below the minimum level.
- (With Autopad) Check that the pad is clean.
- (With Puncher) Check the cutting tool is clean.
- Carry out system Purge (not necessary if the dispenser is equipped with Integrated Nozzle Valve System, INV).

Things to remember

- Never let the machine in the OFF position.
- In the canisters, stirring of each colorant takes place automatically (stirring times can however be customized).
- Be careful not to fill the canisters with too much colorant. In case of overfilling, act as indicated in the user's manual.
- The colorant to be poured inside the canisters must be stirred manually. Do not use automatic shakers.
- Close the canisters with their lids right after filling operations.
- Remember to update accordingly the canisters filling levels via the management software.
- (With humidifier for solvent-based colorants or without humidifier) The sponge must be saturated at least twice a week (the frequency of intervention is indicative, since it depends on the nature of colorants and the environment conditions).
- (With humidifier for water-based colorants) Top up the water bottle as soon as the minimum level is reached. Do not exceed the maximum level.
- (With Autopad) Clean pad.

At the end of the working day

- Refill the canisters.
- Update the canister filling levels in the management software.
- Shut down the computer. Do not shut off the machine.

It is recommended to carefully read the user's manual.

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1 GENERAL INFORMATION

1.1 Purpose and use of the manual

Read this manual carefully before using the machine.

This manual contains instructions on the use and routine maintenance needed to uphold the machine's performance over time. The manual contains all information needed to correctly use the machine and avoid any accident.

The manual is to be considered an integral part of the machine, and must be stored until it is fully dismantled.

The manual contains all information available at the time of preparation regarding the machine and any accessories; for accessories, the manual includes any variations or changes that involve different operating procedures.

The manual could be available in paper (inserted in the product packing) or in digital format accessible from COROB website. It is possible to ask the manufacturer a paper copy of the manual.

Should it be lost or partially ruined, so that its contents can no longer be read in full, you must request a new manual from the manufacturer.

If the images contained in this manual show the machine without the guards and/or employees without personal protective equipment, it is only for the purpose to make clearer the discussion of the issues.

Some of the illustrations in this manual were taken from prototypes; some details may differ on machines in standard production.

1.1.1 Conventionally used graphics

Boldface type is used to highlight notes or information of particular importance to a topic.

 **HAZARD**
Indicates a risk of personal injury.

 **WARNING**
Indicates a risk of damage to the machine that could interfere with its operation.

 **ATTENTION**
Indicates important instructions referring to precautionary rules and/or measures to adopt.

 **NOTE**
Indicates situations and/or operations that involve the management software installed on the computer.

SAFETY INSTRUCTIONS
Indicates that to carry out the intervention described, the use of the specified tools is required.

1.2 Definitions

OPERATOR
A person familiar with the methods to produce paints or similar products, trained and authorized to operate and use the machine by its controls and to load and unload production materials with all safety devices installed and enabled. He or she must work only in safety conditions and is allowed to carry out routine maintenance operations.

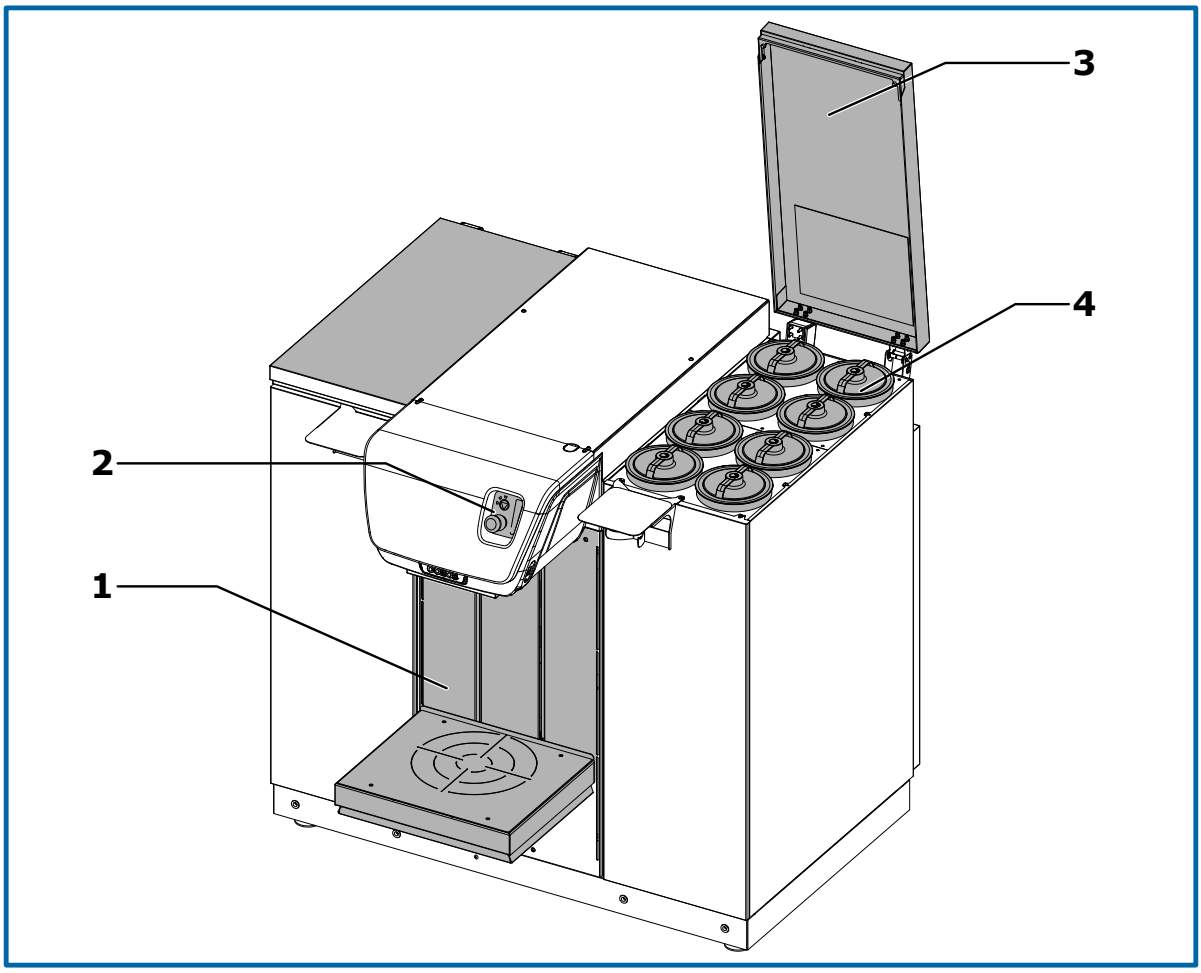
MAINTENANCE TECHNICIAN/INSTALLATION TECHNICIAN
Specialist prepared and trained in a technical field (mechanical and electrical) and assigned by the manufacturer to work on the machine to perform machine installation, adjustments, repair breakdowns or carry out maintenance.

2 PROPERTIES

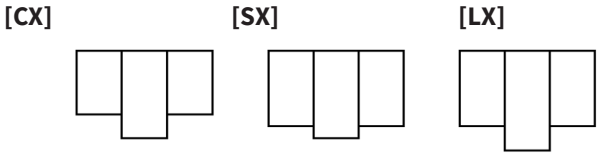
2.1 Description of the machine

The automatic dispenser is a device for automatically dosing (or dispensing) fluid colorants into containers (metal or plastic cans or pails) of the dimensions specified in this manual, pre-filled with base, in order to obtain finished products such as coatings, paints, enamels and inks of the desired color, as selected using the machine management software.

The dispenser is able to recover an interrupted formula, when used with firmware and dispensing programs that support this function.



The machine is available in the [CX] version (compact) and [SX] version (small) up to 24 circuits or up to 32 circuits with INV and in the [LX] version (large) up to 32 circuits.



The models have different dispensing head modules:

- small, for version [CX] and [SX]
- large, for version [LX]

The canister modules of versions [SX] and [LX] are the same. The canister modules of version [CX] are less deep.

The dispenser can be equipped with Single Drive, that allows to activate the circuit pumps individually, or with a Central Drive that activates all the machine pumps simultaneously.

The dispenser consists of:

1. Dispensing and service area in which the cans are placed.
2. Control panel.
3. Upper covers.
4. Tank filling zone.

The dispenser is managed by the computer. The manufacturer provides a wide range of software applications for managing all of the machine functions.

If the computer is positioned in an area not easily accessible by the operator, it is possibile to request the optional function Easy-On that allows to turn on the computer directly from the machine control panel, using the off-line button (chapter Off-line button and WHITE lamp).

If the machine is supplied with the option COROB Connect, it will be possible to drive it through the use of an Android or Windows device, with its corresponding dispensing software. The connection between the device where the dispensing software is installed and the machine is automatic.

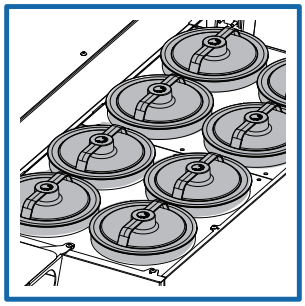
2.2 Description of units

Canisters

The machine canisters can be of different capacities and are suitable for containing the product to be dispensed.

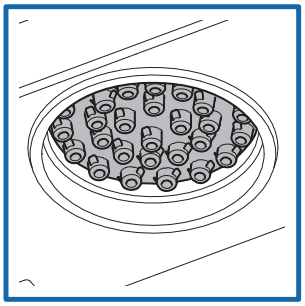
Covers in the upper part of the machine provide access for filling the canisters.

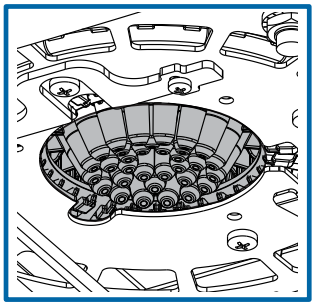
Each tank is closed with a lid.



Nozzles centre

The ends of the dispensing pipes coming from the canisters converge and are fixed to the nozzle center, from which the tinting product to fill the can is dispensed.



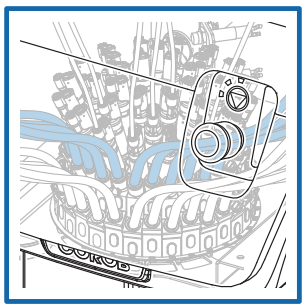


Integrated Nozzle Valve System (INV)

The INV system integrates the dispensing nozzle and the valve of each circuit in a single cartridge.

The cartridges are fitted on a special dispensing head. The machine control logic opens (dispensing) and closes (recirculation) the valves electrically.

The INV system is sealed to prevent the colorant from drying.



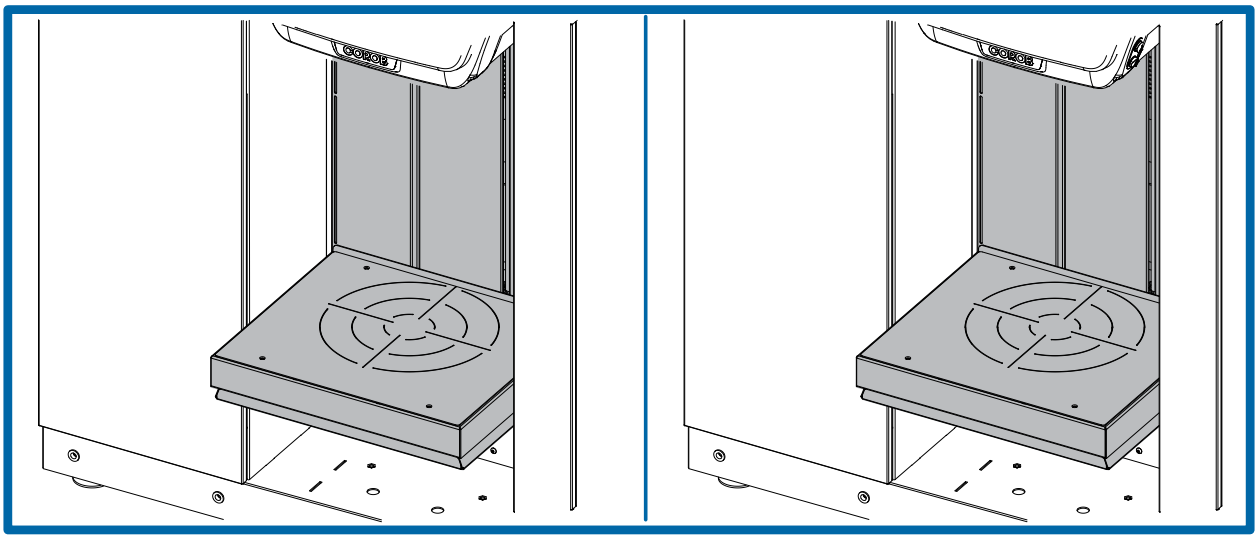
Shelf (optional)

The can shelf allows for the correct positioning of the can under the dispensing nozzle.

It allows to place a scale with its display to dispense the quantity by weight.

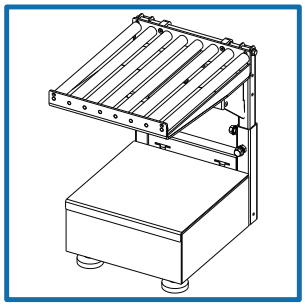
Semiautomatic shelf - The shelf is commanded by the operator with the activation buttons (two-handed control); the shelf stops when the can is detected by the photocell.

Automatic shelf - The shelf is managed by the computer that controls its movement and checks that the can placed on it is actually the one selected for dispensing. A photocell checks for the presence of the can and that the shelf is correctly positioned.



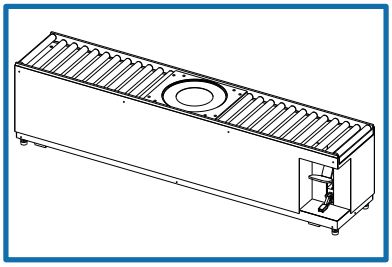
Roll conveyor - [CX] and [LX] version only

The foldable roll conveyor is mounted frontally on the canister module and facilitates the loading of heavy cans on the shelf. The sliding surface can be made of rollers or stainless steel plate. It also features a step that makes canister refilling operations easier for the operator. The roll conveyor has several adjusting heights.



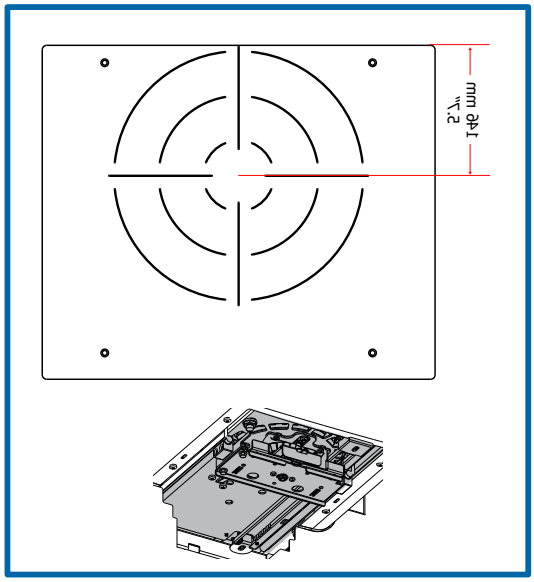
Hydraulic pedal operated roll conveyor - [LX] version only

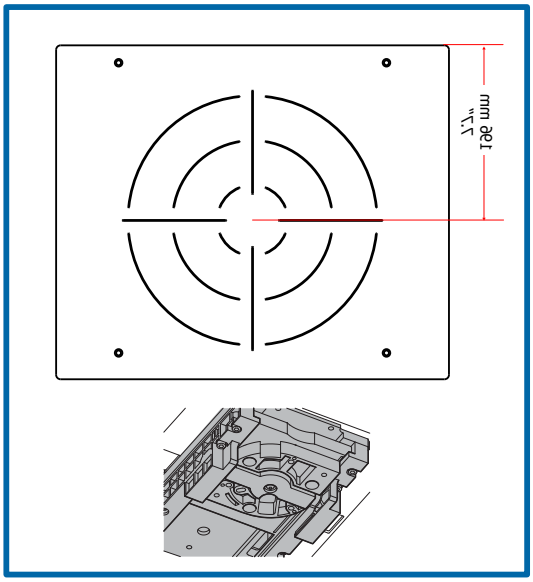
The mobile roll conveyor makes it possible to conveniently position the can under the dispensing head by hand, and to lift it using dedicated buttons on a pedal. It has a can centring template, which positions the cans on the nozzle center axis.



Can centering device

In standard configuration, the shelf is equipped with a sheet metal plate with centering rings, useful for positioning pre-punched cans right under the dispensing nozzle. A sheet metal plate with customized diameter centering rings can be requested as an option.

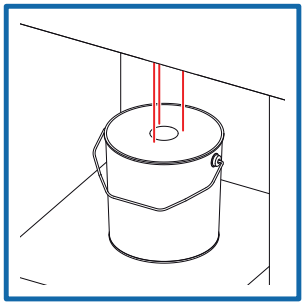




Bung Hole Locator (B.H.L.)

This is a system that emits laser beams that allow the positioning of pre-punched cans, so that the hole is in line with the center of the dispensing nozzles.

If the B.H.L. is present in combination with the automatic shelf, the machine is equipped with an **additional control button on the dispensing head right side, to switch on the laser beams before commanding the dispensing operation**, therefore before the shelf moves. This allows to position correctly the pre-punched cans.



AUTOCAP and AUTOPAD

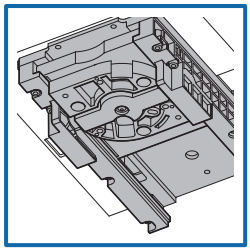
To prevent colorants from drying out in the nozzle center, the machine is equipped with a humidifier cap or a nozzle cleaning device.

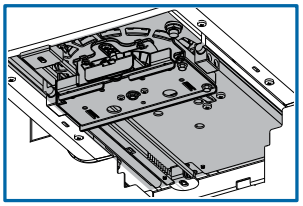
The ***Autocap (1)*** is an automatic cap which ensures that the nozzles are hermetically sealed. It is managed by the software, which opens it automatically before dispensing and closes it immediately afterwards. It contains a humidifying sponge.

The ***Autopad (2)*** is an automatic device to clean the nozzle center after dispensing. When dispensing is finished, when the can is removed and the can detection photocell is uncovered, the Autopad -- normally open during machine operation -- closes, and executes a cleaning cycle. Cleaning means that the Autopad wipes one or more times the nozzle ends, cleaning the nozzles with the pad contained in the Autopad, to remove any colorant left.

The Autopad can be configured to remain closed, thus keeping the nozzle covered the whole time, except during dispensing.

It is available only in combination with the INV system (Electrical Integrated Nozzle-Valves).

1 

2 

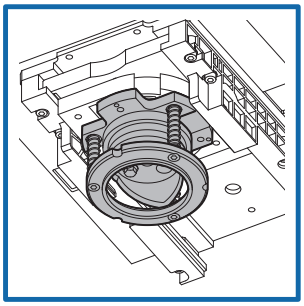
Puncher

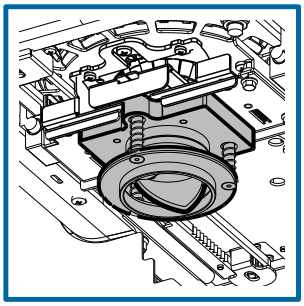
The puncher is a device that perforates the can lid.

With *semiautomatic puncher*, punching is carried out by the operator by pushing contemporaneously the semiautomatic shelf activation buttons (two-handed control).

The shelf upward movement pushes the can resting on it against the puncher, and with a downward movement brings it to the correct position for dispensing.

With the puncher, a manual plugger is also supplied, which allows you the insert a plastic plug in the hole made.



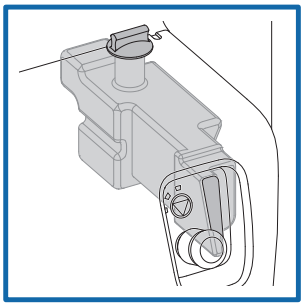


No-Dry-Nozzle Humidifier

The humidifier for water-based colorants guarantees the nozzles are constantly humidified. The air, humidified by the water contained in the bottle, is transferred to the nozzles area. Based on the humidity level detected, the system activates or shuts off whenever needed.

The humidifier for solvent-based colorants humidifies the nozzles when the cap is closed. The solvent, contained in a small tank inside the cap, keeps the nozzles area constantly saturated.

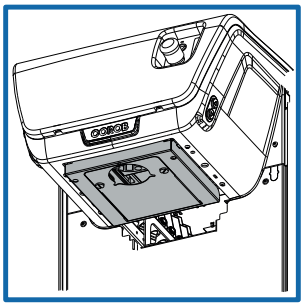
The two systems can be present individually or together according to the tinting system used on the machine.



Upper safety plate

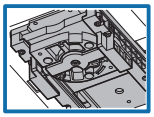
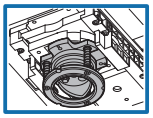
By releasing the two screws under the safety plate, it allows access to the internal area of the machine to clean the nozzle centre.

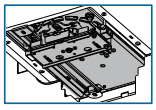
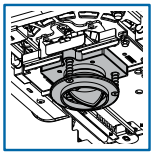
The safety plate is only available in combination with the automatic shelf.

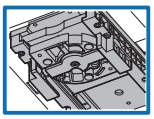
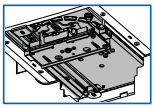


2.3 Usable cans

MAX kg LB	*35 kg* *77 lb*

Shelf	Semiautomatic	
Cap / Autopad Nozzle system	AUTOCAP 	AUTOCAP + PUNCHER 
MAX	500 mm [19.7”] *450 mm [17.7”]**	460 mm [17.7”]
MIN	80 mm [3”] *130 mm [5.1”]**	90 mm [3.5”]
MAX	415 mm [16.3”] *300 mm [11.8”]** 275 mm [10.8”] 390 mm [15.4”]	
MIN	70 mm [2.8”] *110 mm [4.3]**	110 mm [4.3”]

Shelf		
Cap / Autopad **Nozzle system**	**AUTOPAD** 	**AUTOPAD + PUNCHER** 
MAX	510 mm [20.1”] *450 mm [17.7”]**	435 mm [17.1”]
MIN	80 mm [3”] 60 mm [2.4”] *with special shelf for sample pot* 130 mm [5.1”]*	90 mm [3.5”]
MAX	415 mm [16.3”] *300 mm [11.8”]** 275 mm [10.8”] 290 mm [11.4”]	
MIN	70 mm [2.8”] *110 mm [4.3]**	110 mm [4.3”]

Shelf	Automatic	
Cap / Autopad Nozzle system	**AUTOCAP** 	**AUTOPAD** 
	485 mm [19.1”]	473 mm [18.6”]
	80 mm [3”] 60 mm [2.4”] *with special shelf for sample pot*	
	 415 mm [16.3”]  275 mm [10.8”]  AUTOCAP: 390 mm [15.4”] AUTOPAD: 290 mm [11.4”]	
	70 mm [2.8”]	

** With scale option for gravimetric dispensing.*

Due to the high fill level of 0.5 and 1-liter cans (1-Pint and 1-Quart cans), COROB advises not to perforate them.

2.4 Intended use and misuse

Intended use and reasonably foreseeable misuse

The machine is intended for professional use to dispense colorants in small, medium and large point of sales or professional paint stores.

The machine must be used only with cans within the limits set forth in chapter Usable cans, with the colorants specified in the table of chapter Technical data and according to the procedures described in this manual.

Any use of the machine other than that stated, which cannot be implied or deduced from this manual, is to be considered improper and unintended therefore it voids any manufacturer’s liability arising from non-compliance with these requirements.

2.5 Identifying information

The machine has an identification plate (chapter Position of labels) indicating:

1. Manufacturer’s name.
2. Marking.
3. Machine model.
4. Month and year of manufacture.
5. Serial number.
6. Electrical specifications.

ATTENTION

Do not remove or tamper with the identification plate in any way.

3 SAFETY

3.1 Safety warnings and unauthorized use

SAFETY INSTRUCTIONS

COMPULSORY

- **Read the user's manual carefully before carrying out any operation on the machine.**
- The machine must be used only for its intended purpose.
- Pay close attention to the signs on the machine.
- When prescribed, wear personal protective equipment.
- Only qualified and appropriately trained personnel (MAINTENANCE TECHNICIAN) are authorized to access the machine parts protected by panels for extraordinary maintenance and repair interventions.
- Any routine maintenance intervention performed by the operator must be carried out with the machine off and the power supply cable disconnected from the mains socket outlet.
- The machine must be used by a single operator. Unauthorized people who could reach or touch machine parts during operation must not be admitted in the nearby area.
- The workplace for the operator who must use the machine is located at the front.
- The machine must be used by an operator who has attained the age of majority and is in suitable psychophysical conditions defined by an occupational physician.
- The substances that may be used on the machine -- such as colorants, paints, solvents, lubricants and cleansers -- may be hazardous to your health; handle, store and dispose of these substances in keeping with current regulations and the instructions provided with the product.

SAFETY INSTRUCTIONS

PROHIBITED

- The machine must not be used with cans exceeding the limits set forth in chapter Usable cans and with colorants other than those specified in the technical data table.
- **THE MACHINE IS NOT EXPLOSION PROOF. DO NOT USE IT IN CLASSIFIED ZONES (ENVIRONMENTS AT RISK OF EXPLOSION).**
- **Do not pour highly flammable liquids in the machine. In case of use of colorants containing volatile solvents, follow specific indications of chapter** Requirements of the installation site**.**
- Do not smoke near the machine.
- Avoid naked flames or material that may create sparks and cause a fire.
- The machine must not be employed for food use.
- The OPERATOR must not carry out operations reserved to the MAINTENANCE TECHNICIAN or the INSTALLATION TECHNICIAN. The manufacturer CANNOT BE HELD RESPONSIBLE for damages deriving from the non-observance of this prohibition.
- It is strictly forbidden to use the machine without protections or with any safety devices present on the machine disabled, broken down, or removed. The panels must be kept closed at all times.
- Do not stare the light source of the Laser Bung Hole Locator (Class II laser product).
- If the machine catches fire, never use water. Use only dry powder or carbon dioxide fire extinguishers, and strictly follow the instructions and warnings indicated by the manufacturer and listed on the extinguisher.

SAFETY INSTRUCTIONS

ELECTRICAL HAZARD

- The user must connect the machine to a TN or TT power supply system, equipped with an RCD (Residual Current Devices) protection device that automatically intervenes in the event of a fault.
- **ALWAYS PLUG THE MACHINE INTO A SOCKET THAT ENSURES PROPER GROUNDING.** The line must be protected from overloads, short-circuits and direct contacts according to current accident prevention regulations. Incorrect grounding may lead to the risk of electrical shock.
- The machine must not be powered by a power source having specifications other than those listed on the identification plate.
- When the power returns after a blackout, the machine restarts automatically so that it can execute the automatic processes to prevent the products from drying.
- To prevent any risk of electrical shock or injuries, use the machine indoors only. It is prohibited to use the machine outdoors where it could be subjected to rain or high humidity.
- Always unplug the power supply cable from the socket outlet before carrying out any maintenance operations.
- The machine is isolated from the power supply line when the power cable is disconnected; it must therefore be installed near an easily accessible mains socket outlet.
- Do not use extension cords to power the machine.
- Do not use multisockets to connect other equipment to the same socket that powers the machine. Make sure that the power supply of the equipment connected to the machine via serial port, like the computer, is equipotential (which has a single access point to earth) because potential differences cause interferences and/or damage to the serial ports.
- Periodically check the condition of the power supply cable; if it is damaged, replace it with a new cable supplied by the manufacturer.

3.2 Warnings on the use of products

HAZARD

The machine is suitable for use with tinting products in general. Scrupulously follow the instructions for use given on the colorant can and carefully read the **MATERIAL SAFETY DATA SHEETS (MSDS)** that the dealer or manufacturer of the product is required to provide.

Observe all of the safety instructions provided. When compulsory, wear the specified personal protective equipment.

Below are some of the most common warnings and safety precautions provided by tinting products manufacturers.

1. Harmful if swallowed.
2. Avoid eye and skin contact. In case of eye and skin contact, rinse with plenty of water.
3. Keep out of the reach of children.
4. When compulsory, wear the specified personal protective equipment.
5. In case of accidental product leaks or spills, thoroughly ventilate the area and proceed as indicated in this manual and in the instructions provided with the product itself.
6. Do not dispose of colorant in the sewage system. Follow local regulations when disposing of waste.

3.3 Residual risk

Risk
 **Risk of electrocution** - Risk of electrical shock if you power the machine from a socket not equipped with ground connection.
Preventive measure & P.P.E.
Power the machine through a grounded socket outlet.
Re. in the manual
ch.Starting up
Risk
 **Risk of electrocution** - Risk of electrical shock if you access machine parts protected by panels without first cutting off electrical power.
Preventive measure & P.P.E.
The operator is not authorised to access the machine parts protected by panels. For the maintenance technician: before performing any maintenance intervention, shut off the machine and disconnect the power supply cable from the mains socket outlet.
Risk
 **Dorsal/lumbar injuries** - Handling heavy loads when moving the machine and loading cans on the shelf may cause injuries.
Preventive measure & P.P.E.
Do not exceed the weight limits stated by the current regulations in force. If necessary, use appropriate lifting equipment.  ***MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)***
Re. in the manual
ch. Shipping and handling - Using the dispenser
Risk
 **Risk of falling objects / crushing** - When positioning a can on the shelf, there is a risk it may fall onto the operator.
Preventive measure & P.P.E.
Position the can so that the whole base rests on the shelf surface. 
Re. in the manual
ch. Using the dispenser
Risk
 **Risk of crushing / entanglement** - The automatic movement of the humidifier cap, Autopad and of the shelf may cause injuries.
Preventive measure & P.P.E.
The machine must be used by a single operator. Keep hands away from the dispensing area at all times while the machine is operating.  ***MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)***
Re. in the manual
ch. Using the dispenser

Risk
 **Risk of crushing / entanglement** - During colorant refilling operations, the stirrer inside the canister may automatically start rotating.
Preventive measure & P.P.E.
Before performing any intervention, press the off-line button.  ***MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)***
Re. in the manual
ch. Refilling the canisters

Risk
 **Risk of cuts** - During the punching operations or maintenance operations on the punching device, the contact with the puncher blade may cause injuries.
Preventive measure & P.P.E.
The machine must be used by a single operator. Keep hands away from the dispensing area at all times while the machine is operating. Use the special tool to remove the puncher.  ***MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)***
Re. in the manual
ch. Using the dispenser - Routine maintenance

Risk
 **Risk of slipping / falling** - Misuse of the shelf may cause injuries.
Preventive measure & P.P.E.
Do not climb onto the shelf and/or sit on it. Do not use the shelf as a ladder.  ***MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)***
Re. in the manual
ch. Using the dispenser

Risk
 **Risk of explosion**
Preventive measure & P.P.E.
Do not use the machine in classified areas (areas at risk for explosion). Avoid naked flames or material that may create sparks and cause a fire. Respect the conditions for the intended use of the machine and the recommendations indicated in chapter Intended use and misuse Respect the environment working conditions indicated in chapter Requirements of the installation site.
Re. in the manual
ch. Intended use and misuse ch. Requirements of the installation site

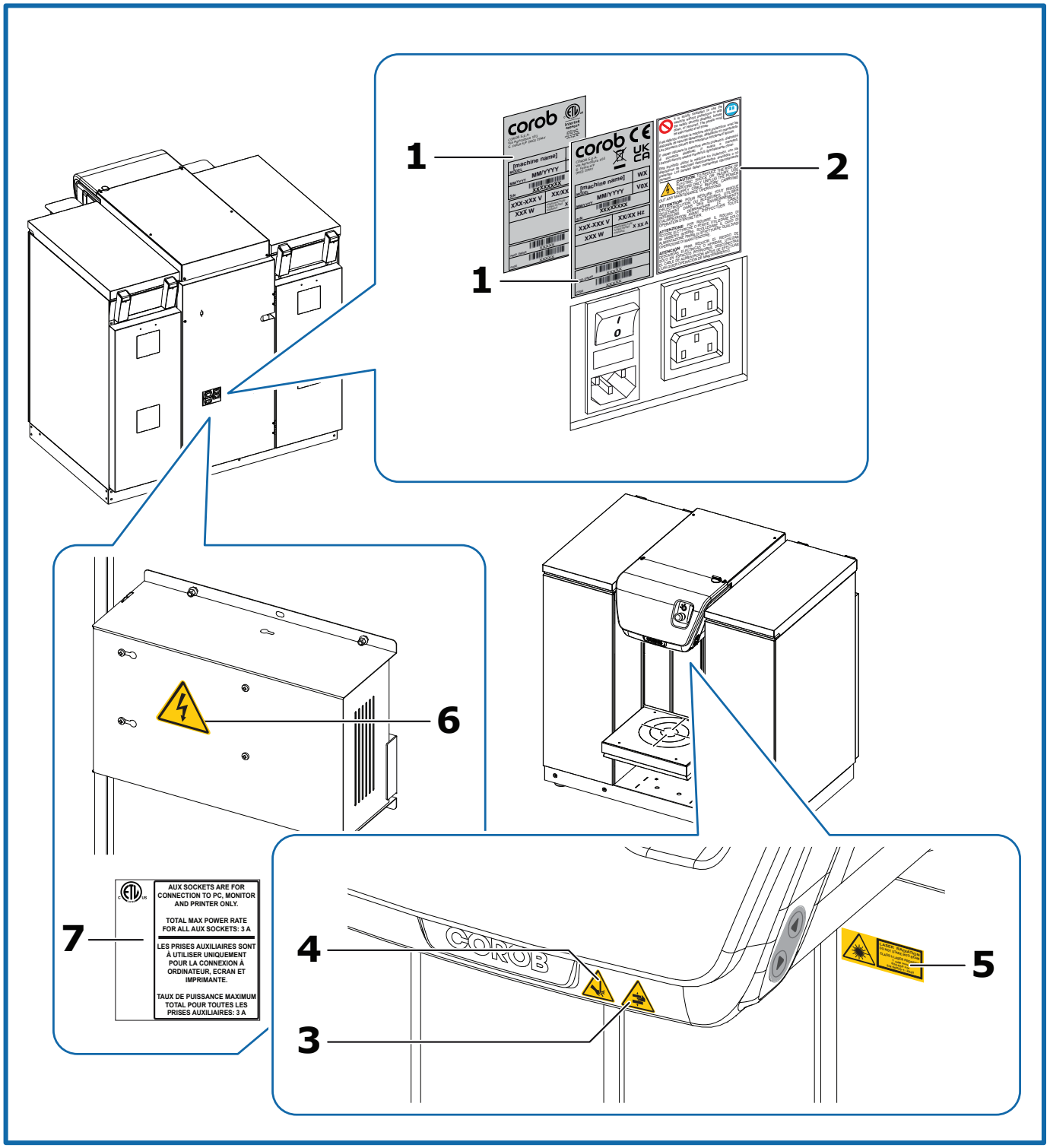
Risk
 **Risk of exposure to laser beam** - The Bung Hole Locator (B.H.L.) uses red laser light sources which can be potentially dangerous for the eyes.
Preventive measure & P.P.E.
Avoid staring at the light source.
Re. in the manual
ch. Using the dispenser
Risk
 **Risk of poisoning and sensitization** - Fumes generated by the colorants used may cause poisoning and/or sensitization during canister refilling operations, machine cleaning and disposal.
Preventive measure & P.P.E.
Read the warnings in the Material Safety Data Sheets of the colorants used. The MSDS must be provided by the colorant manufacturer. Keep the room suitably ventilated. Personal Protective Equipment as specified in MSDS.
Re. in the manual
ch. Warnings on the use of products - Shipping and handling - Using the dispenser - Routine maintenance

3.4 Position of labels

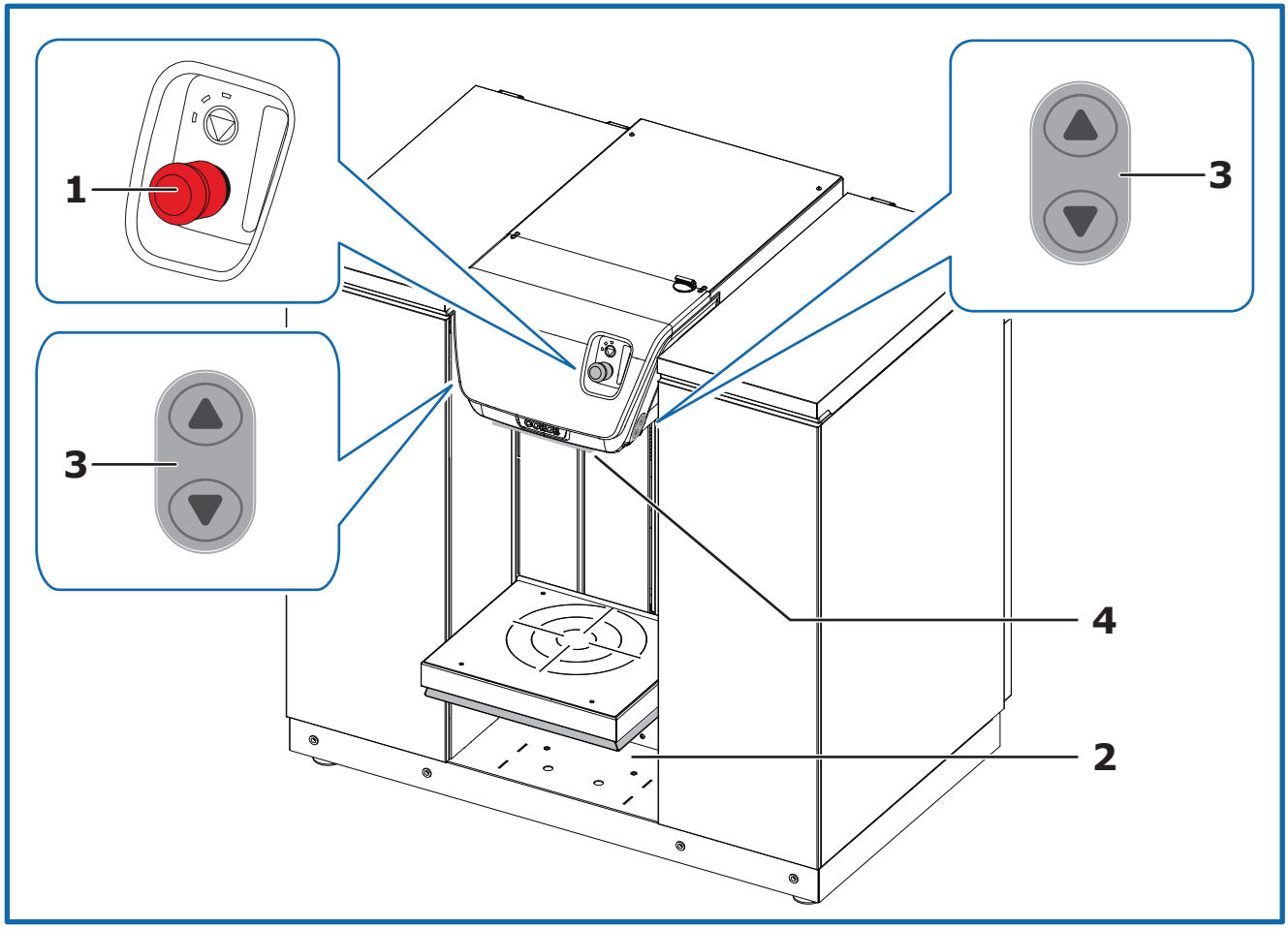
1. Identification plate (chapter Identifying information)
2. Label “General warnings”
3. Label “Risk of crushing”
4. Label “Risk of cuts”
5. Label “Laser danger”
6. Label “Electrical danger”
7. Label “Aux sockets max rate” (only ETL version)

ATTENTION

Do not remove or make illegible the safety or instruction labels. Replace any label which has become illegible or is missing, by requesting it to the manufacturer.



3.5 Safety devices



The machine is equipped with the following safety devices:

with shelf:	semiauto	auto
Emergency button	•	•
Shelf lower safety plate	•	•
Buttons to enable and move the shelf	•	
Shelf upper safety plate		•

HAZARD

In the event of a breakdown of the safety devices, it is forbidden to use components not provided by the manufacturer. If necessary, contact the manufacturer's authorized technical service only.

3.6 Emergency stop

In case of a breakdown or dangerous conditions, press the emergency stop button (chapter Safety devices). Pressing the button stops all hazardous machine movements and disconnects all power circuits. The red lamp on the control panel turns on (chapter Buttons and lamps).

HAZARD

The emergency button does not completely cut off power to the entire machine. The power supply box inside the machine remains powered.

To isolate the machine completely, it is necessary to switch if off and unplug the power cable from the socket.

ATTENTION

The emergency button does not turn the computer off, since it requires special shut-down procedures (the auxiliary sockets remain powered).

After eliminating the cause of the malfunction or solved the dangerous condition, reset the button by pulling it.

WARNING

DO NOT ROTATE THE BUTTON: SIMPLY PULL IT.

WARNING

The use of the emergency stop button is to be considered as an emergency action exclusively, and not as a standard stop mode, in order to prevent machine deterioration.

3.6.1 Checking the safety devices

At least twice a year, you have to check the efficiency of the safety devices of the machine and the correct operation of the control and signaling devices (chapter Starting up).

In the event of unexpected results or malfunctions, contact the manufacturer's technical service immediately.

Device and action	Expected outcome
Emergency button With the machine on, and with colorant stirring process in progress, press the emergency stop button.	All mobile parts of the machine must stop.
Shelf lower safety plate With the machine on, move the shelf down and place an object (e.g. a paint can) between the shelf lower safety plate and the floor.	As soon as the safety plate is touched, the shelf movement must stop.
Buttons to enable and move the electrical shelf / to command punching. With the machine on, press and hold down the two ▲ buttons at the same time to raise the shelf, and then the two ▼ buttons to lower the shelf.	The shelf must only move if both buttons are activated at the same time. By releasing one of the two buttons, the movement must stop. ▲ : the shelf lifts up to the reading area of the photocell or to the fully up position. ▼ : the shelf lowers down to the lowest position.
Shelf upper safety plate. With the machine on, move the shelf up and place an object between the safety plate under the dispensing head and the lid of the paint can.	As soon as the safety plate is touched, the shelf movement must stop.

3.7 Emergency situations

In case of emergency situations, such as accidents, breakdowns or malfunctions:

1. Turn off the machine and unplug the power cable from the power outlet (chapter Shut-down).
2. Contact the manufacturer's authorized technical service.

HAZARD

Following emergency situations, the operator is prohibited from carrying out repairs to the machine. If necessary, contact the manufacturer's authorized technical service only.

3.8 Requirements of the installation site

Environment requirements for the site where the machine is to be used:

- Clean and dust-free.
- With level and stable floor.
- Fitted with a dedicated grounded power supply socket.
- Equipped with sufficient lighting to ensure good visibility from every point of the machine (light value not lower than 500 Lux).
- Ventilated to prevent the concentration of harmful fumes: for example, for a 3 m high, 4x4 m room (total volume of 48 m^3) an air change rate [ac/h] of 3 required.
- Temperature between 10 °C (50 °F) and 40 °C (104 °F) and relative humidity between 5% and 85%, without condensation.

WARNING

The environment working conditions are strictly related to the type of products used (ask for information from the paint manufacturer). The requirements indicated above are valid for the machine only.

Do not place the machine near heat sources or in direct sunlight. Also humidity sources should be avoided. The machine must be used indoors only.

Environment conditions outside the values indicated (chapter Technical data) may cause serious damage to the machine, especially the electronic equipment.

HAZARD

When using **products containing volatile solvents**, the room in which the machine is installed must be spacious and with good ventilation: for example, for a 3 m high, 4x4 m room (total volume of 48 m^3) an air change rate [ac/h] of 3 required. No type of parts must be leant against or stocked close to the machine.

Avoid naked flames or material that may create sparks and cause a fire.

Do not smoke near the machine.

4 SHIPPING AND HANDLING

4.1 General warnings

Personnel in charge of these operations must wear the following personal protective equipment.

MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

HAZARD

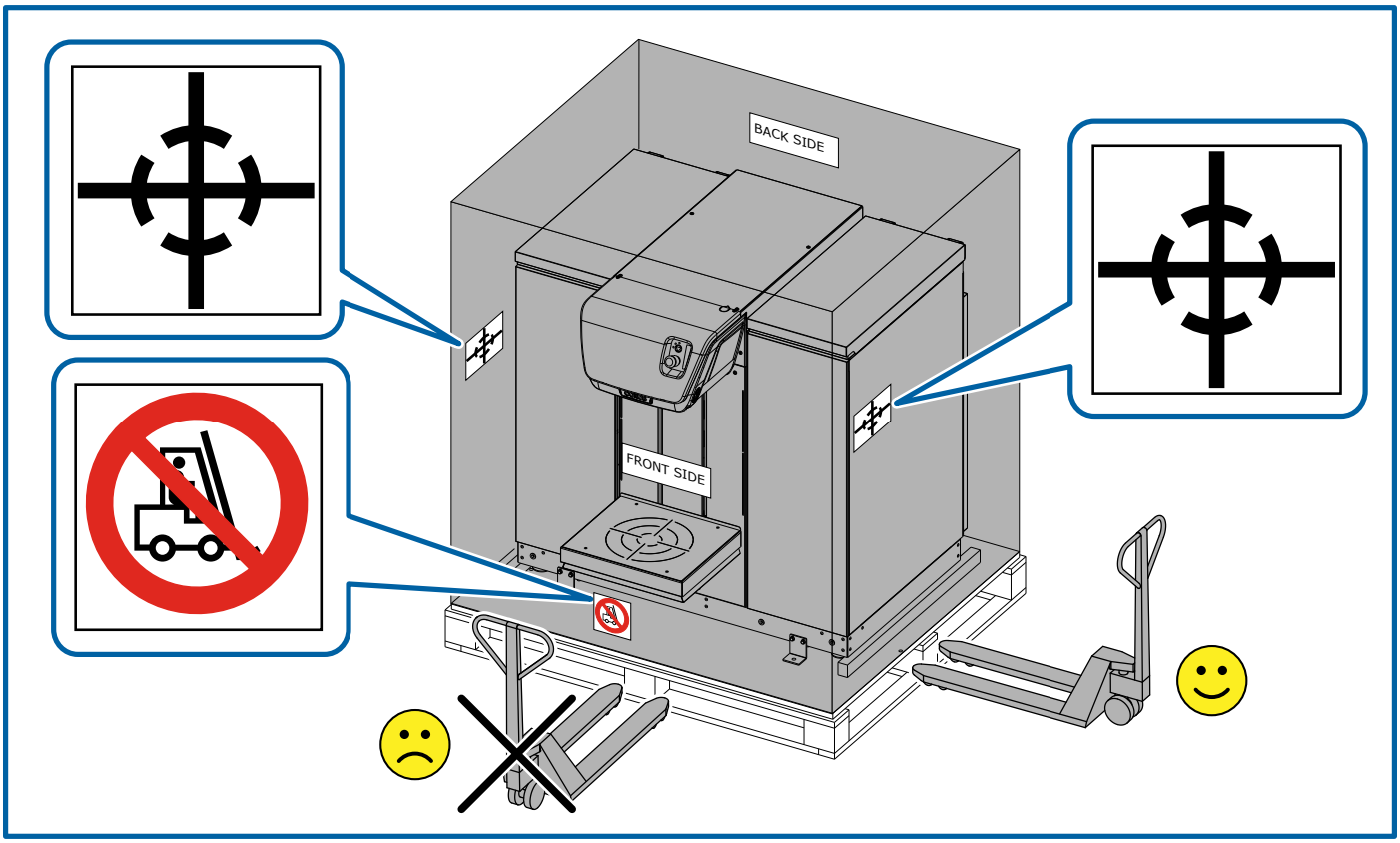
To avoid personal injuries and property damage, use the utmost care and caution when handling the machine, and carefully follow the instructions given in this chapter.

WARNING

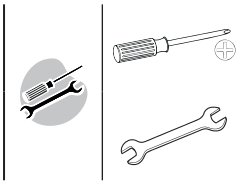
The packing must be handled only by qualified personnel using appropriate handling equipment. Do not stack items on the packing.

ATTENTION

If the machine is installed near a wall, keep it at least 10 cm (4”) away to prevent the cables from being crushed.



4.2 Unpacking and placement



2 x 10 mm [0.31”] To remove the fixing brackets

1 x 13 mm [0.51”] To remove the fixing brackets

1 x 18 mm [0.71”] To adjust machine feet

1 x 19 mm [0.71”] To adjust machine feet

HAZARD

The following procedure must be carried out by at least 2 people.

Store the packing material for future use, or dispose of it according to current regulations. In any case, we recommend that you keep it for the entire duration of the machine warranty.

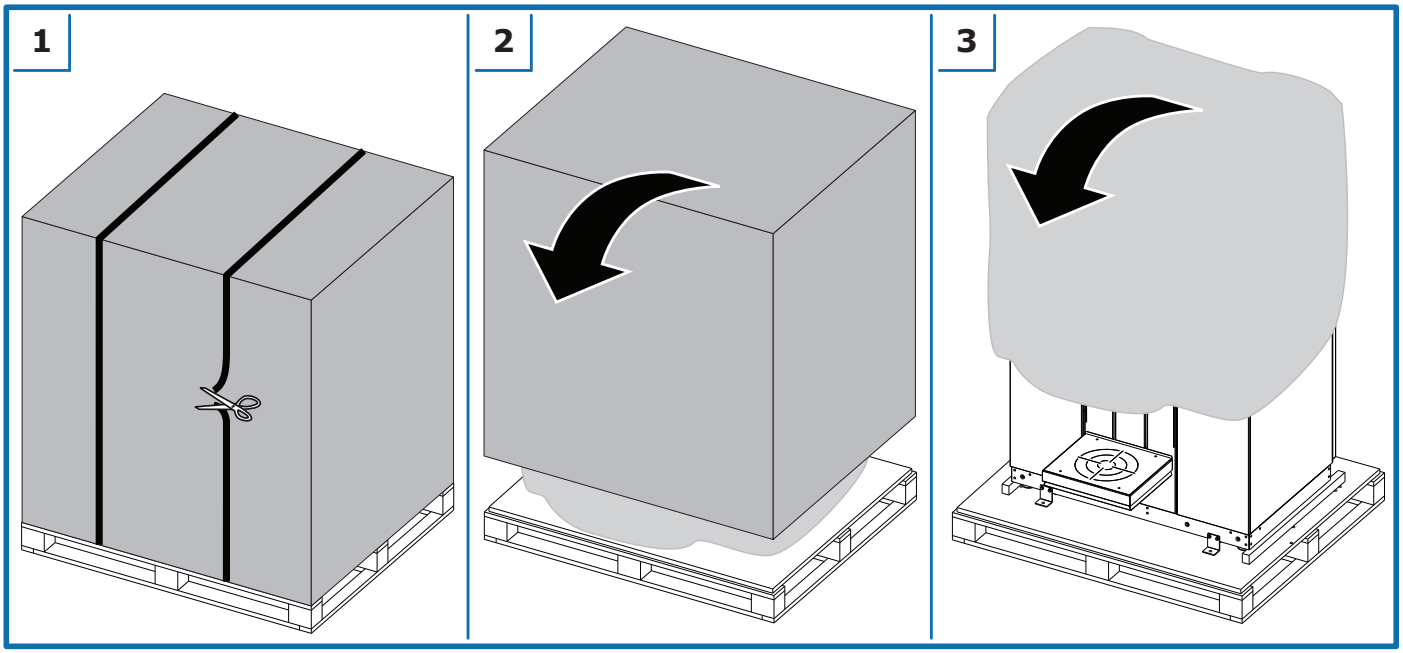
Make sure the packing has not suffered any damage or tampering during shipping; if so, contact the authorized technical service or your dealer.

1. Cut the plastic straps.
2. Remove cardboard box.
3. Remove machine wrapping. Take out any accessories and/or material supplied with the machine.

HAZARD

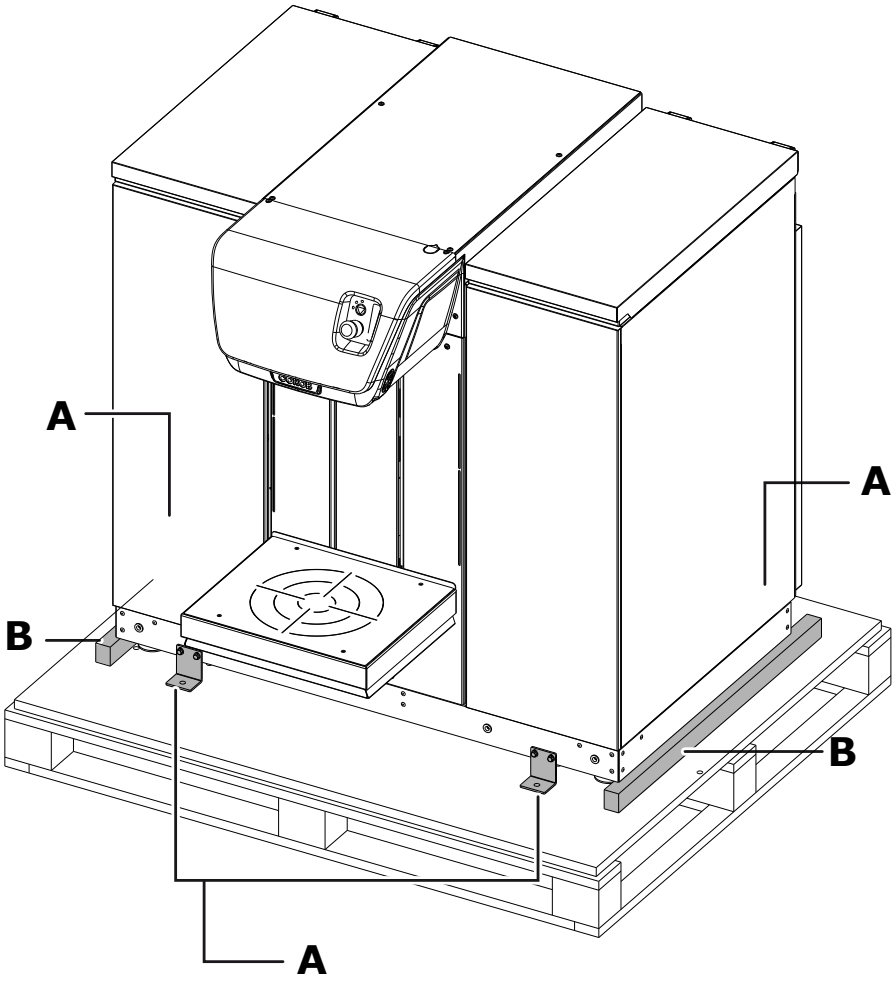
Should the machine appear damaged during shipping, do not attempt to start it and contact the authorized technical service or dealer.

To move the machine without external cardboard, but still fixed to the pallet, use suitable lifting equipment. Fork the pallet in such a way as to distribute the weight equally on the forks and thus prevent the machine from tipping over.

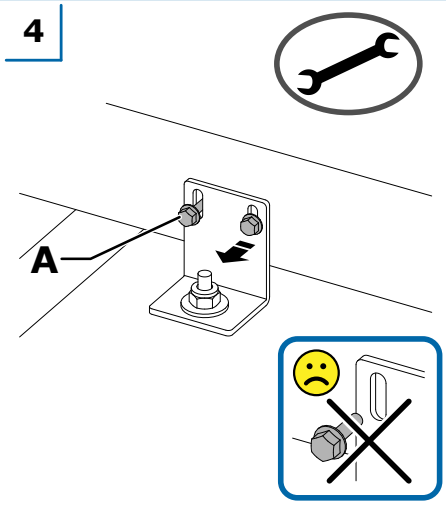


4. Loosen the screws holding the brackets **A** to the machine.
5. Slightly tilt the machine, until the wooden beams **B** can be removed by a second person.
6. Completely unscrew and remove all screws and nuts fastening each bracket to the pallet.
7. Lower the platforms.
8. Grasp the machine on the sides (this must be done by at least two people) slide it slowly along the platforms to the ground.
9. Lower the feet to support and level the machine properly, and make sure that the wheels are not resting.

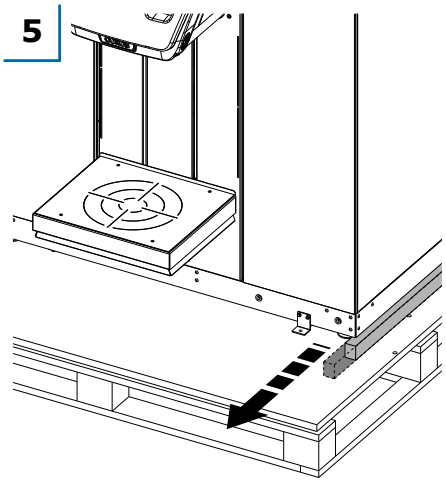
To repack the machine, follow the unpacking instructions in reverse order. We recommend reusing the original packing any time the machine must be moved or shipped.



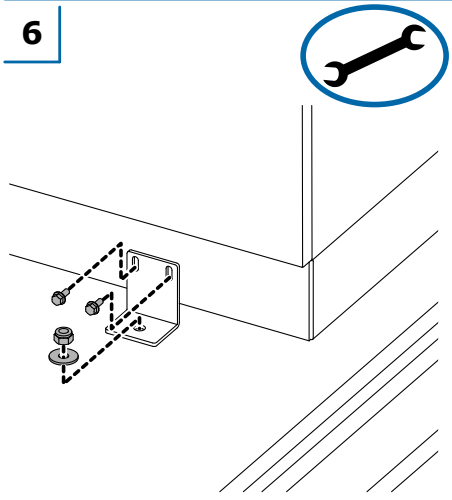
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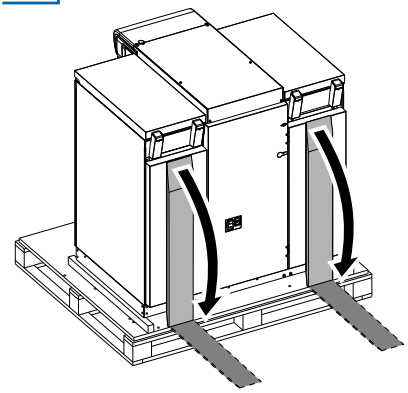
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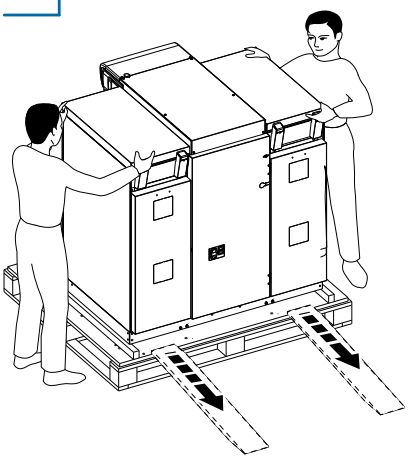
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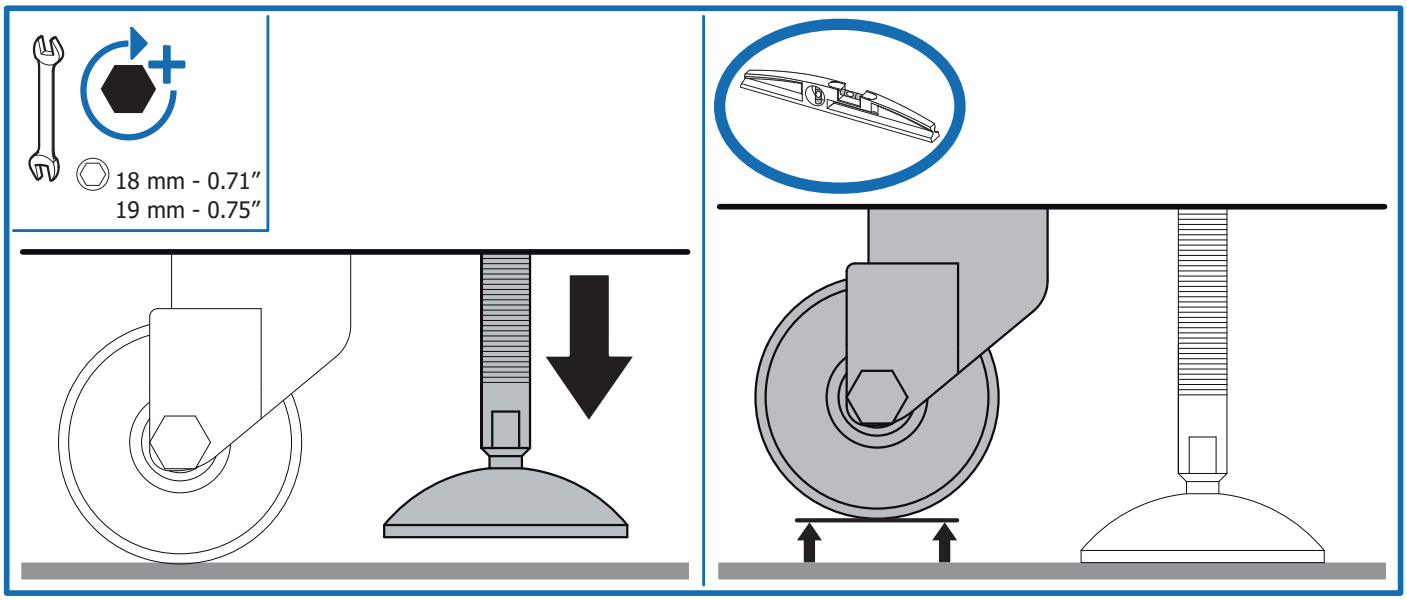


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8





4.2.1 Standard material supplied

After unpacking the machine, make sure the following items are present:

1. Power supply cable.
2. Computer power cables.
3. USB cable.
4. Panel key.
5. User's manual and product documentation.
6. Spare parts.

With puncher only:

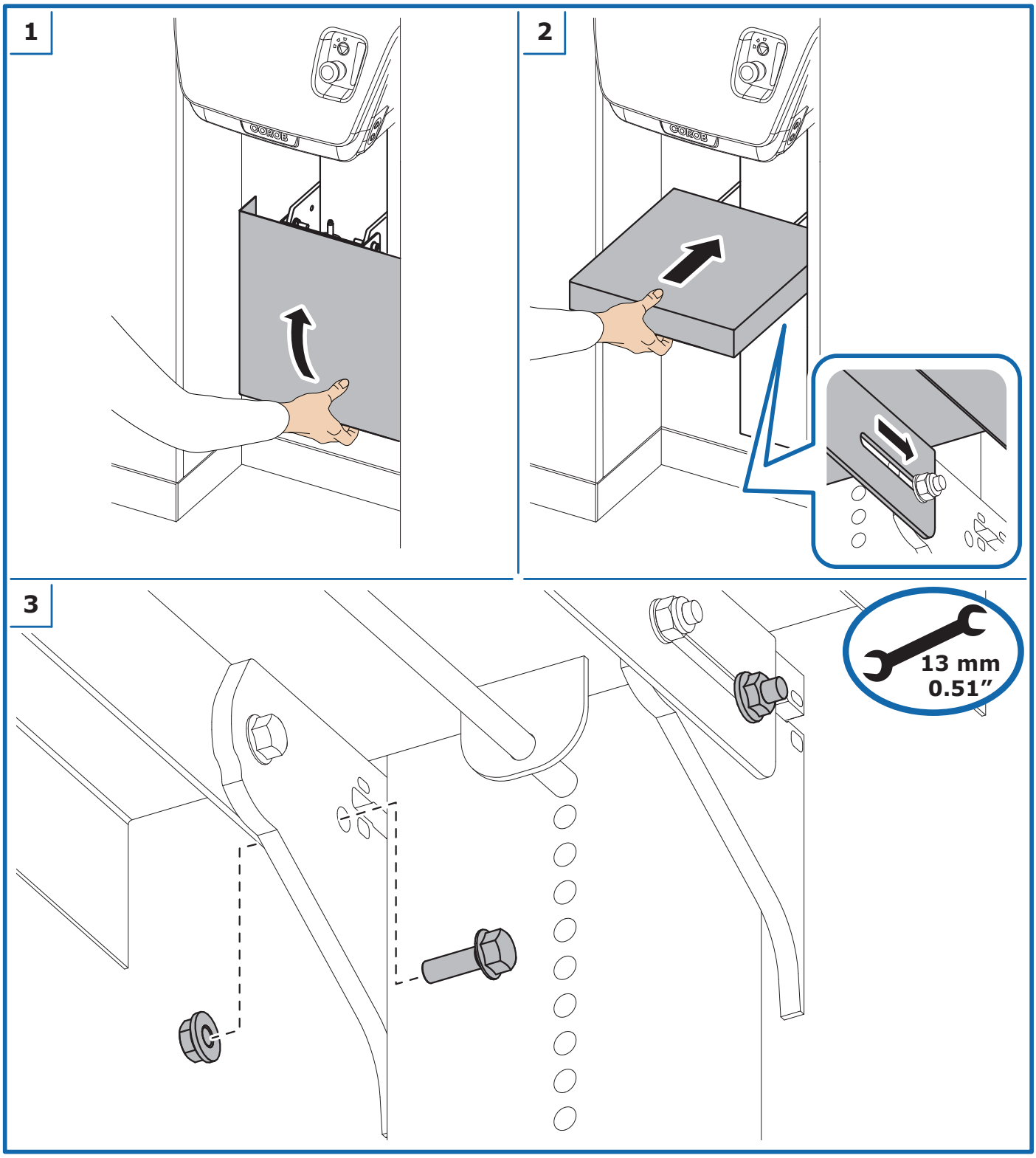
7. T-wrench.
8. Tool for punch removal.
9. Manual plugger.

Depending on the options specified on the purchase order, you may also find:

- Management software.
- Any accessories to be installed on the machine.

Make sure that all of the above items are included in the packing; if not, contact the manufacturer.

4.3 Preparing the shelf for use



4.4 Unpacking and installing the roll conveyor (optional)

WARNING

Installation must be carried out only by qualified personnel.



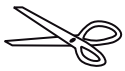


8 mm [0.31”] Roll conveyor fastening screws

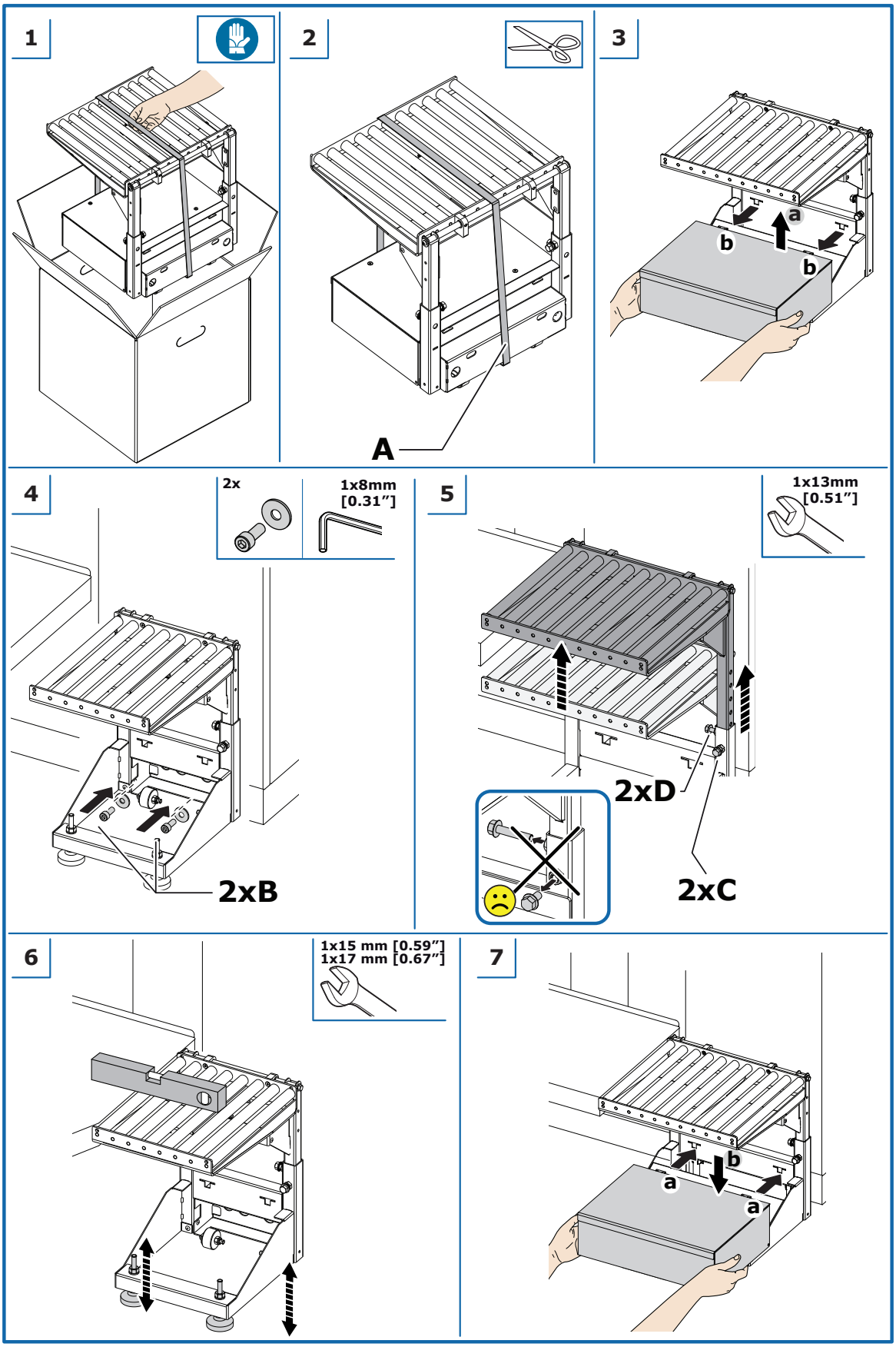


15-17 mm [0.59” - 0.67”] Roll conveyor feet adjustment

13 mm [0.51”] Roll conveyor height adjustment



Fastening cable tie


1
2
3
A
a
b
b
4
2x
1x8mm
[0.31”]
2xB
5
1x13mm
[0.51”]
2xD
2xC
6
1x15 mm [0.59”]
1x17 mm [0.67”]
7
a
b
a

4.4.1 Unpacking

1. Remove the roll conveyor from the carton using the fastening cable tie.
2. Cut the fastening tie **A** and remove the packing material.

HAZARD

Hold the roller/steel plate with your hand while removing the bracket then let it go gently.

Repeat above operations for every roll conveyor module.

4.4.2 Assembly

Once you have removed the machine from the pallet, positioned and levelled on the floor, mount the roll conveyors on the machine as follows. Place the roll conveyor on the floor, in front of the machine canister module.

3. Take out the conveyor step (no screws, quick hooking into slots).
4. From the bag of hardware supplied, mount the screws with washer **B** to fasten the roll conveyor frame to the machine frame, through the holes provided.

4.4.3 Adjustment

The roll conveyor can be adjusted to several different heights, based on the size of the pails to be handled.

5. Choose the desired working height by adjusting screws **C** and **D**. If necessary, adjust the can shelf lowest position sensor in such a way that the shelf stops in line with the roll conveyor.
6. Fine-tune the alignment between shelf and roll conveyor by adjusting the conveyor levelling feet.
7. Re-assemble the conveyor step (quick hooking into slots).

4.4.4 Storage

If stored, the machine must be kept in a safe and protected environment, with a suitable temperature and humidity degree and protected from dust.

4.4.5 Disposal and recycling

This equipment must not be disposed of with unsorted municipal waste. Carry out a separate collection.

Pursuant to the WEEE Directive, collection, treatment, recovery and environmentally sound disposal of Waste Electrical and Electronic Equipment (WEEE) shall be carried out in compliance with the national measures of each EU-Member State implementing the Directive.

Differentiate the parts making up the machine based on the various materials they are made of (plastic, iron, etc.).

For the colorants remaining in the canisters, for the machine components most soiled with product and if any products have been used on the machine that require special disposal procedures, follow local regulations when disposing of waste.



5 STARTING UP

5.1 General warnings

Personnel in charge of these operations must wear the following personal protective equipment:

 MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

HAZARD

The user must connect the machine to a TN or TT power supply system, equipped with an RCD (Residual Current Devices) protection device that automatically intervenes in the event of a fault.

THIS EQUIPMENT MUST BE GROUNDED. Check the grounding of the power supply system before connecting the machine.

Do not use extension cords to power the machine.

The computer and any other devices connected to the machine via a serial line or connected to the computer itself must be powered by an equipotential power supply network or, if present, by the auxiliary sockets (optional).

Do not connect devices other than computer, label printer or calibration scale to the auxiliary sockets.

Maximum power absorption allowed on the auxiliary sockets (optional):

- 3 A for machine powered at 110V or for ETL-certified machine powered at 230 V
- 6 A for machine powered at 230 V (excluded ETL-certified machine, see above)

Do not use multisockets to connect other equipment to the same socket that powers the machine.

WARNING

Do not attempt to power the machine from a source having specifications other than those listed on the identification plate.

The machine is isolated from the power supply line when the power plug is disconnected; it must therefore be installed near an easily accessible mains socket outlet.

The power supply of the equipment connected to the machine via serial port, like the computer, must be equipotential (which has a single access point to earth) because potential differences cause interferences and/or damage to the serial ports.

5.2 Grounding instructions (ETL version only)

The conductors of the power cable which is supplied are color-coded as follows:

- GREEN/YELLOW = GROUND
- WHITE = NEUTRAL
- BLACK = LINE

HAZARD

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Improper use of the grounding plug can result in a risk of electrical shock. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

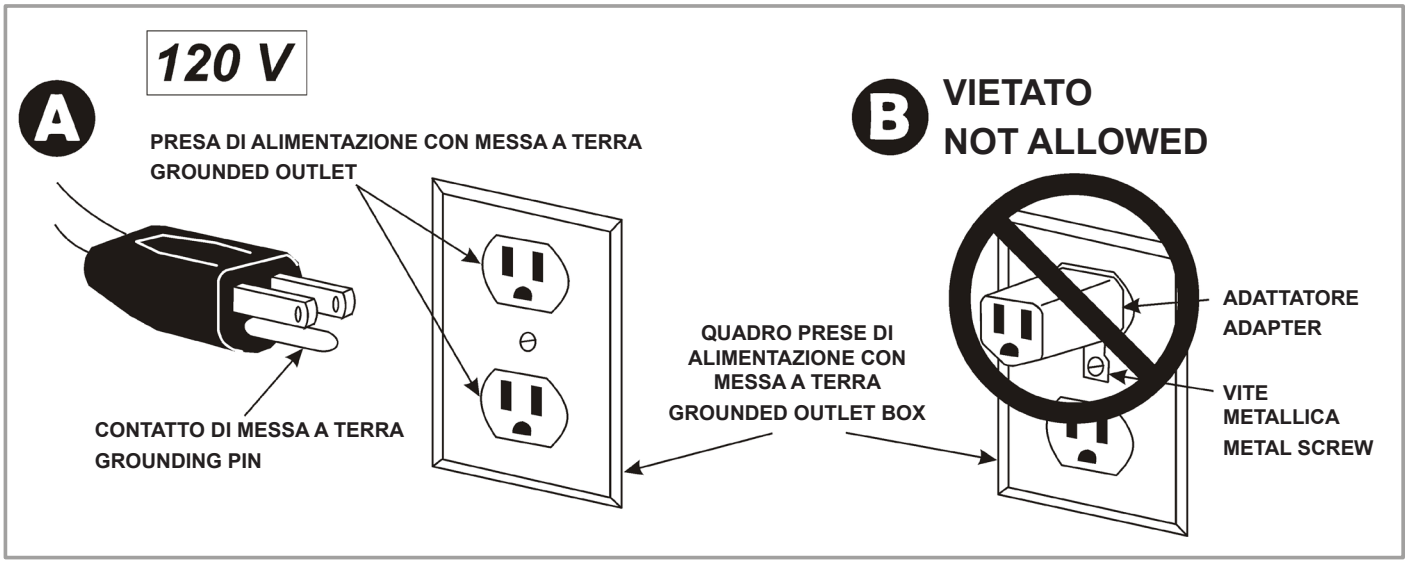
Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. DO NOT modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Voltage supply up to 120 V

This product is for use on a nominal 120-V circuit and has a grounding plug similar to the plug illustrated.

A temporary adapter similar to the adapter illustrated (B) may be used to connect this plug to a 2-pole receptacle when a properly grounded outlet is not available. The temporary adapter shall be used only until a properly grounded outlet (A) is installed by a qualified electrician.

The green colored rigid ear, lug, or similar part extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.



Voltage supply higher than 120 V

This product is for use on a circuit having a nominal rating more than 120 V and is factory-equipped with a specific electric cord and plug for connection to a proper electric circuit.

Only connect the product to an outlet having the same configuration as the plug. Do not use an adapter with this product.

When the product must be reconnected for use on a different type of electric circuit, the reconnection shall be made by qualified service personnel.

Extension cords

WARNING
Manufacturer strongly recommends NOT using an extension cord with this equipment.

Use only a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the product. Make sure your extension cord is in good condition.

When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. For lengths less than 25 feet, no. 18 AWG extension cords should be used.

An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

Note: The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Amperaggio	Volt	Lunghezza cavo in piedi (ft.)								
	120 V	25 ft.	50	100	150	200	250	300	400	500
	240 V	50 ft.	100	200	300	400	500	600	800	1000
0 - 2		18	18	18	16	16	14	14	12	12
2 - 3		18	18	16	14	14	12	12	10	10
3 - 4		18	18	16	14	12	12	10	10	8
4 - 5		18	18	14	12	12	10	10	8	8
5 - 6		18	16	14	12	10	10	8	8	6
6 - 8		18	16	12	10	10	8	6	6	6
8 - 10		18	14	12	10	8	8	6	6	4
10 - 12		16	14	10	8	8	6	6	4	4
12 - 14		16	12	10	8	6	6	6	4	2
14 - 16		16	12	10	8	6	6	4	4	2
16 - 18		14	12	8	8	6	4	4	2	2
18 - 20		14	12	8	6	6	4	4	2	2

5.3 Management computer

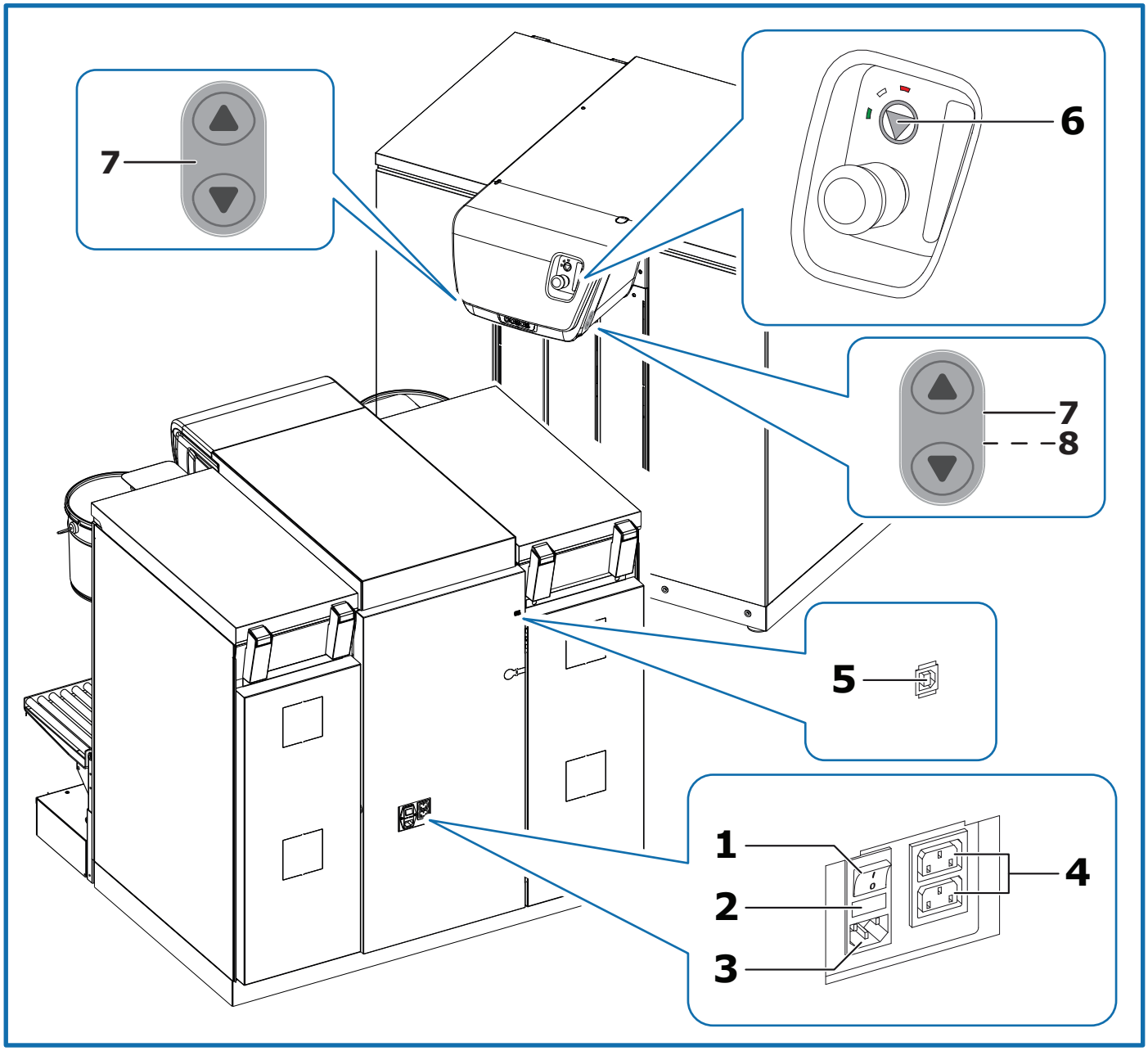
The dispenser is managed by the computer. The manufacturer provides a wide range of software applications for managing all of the machine functions.

If the machine is supplied with the option **COROB Connect**, it will be possible to drive it through the use of an Android or Windows device, with its corresponding dispensing software.

Only a specialist maintenance technician may install the machine, including connecting the computer, installing the management software and configuring the system.

5.4 Control devices and connections

1. **Machine main switch**
2. **Fuse compartment** - The value of fuses is shown in the technical specifications table (chapter Technical data).
3. **Main plug**
4. **Auxiliary sockets** (optional) - Power supply to the computer and other equipment (calibration scale or label printer)
5. **USB serial port** - For the connection to the management computer.
6. **Control panel** - With the off-line button and the signal lamps.
7. **Buttons enable and to move the shelf** (two-handed control).
8. **Laser B.H.L. switch-on button** (only with BHL + automatic shelf). - To switch on the laser beams.



5.5 Buttons and lamps



<table>
<tr><th>Button/Lamp</th><th>Description</th></tr>
<tr><td>
Off-line button</td><td>To interrupt machine functions, without shutting it off. It also enables to open and close the automatic cap to allow cleaning the nozzle center (chapter Routine maintenance).</td></tr>
<tr><td>WHITE lamp</td><td>Indicates machine condition:
<table>
<tr><th>Lamp</th></tr>
<tr><td>OFF</td></tr>
<tr><th>Condition</th></tr>
<tr><td>Off</td></tr>
<tr><th>Meaning</th></tr>
<tr><td>The machine is OFF.</td></tr>
<tr><td></td></tr>
<tr><th>Lamp</th></tr>
<tr><td>ON</td></tr>
<tr><th>Condition</th></tr>
<tr><td>On-line</td></tr>
<tr><th>Meaning</th></tr>
<tr><td>The machine is ON and ready to receive commands.</td></tr>
<tr><td></td></tr>
<tr><th>Lamp</th></tr>
<tr><td>Blinking slow</td></tr>
<tr><th>Condition</th></tr>
<tr><td>Off-line 1</td></tr>
<tr><th>Meaning</th></tr>
<tr><td>Machine functions are interrupted and the commands are refused.</td></tr>
<tr><td></td></tr>
<tr><th>Lamp</th></tr>
<tr><td>Blinking fast</td></tr>
<tr><th>Condition</th></tr>
<tr><td>Off-line 2</td></tr>
<tr><th>Meaning</th></tr>
<tr><td>The cap is open, machine functions are interrupted and the commands coming are refused.</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>GREEN lamp</td><td>Indicates a particular machine condition, which the operator should pay special attention to, or that requires the operator’s intervention.

Lamp
OFF
Meaning
The machine is ready for use.

Lamp
ON
Meaning
The can is positioned and it is possible to proceed with dispensing.

Lamp
Blinking
Meaning
The humidifier cap is open.

With puncher
Lamp
ON
Meaning
The machine is ready for punching.</td></tr>
<tr><td>RED lamp</td><td>Indicates and error condition or an emergency stop condition.

Lamp
OFF
Meaning
The machine is ready for use.

Lamp
ON
Meaning
The emergency button has been pressed.

Lamp
Blinking
Meaning
Errors have been detected.</td></tr>
<tr><td>
Buttons to move the shelf</td><td>The buttons are present on both sides of the dispensing head. By pressing the two buttons ▲ or ▼ at the same time you get to move the shelf up or down. The shelf stops immediately as soon as even only one button is released. Otherwise, the shelf stops automatically when the can resting on it is detected by the photocell, or while descending, when it reaches the bottom down position.

With puncher - When the GREEN lamp is on, pressing the four buttons at the same time will cause the shelf to move up, and punch the can lid.

With BHL and automatic shelf - The same button is mounted on the right-hand side of the dispensing head, and it allows to switch on the laser beams (press either the ▲ or ▼ button).</td></tr>
</table>

5.6 Off-line button and WHITE lamp

When the off-line button is pressed, all functions of the machine are interrupted; the WHITE lamp blinks to indicate that the machine is switched on but with the functions blocked (condition off-line 1 or off-line 2). In these conditions, any commands are refused.

Press the off-line button...	Initial condition	Final condition	WHITE lamp
...for an instant	On-line	Off-line 1 - machine functions blocked	Blinking slow
	Off-line 1	On-line - machine functions restored	ON
	Off-line 2	Off-line 2	Blinking fast
...for a few seconds	On-line	Off-line 2 - the automatic cap opens, machine functions blocked	Blinking fast
	Off-line 1		
	Off-line 2	On-line - the automatic cap closes, machine functions restored	ON

The machine must be set to off-line 1 condition to perform canister refilling (chapter Refilling the canisters) and to off-line 2 condition to execute maintenance operations that require the automatic cap to be open (chapter Routine maintenance).

WARNING

Pressing the off-line button while a formula is being dispensed will cause dispensing to be interrupted.

The interrupted formula recovery function, i.e. the ability to resume dispensing the quantity necessary to complete the formula, is enabled only if the firmware and the dispensing program support this function.

After interrupting the machine functions, it will be possible to carry out canister refilling.

5.7 LED light bars (optional)

LED light bars are mounted in the dispensing area that signal machine status in the different operating phases.

With the LED light bars, there are no signal lamps, since the LEDs will signal machine status:

Color	Meaning
Blue	The machine is ON and is waiting for communication.
Blue, blinking	Machine is in the off-line condition. The off-line button has been pressed.
Green	The can is positioned (the photocell has detected it) and it is possible to proceed with dispensing or punching.
Green, blinking	• Autocap is open • Autopad is not in rest position
White	Machine is dispensing.
Red, blinking	Fault condition.

5.8 “Easy-On” computer function (optional)

The “Easy-On” function allows to turn on the computer positioned in an area not easily accessible by the operator, directly from the machine control panel using the off-line button.

To turn on the computer, press and hold down the off-line button for at least 10 seconds.

When the signal lights come on, to indicate that the process is in progress, release the button.

Lamps of the control panel	the three lamps blink simultaneously
LED light bars	the LED light bars turn on in a 4- color sequence

Wait for the process to be concluded, until the computer is turned on.

At the end of the process, the machine is in on-line condition and ready for use.

If the “Easy-On” option is present, an additional USB port is mounted on the machine (front position, near the can detecting photocell) to connect any device such as calibration scale or usb pendrive.

5.9 Electrical connection and start-up

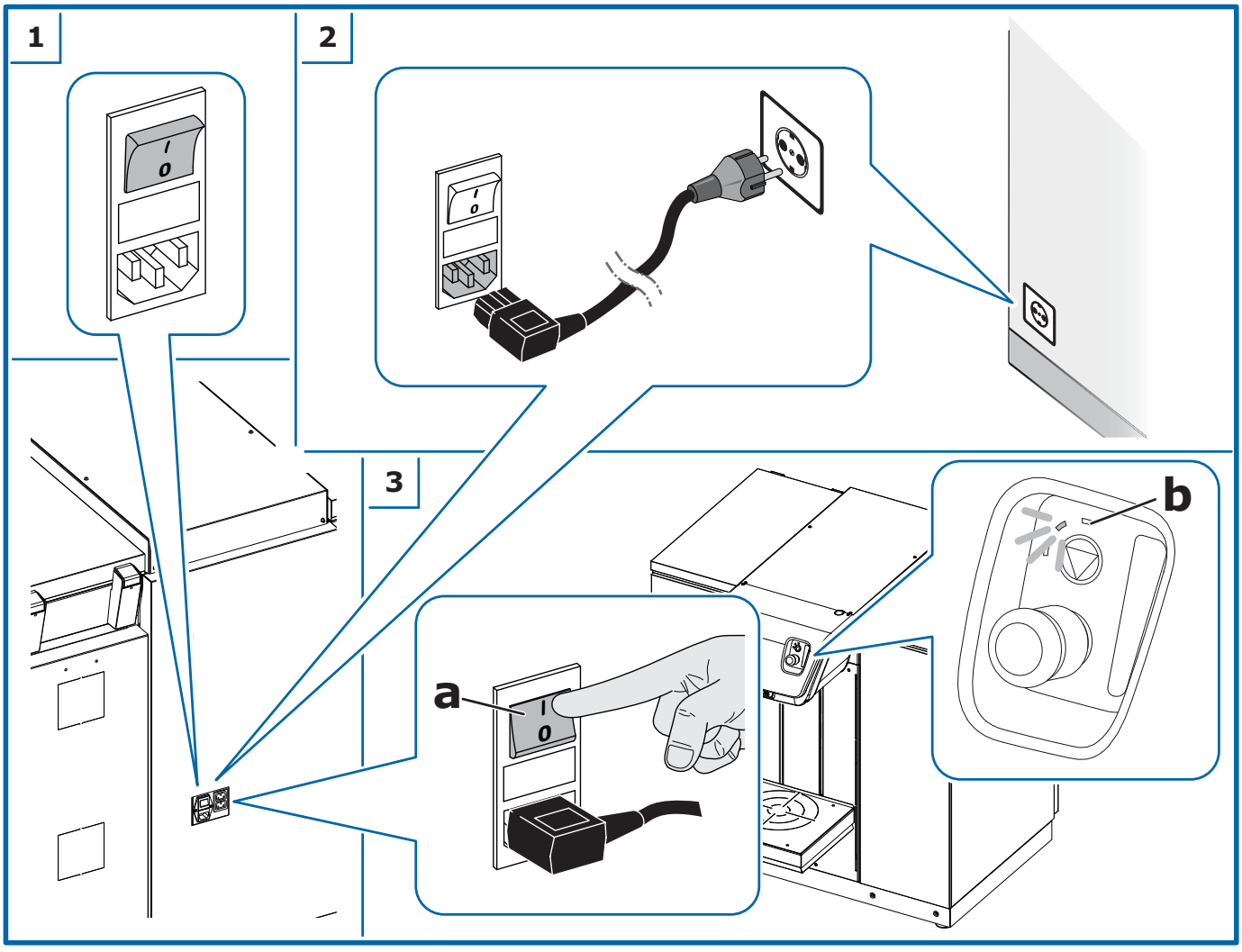
ATTENTION

If the WHITE lamp does not come on, make sure that the emergency button is not pressed (chapter Emergency stop). If the computer and monitor do not come on, make sure the power cables have been properly connected to the power sockets, and that the corresponding switches have been turned on.

If, after turning the machine on, the white lamp on the panel is blinking, or the LED light bar is blinking blue, it means that the machine is in the off-line condition. Restore machine normal on-line condition, by pressing the off-line button.

NOTE

When the software is launched it offers the operator a series of procedure requests that have the purpose to get the machine ready for use. These procedures are strictly related to the type of management software used.



5.10 Shut-down

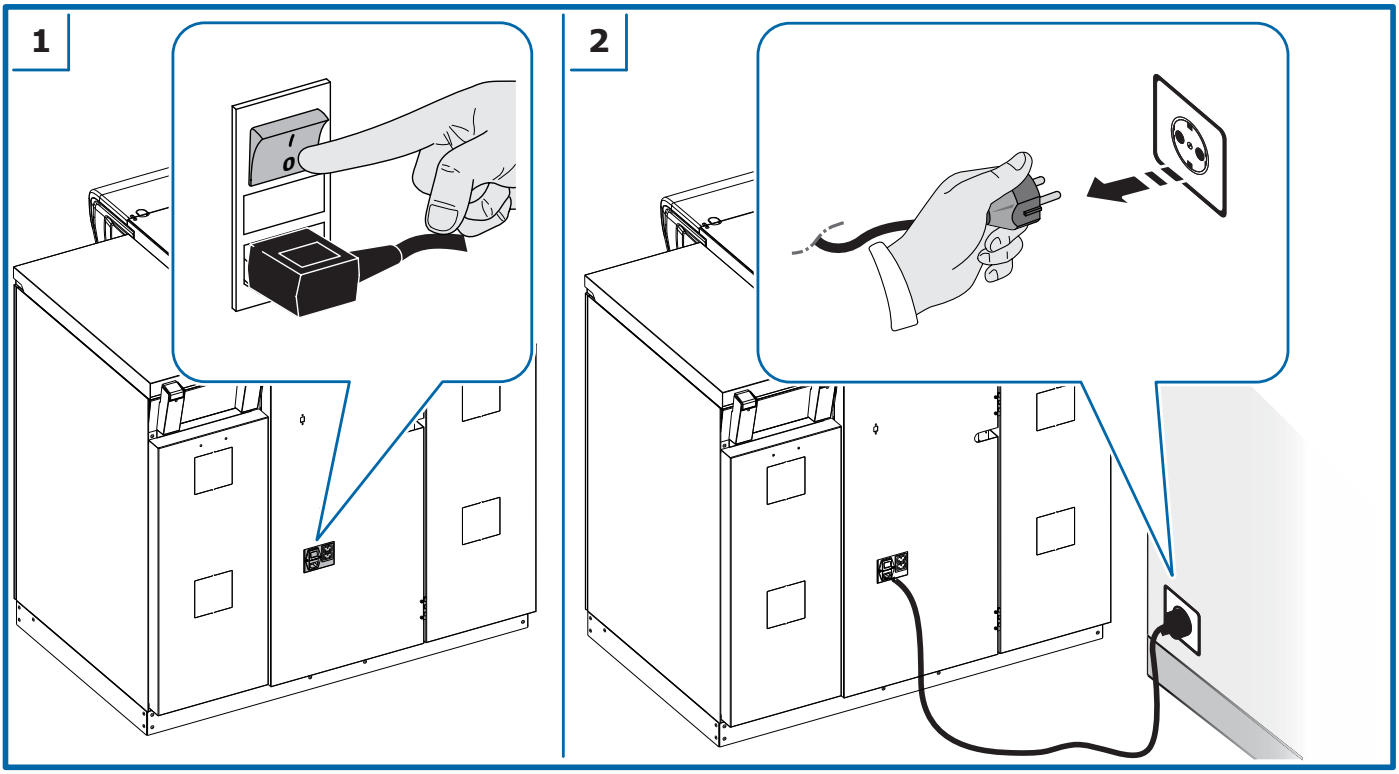
WARNING

WE RECOMMEND THAT YOU NEVER SHUT DOWN THE MACHINE, even when closed for business, because the automatic, timed functions help keep the colorant preserved and homogeneous.

Should it be essential to shut down the machine, avoid keeping it off for extended periods of time. When the machine is not being used, if necessary shut off only the computer.

NOTE

Very little power is used by the machine itself when inactive or during a stirring cycle.



6 USING THE DISPENSER

6.1 General warnings

Personnel in charge of these operations must wear the following personal protective equipment:


MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

HAZARD

The machine must be used by a single operator. Unauthorized people who could reach or touch machine parts during operation must not be admitted in the nearby area.

It is strictly forbidden to use the machine without protections or with any safety devices present on the machine disabled, broken down, or removed. The panels must be kept closed at all times.

Do not, for any reason, place your hands in the dispensing area when running the machine, except for loading and unloading the cans.

When handling cans, do not exceed the weight limits stated by the current regulations in force.

Carry out the single procedures described in the following chapters respecting the sequence of operations indicated. This guarantees correct use of the machine, reduces any risks for the operator and avoids damage to the machine itself.

6.2 At the beginning of the working day

At the beginning of each work shift, always carry out the following operations:

- Check that the nozzle center is clean.
- (With humidifier for solvent-based colorants or without humidifier) Check that the sponge is clean and saturated; if it is necessary to saturate, use only appropriate liquid (the choice of the liquid depends on the nature of the colorants, and must be done directly by the manufacturer of the products used).
- (With humidifier for water-based colorants) Check that the water in the bottle is not below the minimum level.
- (With Autopad) Check that the pad is clean.
- (With Puncher) Check the cutting tool is clean.
- Carry out system Purge (not necessary if the dispenser is equipped with Integrated Nozzle Valve System).

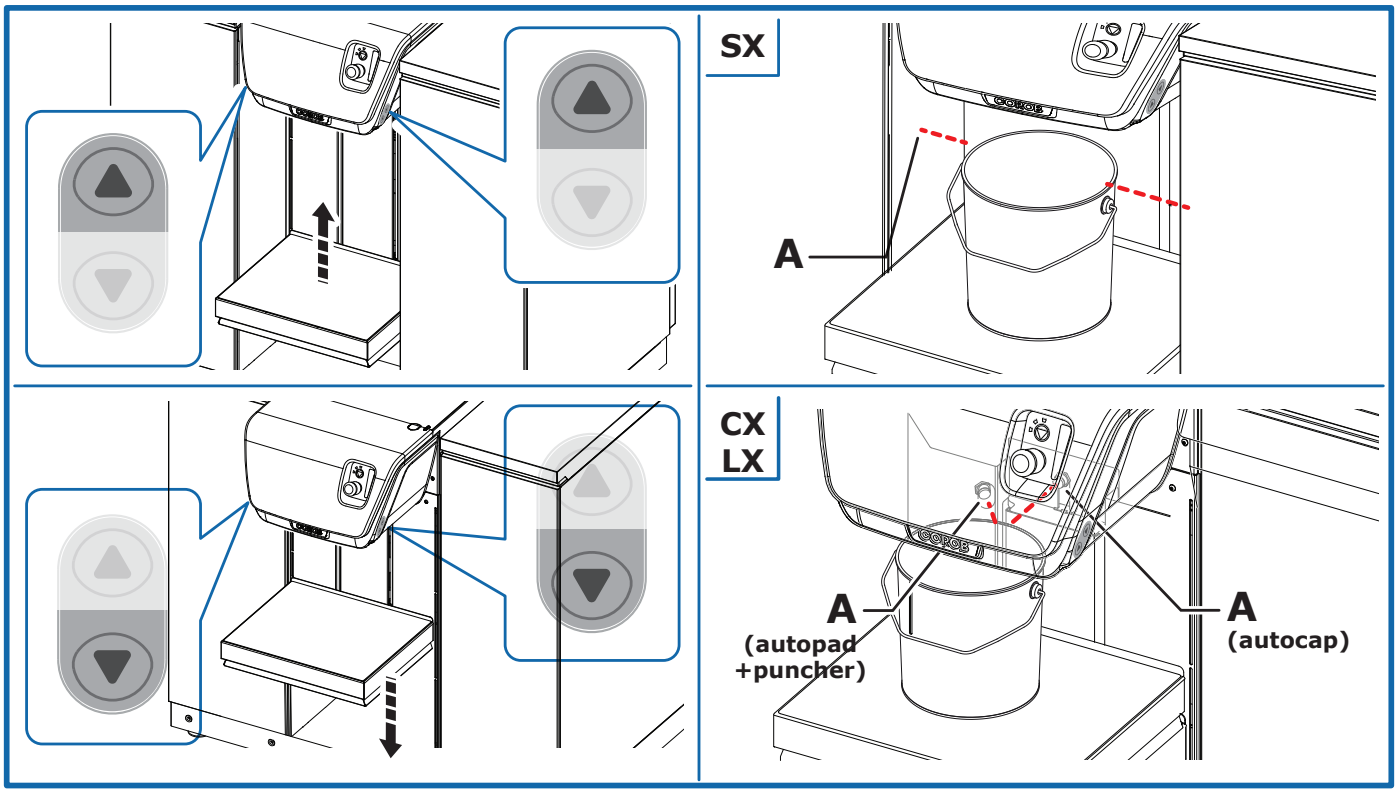
6.3 Running the machine

The management software displays the instructions to be followed and the actions taken by the machine in order to guide the operator.

Steps:

1. (selection of the product, formula and cansize).
2. Load the can in the machine and adjust the height of the can shelf.
   - with semiautomatic shelf (ch. Loading the can - Semiautomatic shelf)
   - with automatic shelf (ch. Use of can centering device and Bung Hole Locator)
   - with roll conveyor (ch. Loading the can - Roll conveyor)
3. Adjust can position with respect to the dispensing center.
   - with can centering device (ch. Use of can centering device and Bung Hole Locator)
   - with Laser B.H.L. (ch. Use of can centering device and Bung Hole Locator)
4. Carry out punching of the can lid (optional).
   - with puncher (ch. Punching the can)
5. Via the software, enter the formula dispensing command (ch. Dispensing)
6. After dispensing, remove the containers and continue with the next dispensing.

6.3.1 Loading the can - Semiautomatic shelf

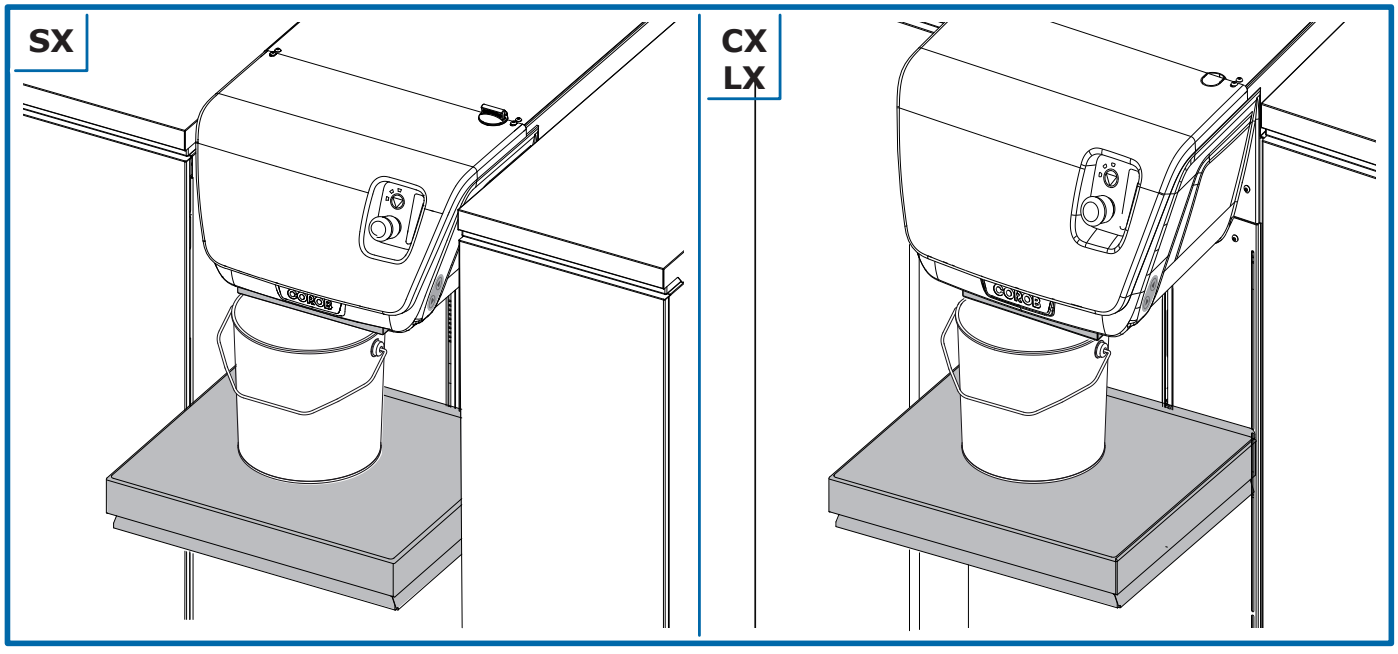


ATTENTION

With the purpose to prevent any crushing risks, the semiautomatic shelf is fitted with a lower safety plate (chapter Safety devices). The safety plate intervenes by causing the shelf to stop if it is inadvertently touched by the operator.

1. Place the can on the shelf or on a possible scale. Use the roll conveyors, if fitted, to slide and ease heavy cans on the shelf (chapter Use of can centering device and Bung Hole Locator).
2. Press and hold down the two buttons ▲ at the same time, to raise the shelf, which stops when the can is correctly positioned.
3. If necessary, lower the shelf by pressing the two buttons ▼ at the same time.

6.3.2 Use of can centering device and Bung Hole Locator



ATTENTION

With the purpose to prevent any crushing risks, the machine is fitted with two safety plates (chapter Safety devices). The safety plates intervene by causing the shelf to stop if they are inadvertently touched by the operator.

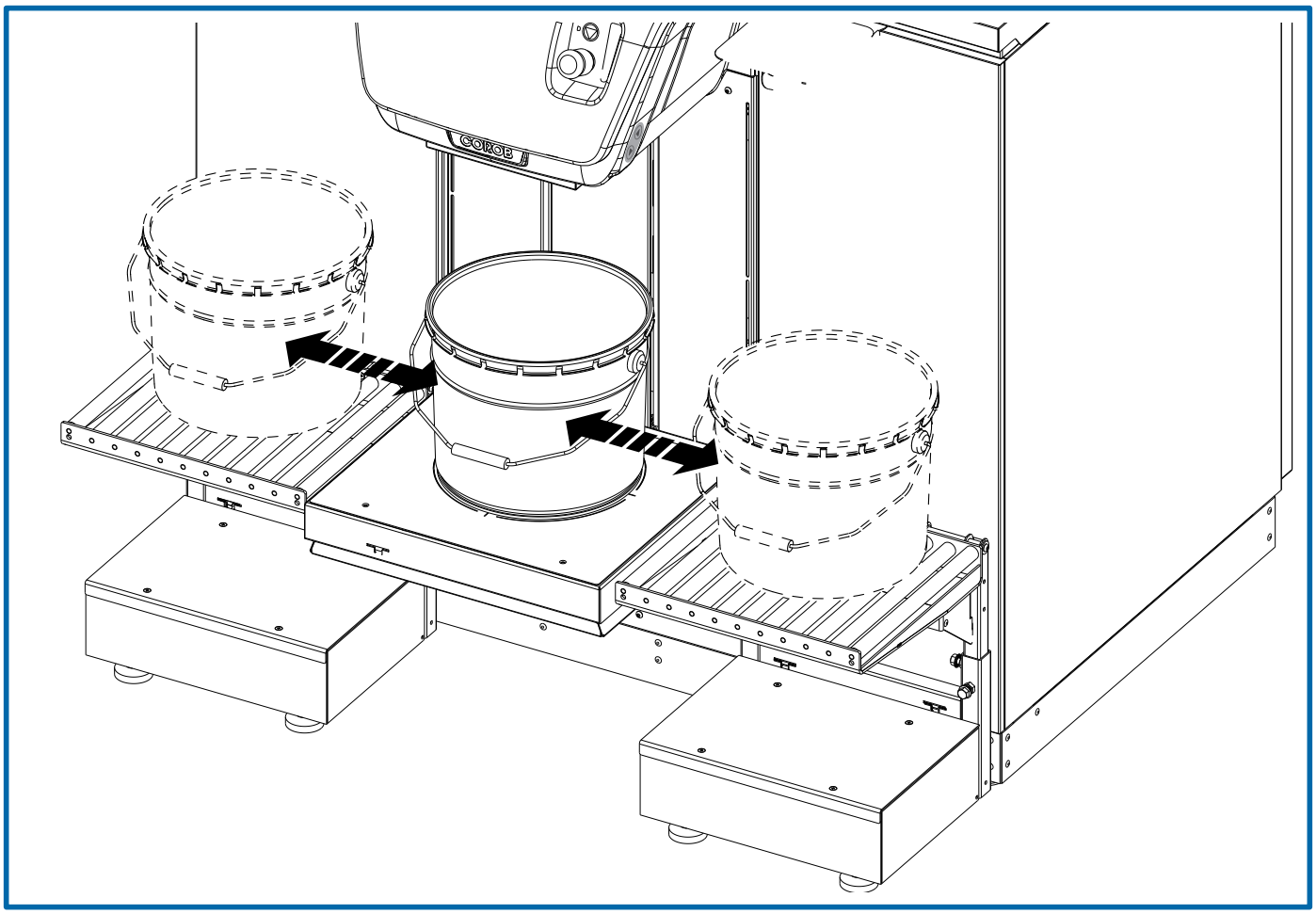
Place the can on the shelf or on a possible scale. Use the roll conveyors, if fitted, to slide and ease heavy cans on the shelf (chapter Use of can centering device and Bung Hole Locator).

The management program controls the movement of the automatic shelf, checks for the can presence and that the can placed on it is actually the one selected through the program for dispensing the formula.

These checks are also carried out by a photocell located underneath the nozzle center. The shelf automatically stops when the can is detected by the photocell.

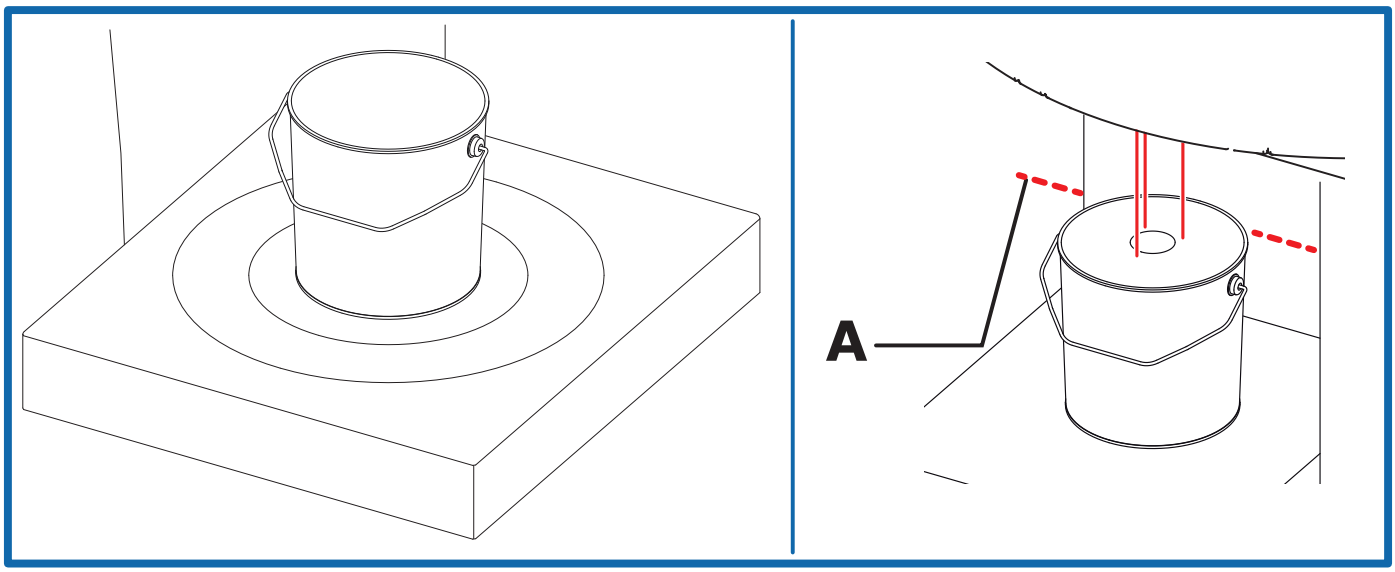
After a can has been positioned, the program will indicate an error if the can is missing from the shelf, or if it is larger or smaller than the one selected for dispensing.

6.3.3 Loading the can - Roll conveyor



Place the can on the roll conveyor and slide it under the dispensing head.

6.3.4 Use of can centering device and Bung Hole Locator



With can centering device

Place the can in the centering ring of the suitable diameter.

With Bung Hole Locator and semiautomatic shelf

1. After having correctly positioned the can so as to obscure photocell **A**, the laser beams will switch on.
2. Position the can in such a way that the hole on the lid is in the center of the laser beams.

With Bung Hole Locator and automatic shelf

1. After having loaded the can, switch on the laser beams using the additional button located on the right of the dispensing head.
2. Position the can in such a way that the hole on the lid is in the center of the laser beams.

6.3.5 Punching the can

ATTENTION

Remember to carry out punching **BEFORE** commanding the dispensing from the software.

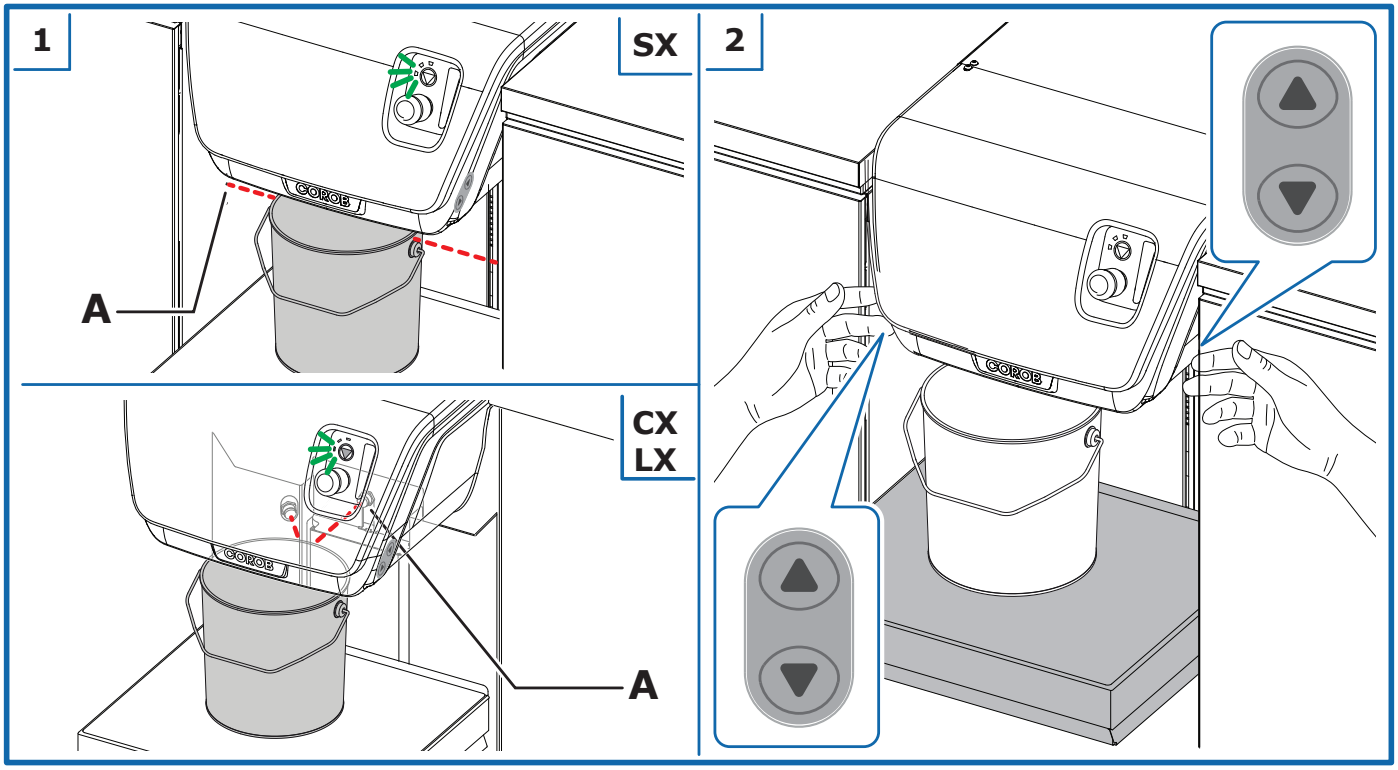
1. When the can has been positioned so as to obscure photocell **A** (chapter Loading the can - Semiautomatic shelf and Use of can centering device and Bung Hole Locator) the GREEN lamp will light, to indicate that is it is now possible to proceed with punching.

WARNING

The punch tool is sharp. The can-holding plate is installed for safety purposes as well. Never puch the plate upward. Do not touch the puncher blade with your hands.

Ensure that there is a lid on the can.

2. Press and hold down contemporaneously the four buttons on the right and left sides; the shelf will rise further in order to push the can against the puncher and then return to the initial position. During shelf descent, it is possible to release the buttons.



6.3.6 Dispensing

The dispensing system depends on the machine version.

If the LED light bars are present, when the dispensing command is entered, the white LED light bar turns on, to indicate that the machine is executing the dispensing process.

With Autocap:

When the dispensing command is entered, the automatic cap opens to expose the nozzles and the machine begins to dispense the products included in the formula in the set amounts; the cap will automatically close when dispensing is finished.

With Autopad:

Note: the standard position of the Autopad can be configured, therefore the way it operates depend on the settings.

When the dispensing command is entered, the machine begins to dispense the products included in the formula in the set amounts; the Autopad (if open) will automatically close when dispensing is finished, to clean the nozzles, and then it re-opens.

The semiautomatic shelf can be configured in EVOservice to automatically move down, at the end of dispensing, to a set height (typically the height of a roller conveyor).

6.4 Automatic processes

Stirring is a timed process, activated automatically to properly store the product in the canisters and keep it in ideal, homogeneous conditions for dispensing, through the movement of stirring paddles inside canisters.

The **Recirculation** process circulates the colorant through the dispensing circuits, avoiding pigment sedimentation in the various parts of the circuit. The colorant leaves the bottom of the canister and returns in the canister through the recirculation connector, without being dispensed through the nozzle center.

The duration and the interval between one stirring or recirculation cycle and another can be customized via the configuration software, based on the nature of the products used on the machine.

ATTENTION

We recommend to keep the canisters closed with their corresponding lids; do not insert hands in the canister even when no colorant is present

When an automatic process is in progress, the machine can still be used; the process will be suspended and restarted after a few seconds that the machine is inactive.

6.5 Refilling the canisters

1. Press the off-line button for an instant (chapter Buttons and lamps).

The white lamp on the control panel blinks. If the LED bars are present, the blue bar blinks.

2. Remove the lid of the tank to be filled.

ATTENTION

Shake the container of colorant to be poured into the canister manually. Do not use automatic shakers.

3. Add the desired colorant to the canister so as to avoid spattering or creating air emulsions in the colorant. If the bottle draining is present, make sure that the bottle draining system is correctly positioned, then add the desired colorant to the canister, by pouring it directly on the bottle drainer, so as to avoid spattering or creating air emulsions in the colorant.

WARNING

NEVER pour colorant directly onto the stirrer shaft.

THE COLORANT LEVEL MUST NOT EXCEED THE MAXIMUM LEVEL, placed at 1.5 cm (0.6”) approx. under the recirculation connector.

To avoid colorant spills from the shaft of the stirring system, it is essential that you DO NOT REMOVE the bottle drainer while topping up. The colorant level MUST NOT exceed the maximum level, placed at 1.5 cm [0.6] from the upper edge of the canister.

Colorant spills cause the circuit pumping unit to be blocked.

4. Close the canister with its corresponding lid.
5. Bring the machine back to the on-line condition using the off-line button (chapter Buttons and lamps).
6. Repeat the above steps to fill other canisters.

WARNING

In case of improper actions, which caused canister overfilling with colorant:

- In case the colorant has poured inside the machine, do not try to clean; turn the machine off at once and contact an authorized service center.
- If, on the contrary, the product has already poured out of the canister, it is necessary to shut off the machine immediately and clean with paper or a moistened cloth. Whenever possible, leave the colorant to dry itself and remove with a spatula.
- If the product has not yet come out of the canister borders, it is necessary to avoid closing the canister with its lid and provide immediately to dispense the exceeding colorant until the correct level is reached. Clean carefully the upper border of the canister with paper or a moistened cloth before closing it with the lid.
- To avoid the risk of slipping, keep the floor around the machine clean from possible product spills.

NEVER USE WATER OR SOLVENT-BASED CLEANING PRODUCTS TO CLEAN THE MACHINE.

USING AGGRESSIVE CLEANING LIQUIDS CAN DAMAGE COMPONENTS AND EXTERNAL PANELS PAINT COATING.

HAZARD

When using **colorants containing volatile solvents** the canister top up must be carried out opening one canister at the time.

Avoid naked flames or material that may create sparks and cause a fire.

Do not smoke near the machine.

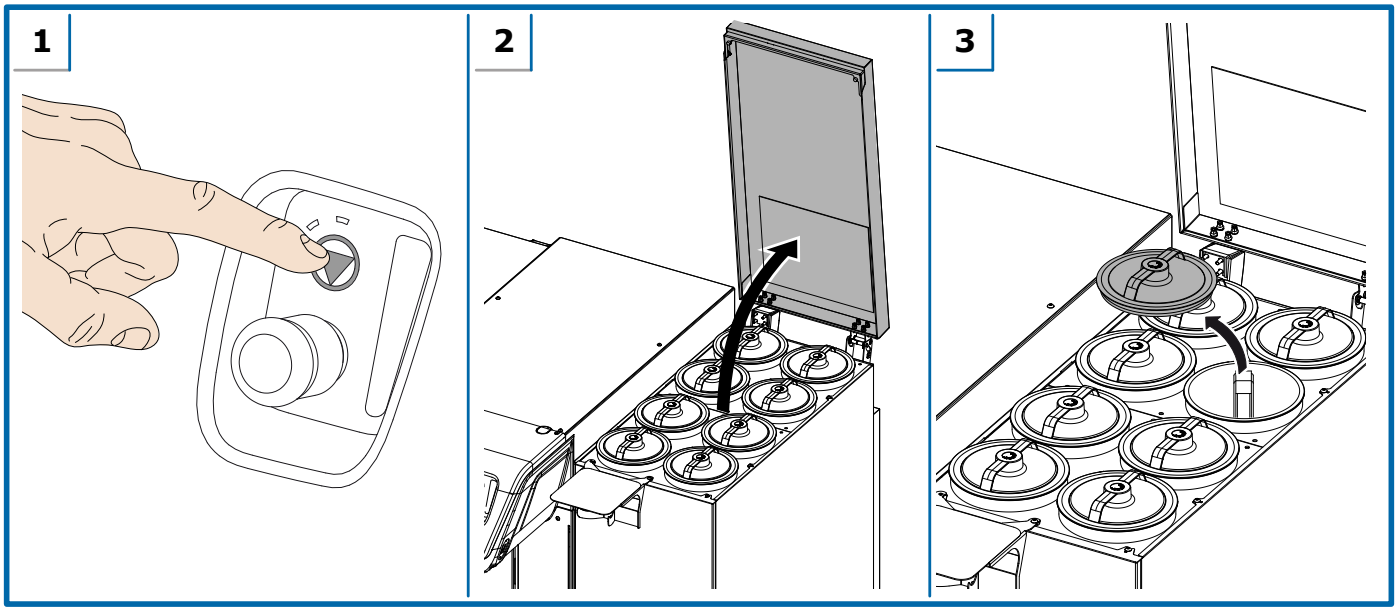
WARNING

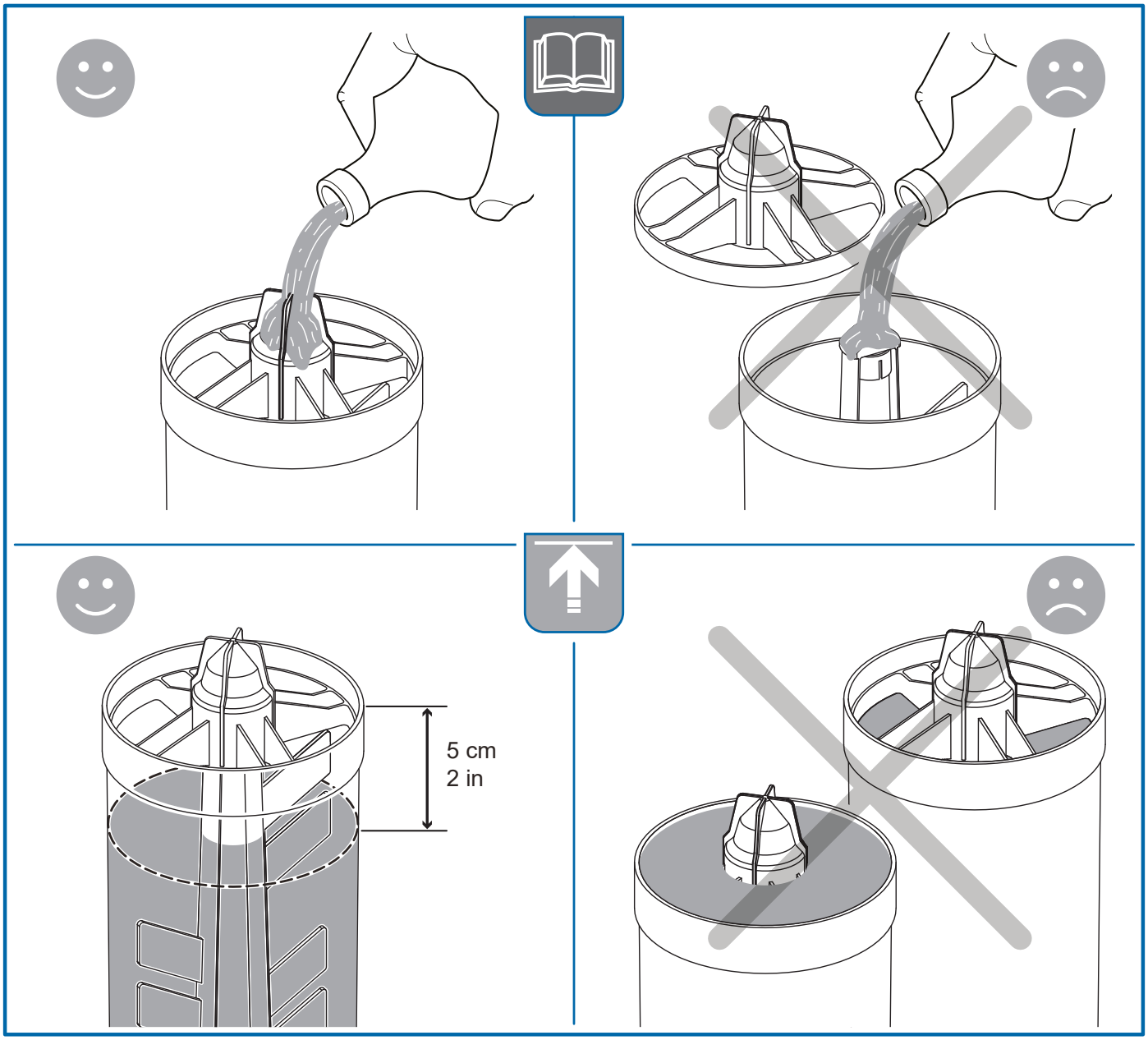
Failure to update the colorant levels in the canisters may compromise the accuracy of the hue produced or, worse yet, lead to emptying the machine canisters and circuits.

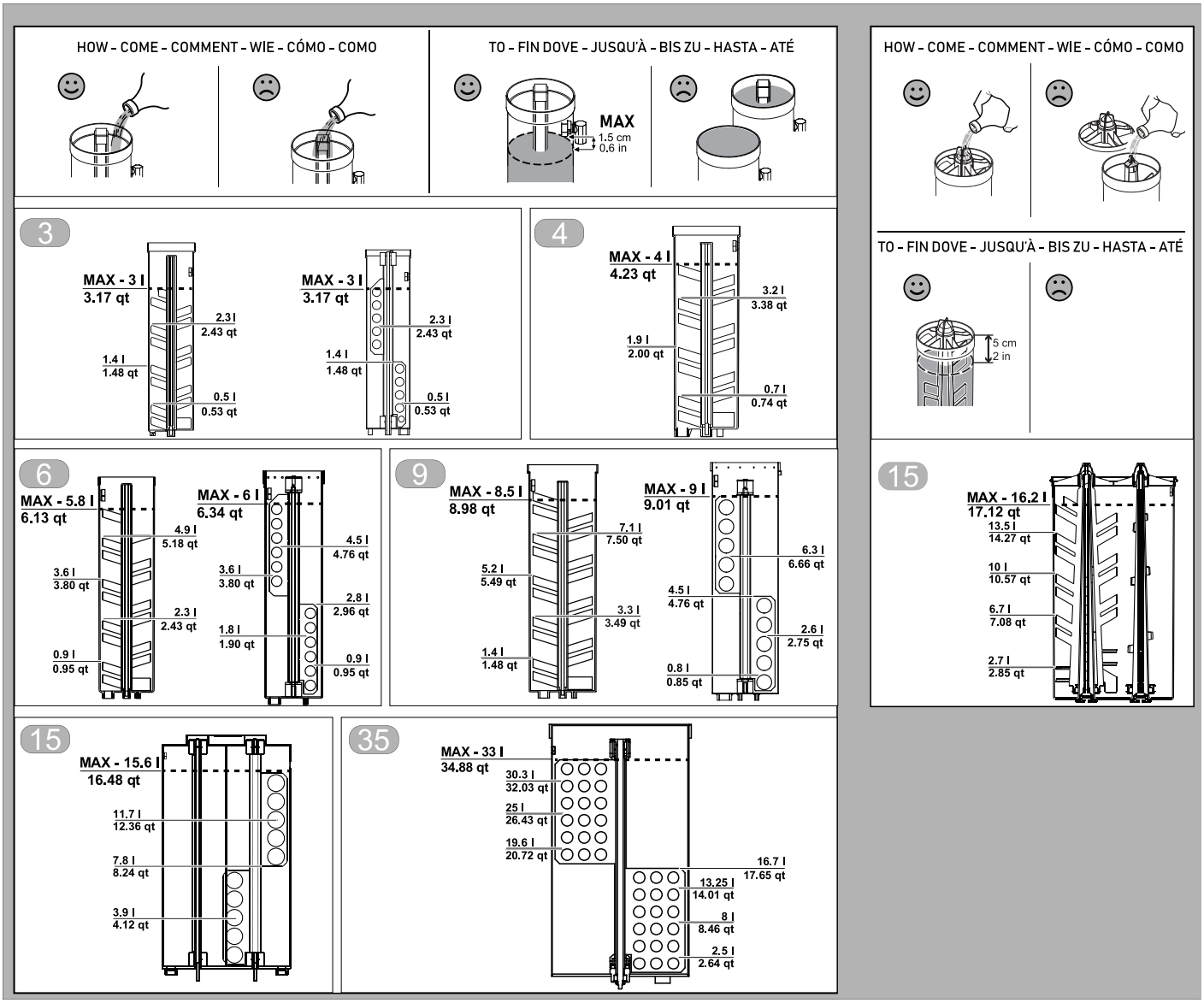
ATTENTION

We recommend that you keep the canisters full at all times by topping up frequently

After topping up the colorant, it is advisable to carry out the stirring process using the functions provided in the management software, to eliminate any air that may be emulsified and incorporated into the colorant.




5 cm
2 in


HOW - COME - COMMENT - WIE - CÓMO - COMO
TO - FIN DOVE - JUSQU'À - BIS ZU - HASTA - ATÉ
MAX
1.5 cm
0.6 in
3
MAX - 3 l
3.17 qt
2.3 l
2.43 qt
1.4 l
1.48 qt
0.5 l
0.53 qt
MAX - 3 l
3.17 qt
2.3 l
2.43 qt
1.4 l
1.48 qt
0.5 l
0.53 qt
4
MAX - 4 l
4.23 qt
3.2 l
3.38 qt
1.9 l
2.00 qt
0.7 l
0.74 qt
6
MAX - 5.8 l
6.13 qt
4.9 l
5.18 qt
3.6 l
3.80 qt
2.3 l
2.43 qt
0.9 l
0.95 qt
MAX - 6 l
6.34 qt
4.5 l
4.76 qt
3.6 l
3.80 qt
2.8 l
2.96 qt
1.8 l
1.90 qt
0.9 l
0.95 qt
9
MAX - 8.5 l
8.98 qt
7.1 l
7.50 qt
5.2 l
5.49 qt
3.3 l
3.49 qt
1.4 l
1.48 qt
MAX - 9 l
9.01 qt
6.3 l
6.66 qt
4.5 l
4.76 qt
2.6 l
2.75 qt
0.8 l
0.85 qt
15
MAX - 15.6 l
16.48 qt
11.7 l
12.36 qt
7.8 l
8.24 qt
3.9 l
4.12 qt
35
MAX - 33 l
34.88 qt
30.3 l
32.03 qt
25 l
26.43 qt
19.6 l
20.72 qt
16.7 l
17.65 qt
13.25 l
14.01 qt
8 l
8.46 qt
2.5 l
2.64 qt
HOW - COME - COMMENT - WIE - CÓMO - COMO
TO - FIN DOVE - JUSQU'À - BIS ZU - HASTA - ATÉ
5 cm
2 in
15
MAX - 16.2 l
17.12 qt
13.5 l
14.27 qt
10 l
10.57 qt
6.7 l
7.08 qt
2.7 l
2.85 qt

6.6 Troubleshooting

Problem: the machine does not turn on.	
Cause	**Solution**
Power supply is missing.	Check the connections at the back of the machine (chapter Control devices and connections).
Main switch in OFF position (O).	Set the main switch to the ON position (I) (chapter Electrical connection and start-up).
One or more fuses may be blown up.	Replace any blown fuse inside the fuse compartment (chapter Management computer).
The power supply unit is in overcurrent.	Wait a few minutes and try to restart the machine. If the problem persists, contact the authorized technical service.
Electrical connections are defective.	Contact the authorized technical service.

Problem: The management software shows an error in the communication protocol.	
Cause	**Solution**
Machine is OFF.	Turn the machine on (chapter Electrical connection and start-up) and restart the management software.
Machine disconnected from the computer.	Check the connections at the back of the machine (chapter Control devices and connections).
Computer serial port or USB port wrongly configured or defective.	Use the configuration and calibration software to make sure you have correctly configured the port used to communicate with the machine.
	Repair the computer serial port or USB port.
Serial cable damaged.	Replace the communication cable using manufacturer's original spare parts.
Connection defective.	Contact the authorized technical service.

Problem: the WHITE lamp blinks slowly and the machine refuses the commands.	
Cause	**Solution**
The machine is in the off-line 1 condition.	Bring the machine to the on-line condition by using the off-line button.

Problem: The machine does not work.	
Cause	**Solution**
The off-line is pressed. The WHITE lamp blinks.	Release the off-line button (chapter Off-line button and WHITE lamp).
An error has occurred. The RED lamp blinks.	Check the error message displayed in the software. After removing the cause of the error, restore the machine by sending a reset command or by turning the machine off and on again. If the problem persists, contact the authorized technical service.

Problem: The WHITE lamp blinks fast and the machine refuses the commands.	
Cause	**Solution**
The automatic cap is open and the machine is in the off-line 2 condition.	Close the automatic cap and bring the machine to the on-line condition by using the off-line button.

Problem: The machine does not work and the RED lamp on the control panel is on.	
Cause	**Solution**
Emergency button is pressed.	Release the emergency button (chapter Emergency stop).

Problem: The punching operation failed and the can got stuck in the punching group.	
Cause	**Solution**
The punch tool is worn or dirty and therefore does not cut well, or the sliding columns of the punch group are dirty.	Lower the shelf slightly and push the can down by hand to disengage it. The use of safety gloves is mandatory.  *MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)* Perform routine maintenance on the punch tool (cleaning) or request replacement.
The paint can is deformed.	Check that the cans are in good condition and that they are of the right size and intended for use with the machine.
The punching sensors are not properly adjusted.	Call the technical service for extraordinary maintenance on the punching group.

7 ROUTINE MAINTENANCE

7.1 General warnings

Personnel in charge of these operations must wear the following personal protective equipment:

 MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

HAZARD

Before carrying out any maintenance operations, you must turn off the machine and unplug the power supply cable from the mains socket outlet.

During machine maintenance operations there is a high risk of contact with the coloring product; strictly follow the indications of chapter Warnings on the use of products.

7.2 Maintenance table

WARNING

The frequencies indicated are approximate, since they depend on the type of colorants, environment conditions and frequency of use of the machine.

Operations	Frequency
Purge machine (not necessary with INV)	Beginning of shift
Cleaning the nozzle centre	Beginning of shift
Check the sponge / pad is clean	Beginning of shift
Check the sponge is saturated (Autocap only) Accessory: solvent humidifier or without humidifier	Beginning of shift
Moisten the sponge (Autocap only) Accessory: solvent humidifier or without humidifier	Twice a week
Clean the sponge / pad	Beginning of shift
Check condition of puncher Accessory: puncher	Twice a week
Clean the dispenser externally	When necessary
Fill up the humidifier bottle Accessory: humidifier (water)	When necessary

7.3 Products to be used

We recommend to use products compatible with the type of colorants in the machine when cleaning the nozzle center and moistening the humidifier and cap sponge or cleaning the Autopad pad.

Type of colorant	Suggested product
Solvent-based colorants	slow-evaporating solvent, compatible with the colorants used
Water-based colorants	water
Mixed systems	the choice depends on the type of vehicles used to produce the colorants; for more information, contact the dealer or colorant manufacturer

Should growths form in the cap, in the sponges or in the humidifier water bottle, it is advisable to use the following fluids:

- Propylene glycol solution, 50% by volume, in water;
- AgCl solution in water;
- Bleach (dilution 1%).

7.4 External cleaning

WARNING

NEVER USE WATER OR SOLVENT-BASED CLEANING PRODUCTS TO CLEAN THE MACHINE.

USING AGGRESSIVE CLEANING LIQUIDS CAN DAMAGE COMPONENTS AND EXTERNAL PANELS PAINT COATING.

In case the colorant has poured inside the machine, do not try to clean; turn the machine off at once and contact an authorized service center.

In the even of product spills, clean the machine immediately.

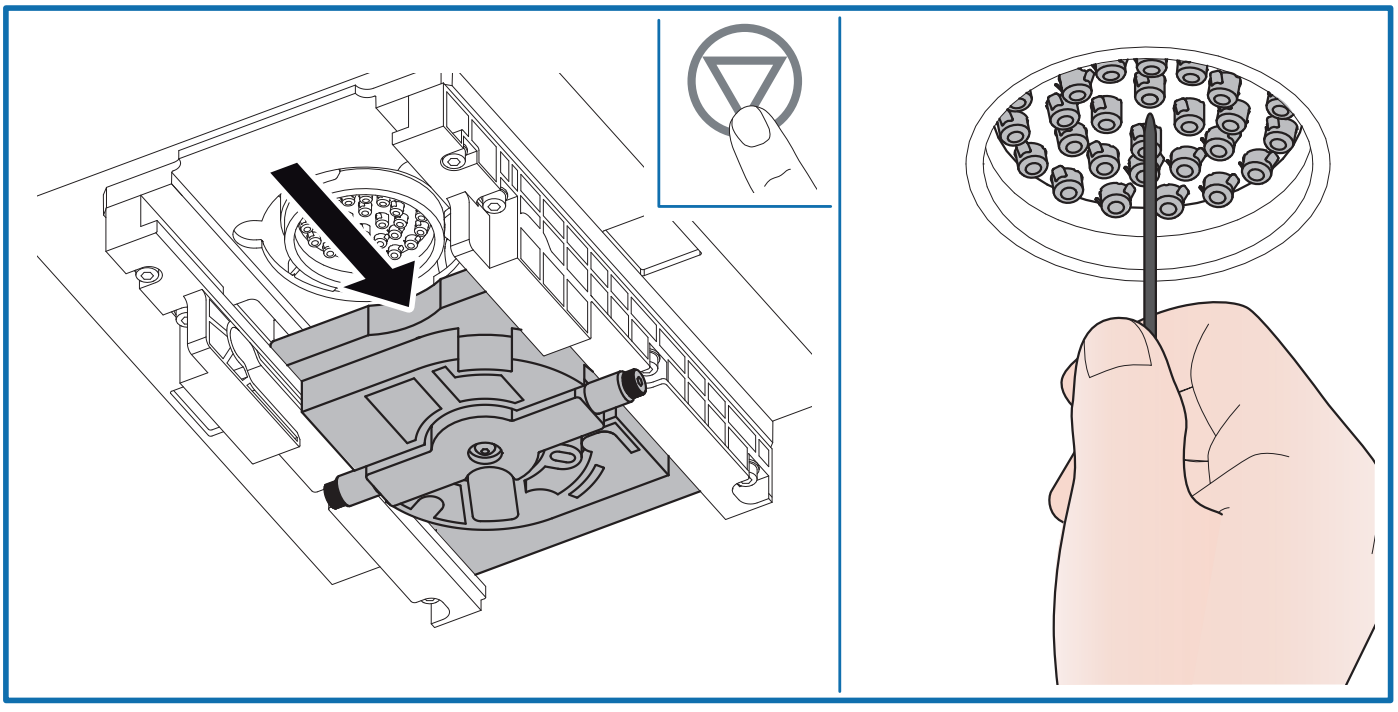
1. Disconnect power supply (chapter Shut-down).
2. To remove dirt, dust and any colorant stains, clean the cladding, panels and control devices of the machine with a soft and cloth, either dry or moistened slightly with a mild detergent solution.
3. Connect power supply and switch on the machine (chapter Electrical connection and start-up).

To clean the computer, refer to the manufacturer's manual.

7.5 Cleaning the nozzle centre (Autocap)



1. Open the humidifier cap.
2. Disconnect power supply (chapter Shut-down).
3. Accurately clean the nozzles using a sharp tool; remove any dried colorant residue delicately, to avoid damaging the ends of the circuits.
4. Connect power supply and switch on the machine (chapter Electrical connection and start-up).
5. Close the humidifier cap.
6. Carry out purge using the command in the management software



7.6 Cleaning the nozzle center (Autopad with INV)

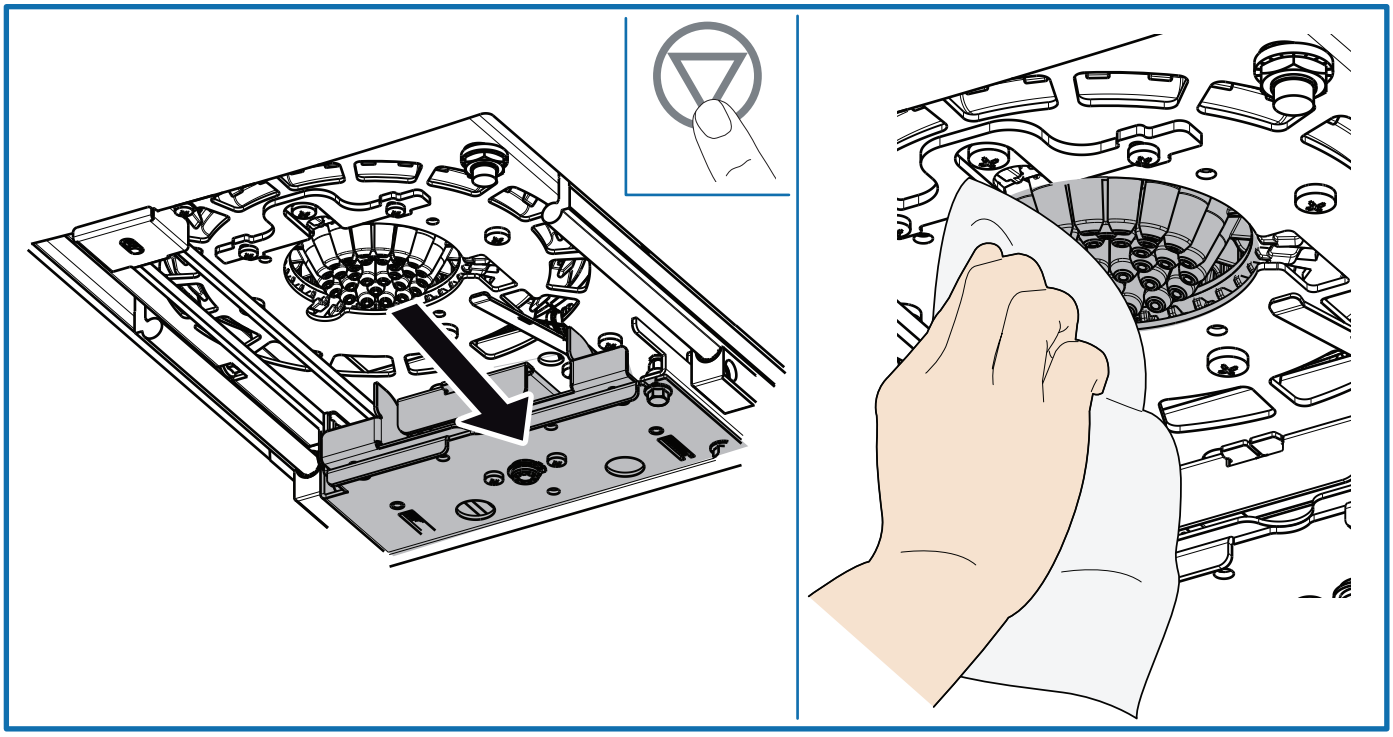
The Autopad cleans the INV nozzle center after each dispensing.

When necessary, additionally clean the nozzles as follows:

1. If it's not open already, open the Autopad using the Off-line button.
2. Disconnect power supply (chapter Electrical connection and start-up).

HAZARD
TO CLEAN THE NOZZLE CENTER **NEVER USE** ABRASIVE SPONGES OR CLOTHS, OR SHARP TOOLS. DO NOT USE SOLVENTS OR AGGRESSIVE CLEANING PRODUCTS.

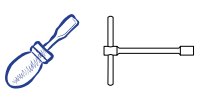
3. Accurately clean the nozzles using a moistened cloth or the special cleaning brush that can be ordered as an optional accessory.
4. Connect power supply and switch on the machine (chapter Electrical connection and start-up).



7.7 Cleaning and moistening the sponge (Autocap)

ATTENTION

In case of humidifier cap sponge replacement, use only those supplied with the machine.



8 mm [0.31”] To remove the screw(s)

HAZARD

IF THE MACHINE IS EQUIPPED WITH PUNCHING DEVICE, YOU MUST WEAR CUT-PROOF GLOVES.

MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)



1. Open the cap.
2. Disconnect power supply (chapter Shut-down).
3. Remove the sponge holding lid.

WITHOUT HUMIDIFIER:

a. Check the sponge condition and moisten it. The liquid level must not exceed the sponge height. If it is very dirty remove the sponge from the cap and wash it thoroughly.

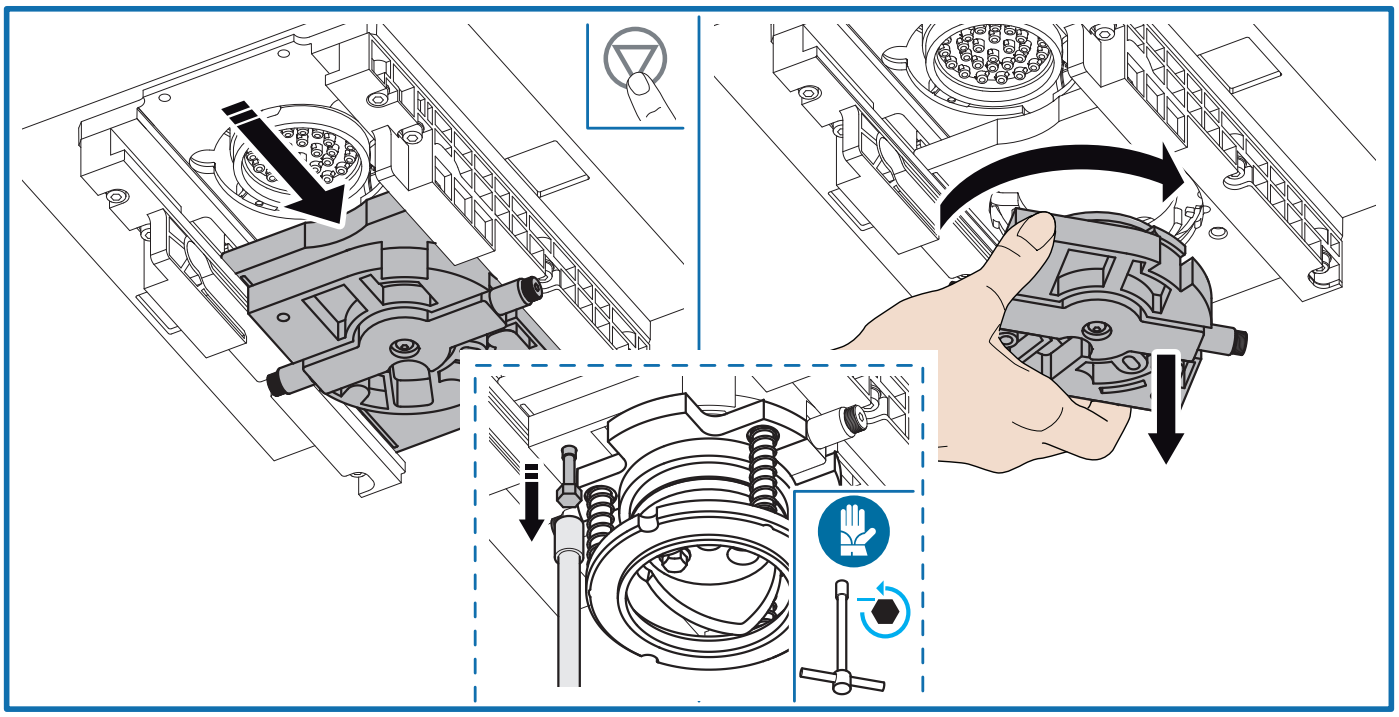
WITH SOLVENT HUMIDIFIER:

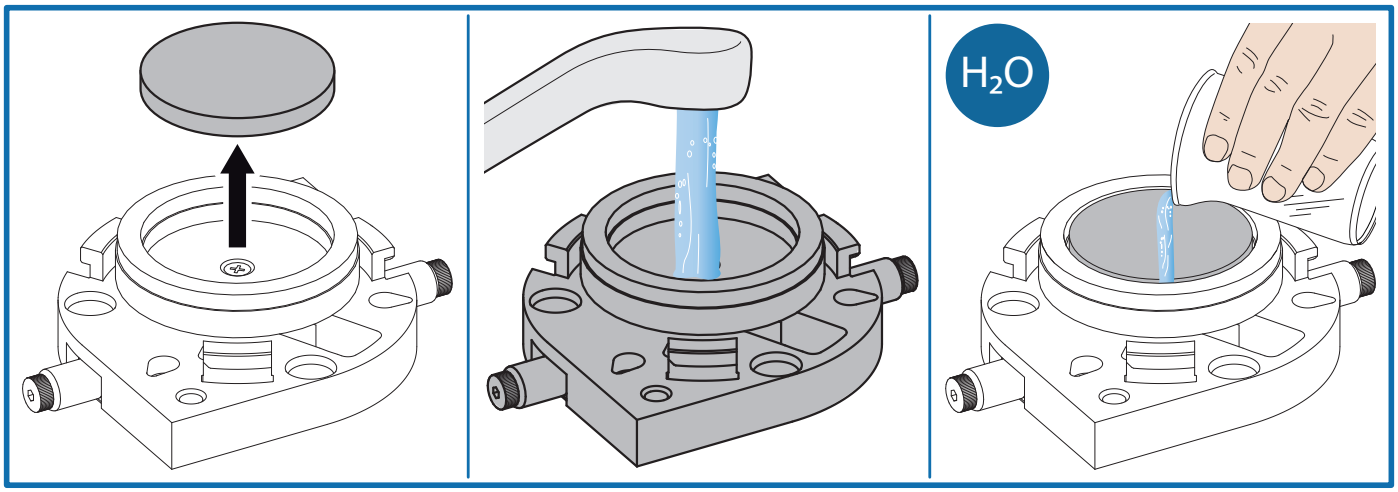
b. Check the condition of the sponge. If it is very dirty remove the sponge from the cap and wash it thoroughly. Top up with a small quantity of solvent the tank inside the sponge support; when repositioning the sponge on the filter, be careful to dip the tail into the solvent.

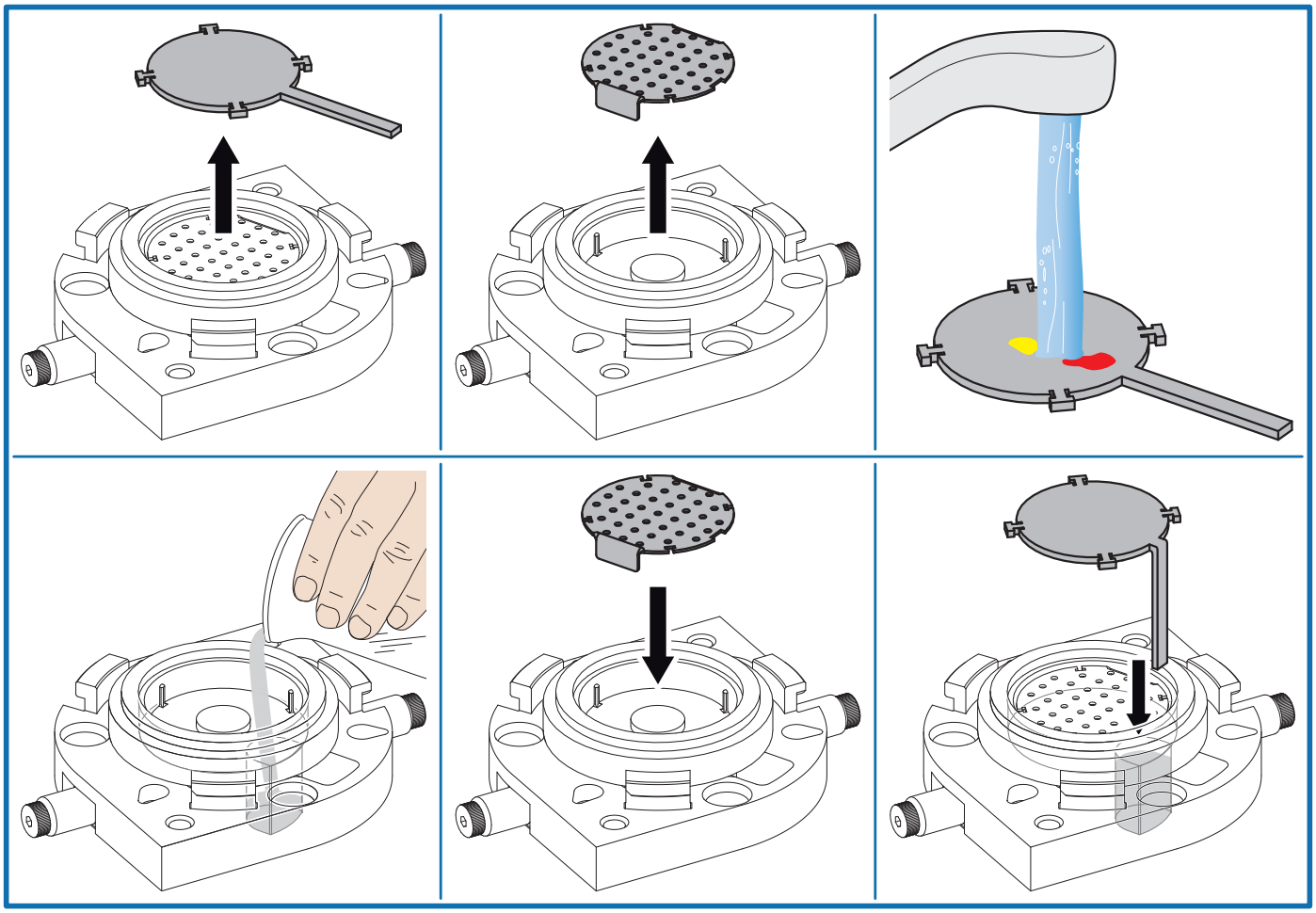
WITH WATER HUMIDIFIER:

c. Check the condition of the sponge. If it is very dirty remove the sponge from the cap and wash it thoroughly.

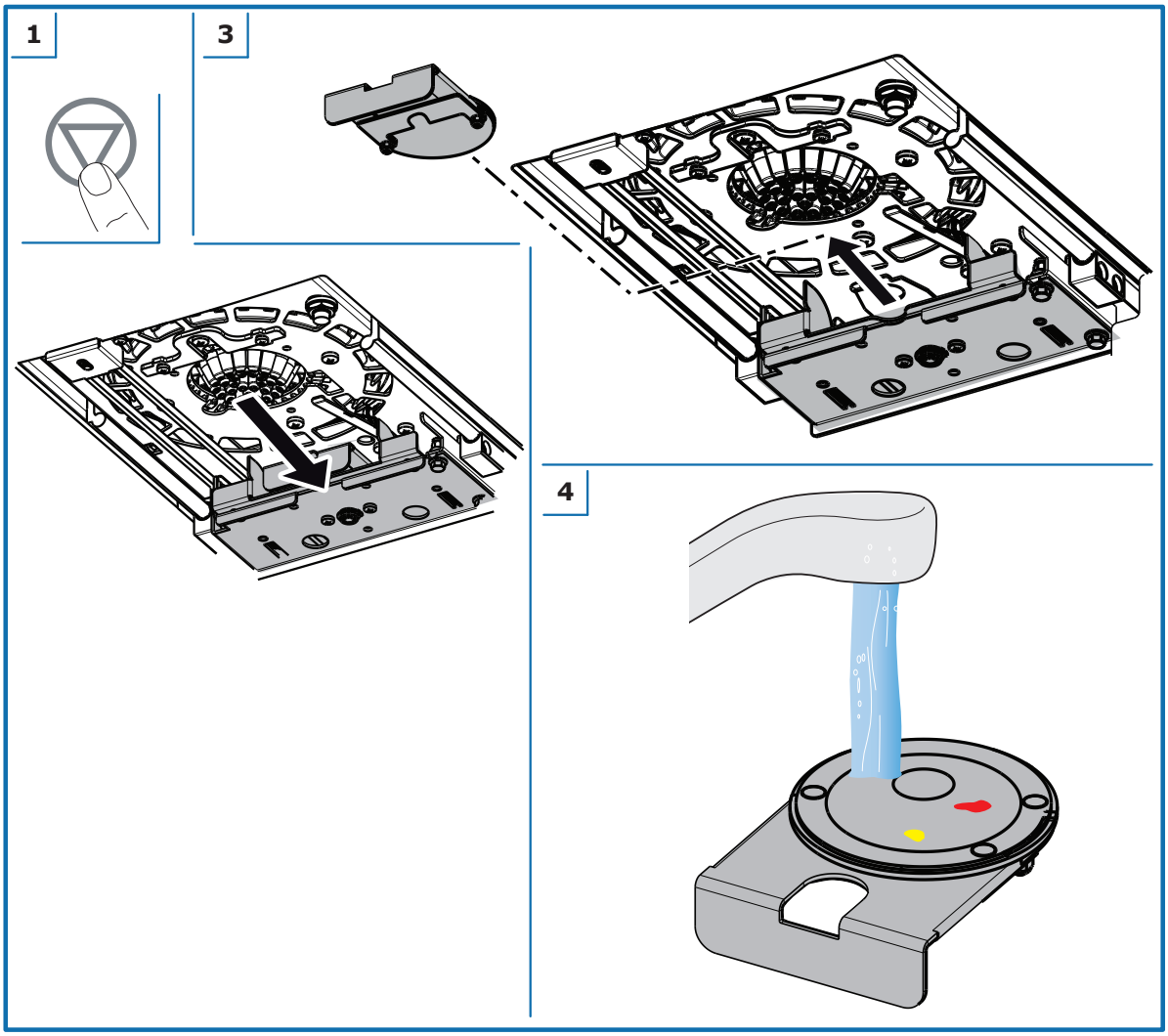
4. In all cases, if the sponge is severely damaged, replace it.
5. Re-install the sponge holding lid.
6. Connect power supply and switch on the machine (chapter Electrical connection and start-up).
7. Close the cap.







7.8 Cleaning the Autopad



ATTENTION

In case of Autopad pad replacement, use only those supplied with the machine

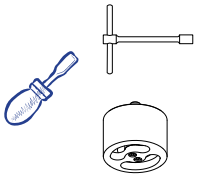
1. If it's not open already, open the Autopad using the Off-line button.
2. Disconnect power supply (chapter Shut-down).
3. Remove the pad holder.
4. Wash thoroughly.
5. In all cases, if the pad is severely damaged, replace it.
6. Re-install the pad holder.
7. Connect power supply and switch on the machine (chapter Electrical connection and start-up).

7.9 Checking and replacing the puncher

HAZARD

TO PERFORM THIS OPERATION YOU MUST WEAR CUT-PROOF GLOVES.

MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

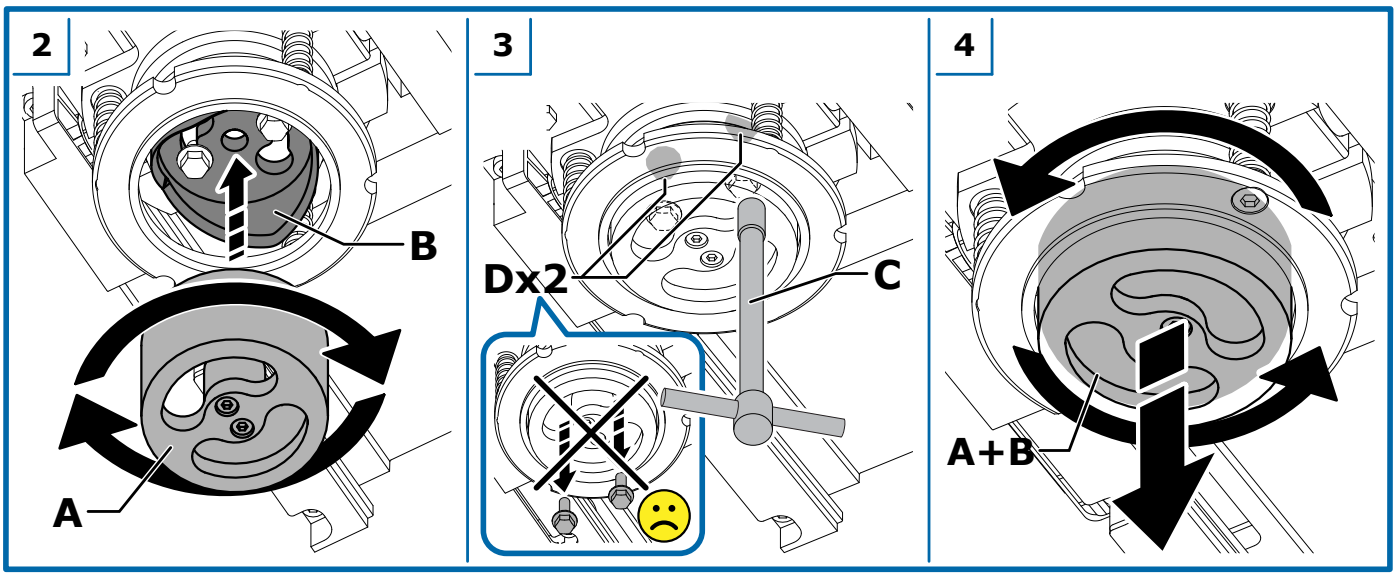


8 mm [0.31”] To remove the puncher



1. Disconnect power supply (chapter Shut-down).
2. Screw tool **A** to puncher **B**.
3. Insert wrench **C** in the tool slots and slightly loosen screws **D** (do not unscrew them completely).
4. Rotate and pull down tool **A**, so as to remove puncher **B**, then separate the puncher from the tool.
5. If necessary, clean the surfaces of the puncher to remove encrusted matter, using a product compatible with the type of bases used in your system. We recommend lubricating the puncher walls with a common, non-contaminant lubricant (ENOTAP or similar).
6. Reassemble the puncher following the above steps in reverse order.
7. Connect power supply and switch on the machine (chapter Electrical connection and start-up).

If the can punching is inadequate because the cutting edge of the puncher is excessively worn, replace the worn puncher.



7.10 Refilling the humidifier bottle

WARNING

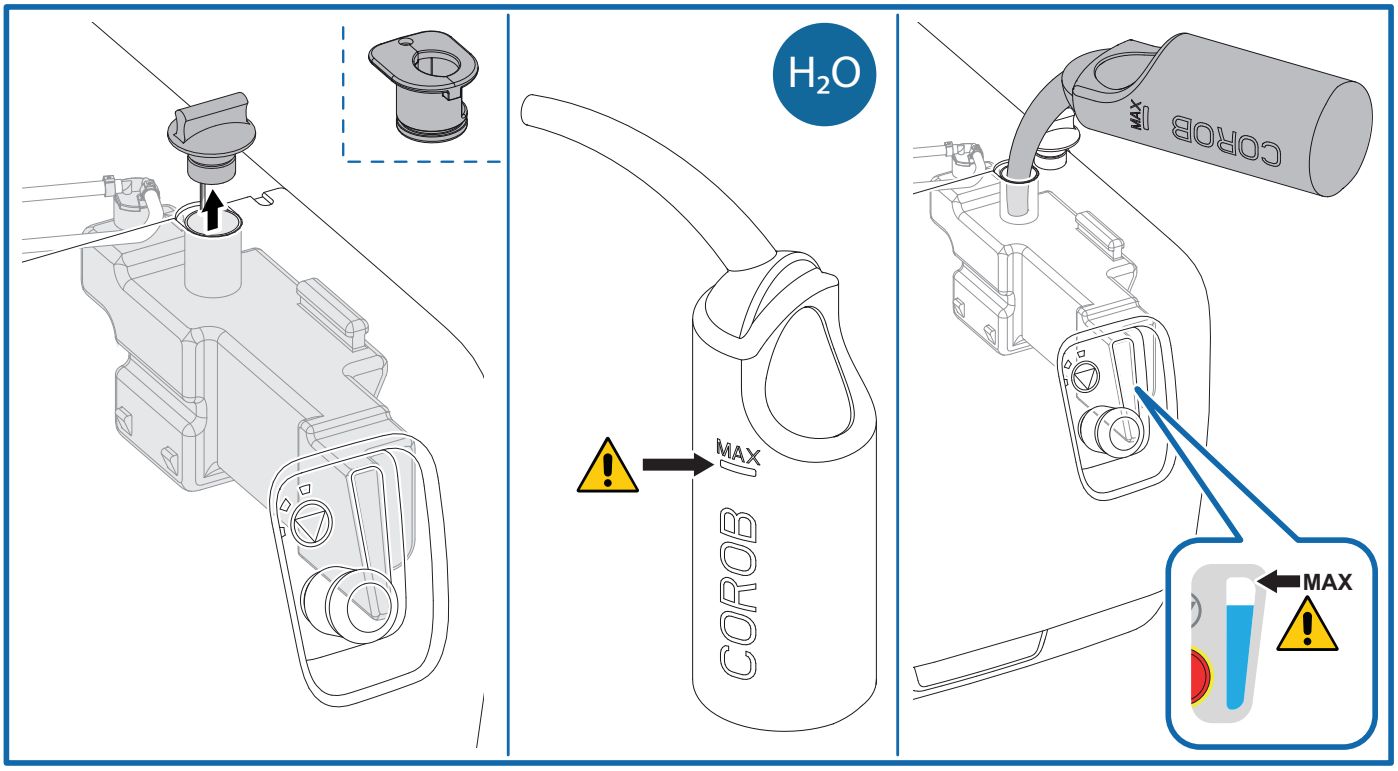
When the water in the bottle reaches the minimum level, fill up immediately.

1. Disconnect power supply (chapter Shut-down).
2. Remove the bottle cap and add water (850 ml / 1.8 Pint maximum), paying attention NOT TO EXCEED THE MAXIMUM LEVEL.

ATTENTION

To reduce the risk of lime encrustations due to hard water, it is recommended to use distilled water

3. Re-place the cap and firmly tighten.
4. Connect power supply and switch on the machine (chapter Electrical connection and start-up).



8 TECHNICAL DATA

8.1 Technical data

Power supply (a)
Single-phase 200 - 240 V~ ± 10% Single phase 127 V~ ± 10% [optional] Single phase 100 - 120 V~ ± 10% [ETL optional] Single phase 200 - 208 V~ ± 10% [ETL optional]
Frequency (a)
50/60 Hz
Fuses (a)
F 10 A
Maximum power consumption (a)
CE, SD [Single Drive]: from 150 to 600 W, based on configuration **CE, CD [CentralDrive]:** Up to 24c: 650 W; >25c: 800 W (for this version, working cycle: intermittent periodic duty 70%) *(see table for machine data in ETL version)*
Noise level (b)
Level of equivalent acoustic pressure: < 70 dB (A)
Operating environmental conditions (c)
Temperature: between 10 °C (50 °F) and 40 °C (104 °F)
Relative humidity: between 5% and 85%, without condensation
Vibrations
The machine does not transmit vibrations to the floor that may compromise the stability and precision of any nearby equipment.
Canister capacities
3 - 4 - 6 - 9 - 15 - 35 litres (3 q - 4 q - 6 q - 9.5 q - 4 G - 9.2 G)
Number of canisters
• [CX] and [SX] up to 24 with EV - up to 32 with INV • [LX] up to 32
Dispensing technology
SD [Single Drive]: bellow, gear or hybrid • Bellow pump BPG: STD 0.25 l/m - HF 0.4 l/m; • Gear pump: STD 0.5 l/m - HF 1.0 l/m - LAB 0.16 l/m **CD [Central Drive]: gear** • Central Driving Pump Gear, size STD 0.5 l/m - HF 1.0 l/m
Maximum flow diameter of nozzle centers (d)

with humidifier cap: • 28 mm (1.1”) [up to 16] • 39 mm (1.5”) [from 17 to 20] • 45 mm (1.8”) [from 21 to 24/32] *with INV:* • 33 mm (1.3”) [up to 16] • 45 mm (1.8”) [from 17 to 32]
Dispensing system
simultaneous
Dispensing center
• [CX] and [SX] internal • [LX] external
Canister type
all-purpose (POM acetalic resin) or stainless steel
Type of colorants
decorative and industrial: water, universal and solvent
Valve types
• electrovalves • INV

(a) Excluding any auxiliary devices connected (machine without optional auxiliary sockets). The power values are indicative and are strictly linked to the machine configuration. The machine serial number label contains the precise value for the specific machine configuration. The maximum possible power value was measured considering the most severe operating conditions.

(b) Value measured in the laboratory and documented in the relative test report, which is available from the manufacturer. Operating conditions: normal machine work cycle under simulated load conditions.

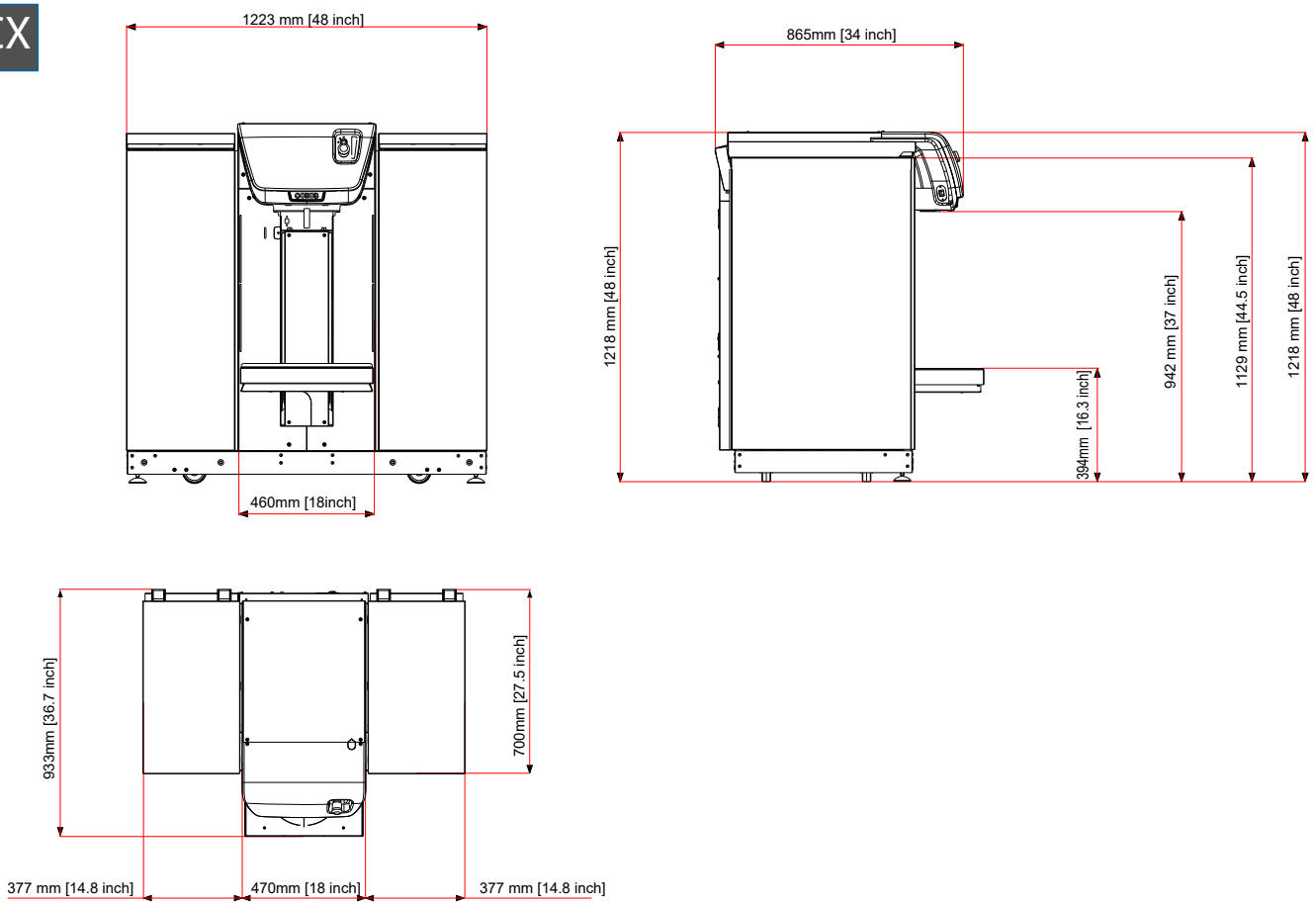
(c) The operating environmental conditions are strictly linked to the colorant types used (ask the product manufacturers for information). The specified values refer to the machine only.

(d) Hole diameters for pre-perforated pails = flow diameter + 15 mm (0.59”). The diameter may also depend on the water/solvent circuit split in the machine.

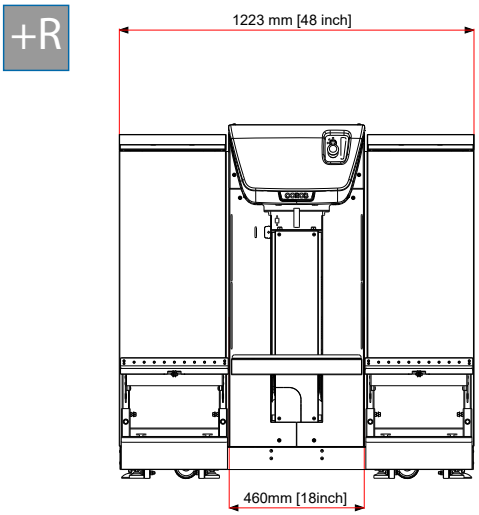
8.2 Dimensions and weight

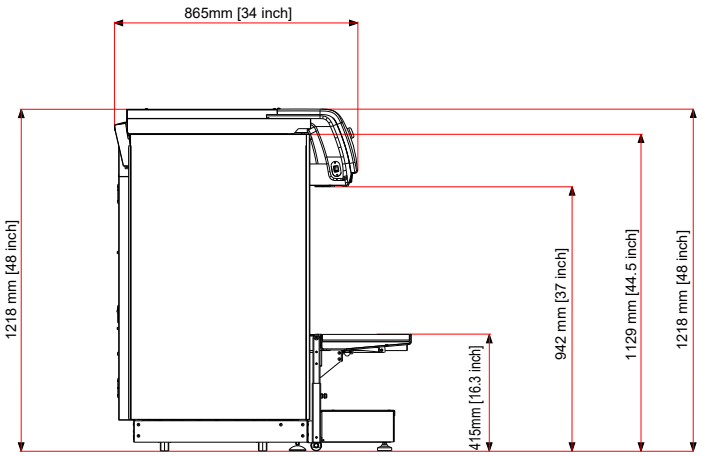
Figures are purely indicative; they depend on the configuration of the machine and are referred to the machine with empty canisters and without accessories.

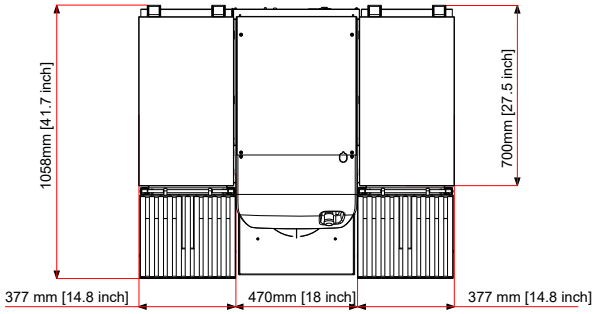
CX



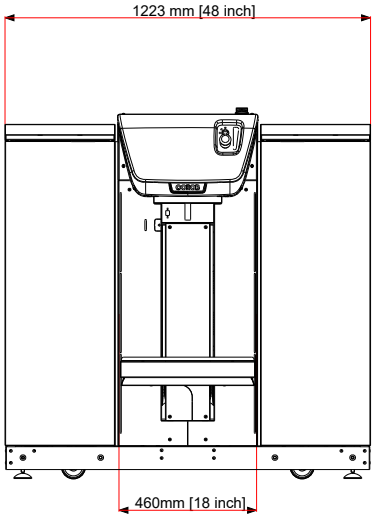
CX +R

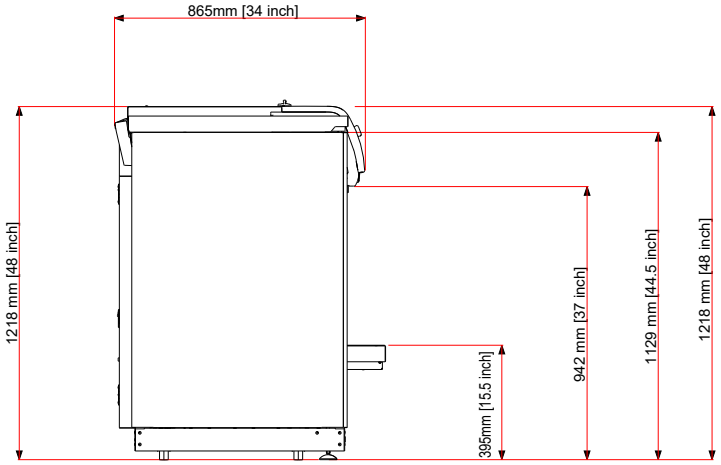

1223 mm [48 inch]
460mm [18inch]

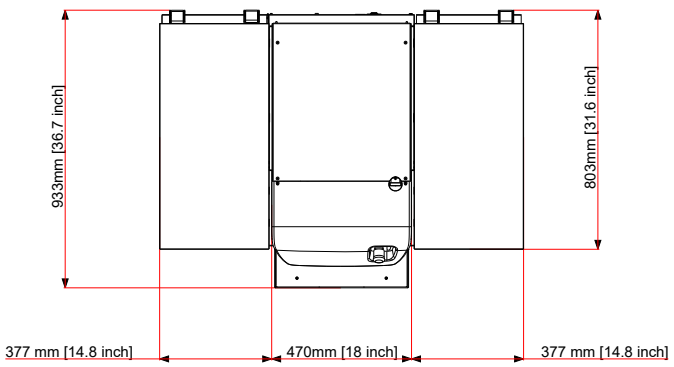

865mm [34 inch]
1218 mm [48 inch]
415mm [16.3 inch]
942 mm [37 inch]
1129 mm [44.5 inch]
1218 mm [48 inch]


1058mm [41.7 inch]
700mm [27.5 inch]
377 mm [14.8 inch]
470mm [18 inch]
377 mm [14.8 inch]

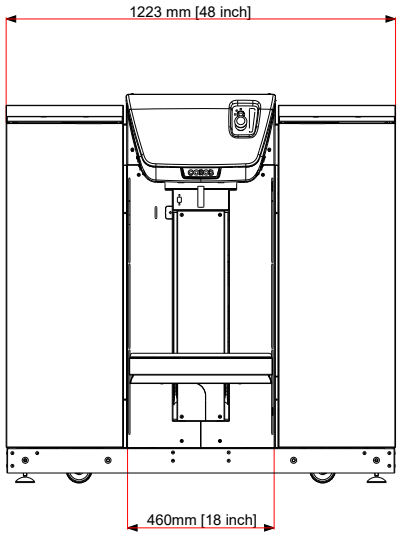
SX

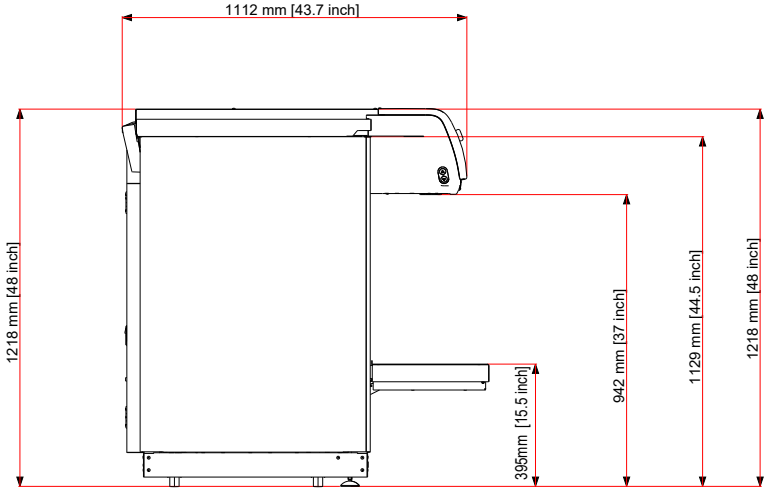

1223 mm [48 inch]
460mm [18 inch]

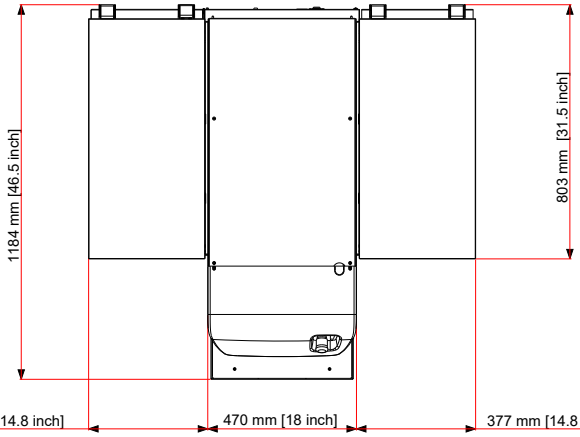

865mm [34 inch]
1218 mm [48 inch]
395mm [15.5 inch]
942 mm [37 inch]
1129 mm [44.5 inch]
1218 mm [48 inch]


933mm [36.7 inch]
803mm [31.6 inch]
377 mm [14.8 inch]
470mm [18 inch]
377 mm [14.8 inch]

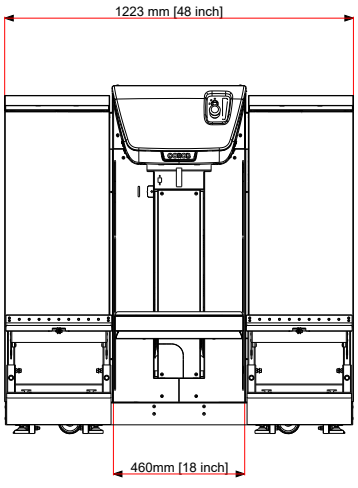
LX

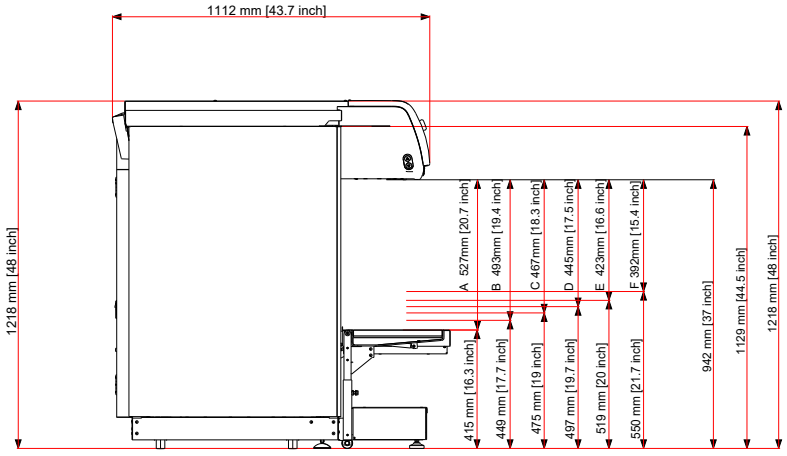

1223 mm [48 inch]
460mm [18 inch]

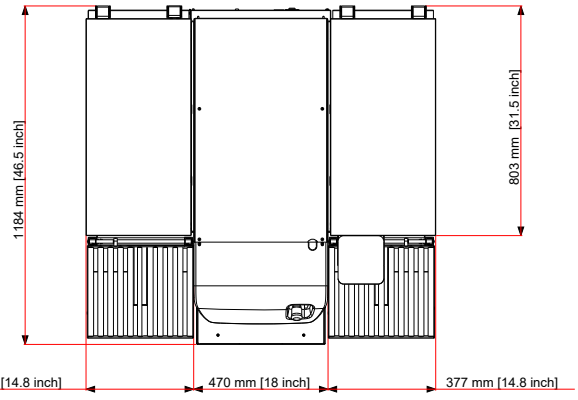

1112 mm [43.7 inch]
1218 mm [48 inch]
395mm [15.5 inch]
942 mm [37 inch]
1129 mm [44.5 inch]
1218 mm [48 inch]


1184 mm [46.5 inch]
803 mm [31.5 inch]
377 mm [14.8 inch]
470 mm [18 inch]
377 mm [14.8 inch]

LX +R


1223 mm [48 inch]
460mm [18 inch]


1112 mm [43.7 inch]
1218 mm [48 inch]
A 527mm [20.7 inch]
B 493mm [19.4 inch]
C 467mm [18.3 inch]
D 445mm [17.5 inch]
E 423mm [16.6 inch]
F 392mm [15.4 inch]
415 mm [16.3 inch]
449 mm [17.7 inch]
475 mm [19 inch]
497 mm [19.7 inch]
519 mm [20 inch]
550 mm [21.7 inch]
942 mm [37 inch]
1129 mm [44.5 inch]
1218 mm [48 inch]


1184 mm [46.5 inch]
803 mm [31.5 inch]
377 mm [14.8 inch]
470 mm [18 inch]
377 mm [14.8 inch]

	CX	SX	LX
	250 kg - 551 lb	260 kg - 573 lb	345 kg - 761 lb
	285 kg - 628 lb	305 kg - 672 lb	402 kg - 886 lb

8.3 Declaration of conformity

corob

CE

Dichiarazione CE di Conformità
EC Declaration of Conformity

Versione linguistica originale in Italiano	*Translation of the original Italian version*
DESCRIZIONE - *DESCRIPTION*	**DISPENSATORE AUTOMATICO** ***AUTOMATIC DISPENSER***
MODELLO - *MODEL*	MATRICOLA - *SERIAL No.*

[MACHINE NAME]

Fabbricante e persona autorizzata a costituire il fascicolo tecnico:
Manufacturer and person authorised to compile the technical file:

COROB S.p.A.

Via Agricoltura, 103 - 41038 San Felice s/P (MO) - Italy

Il fabbricante dichiara sotto la propria esclusiva responsabilità che la macchina alla quale questa dichiarazione si riferisce è conforme ai requisiti essenziali previsti dalle seguenti direttive:

- Direttiva Macchine 2006/42/CE
- Direttiva Compatibilità Elettromagnetica 2014/30/EU
- Direttiva 2011/65/EU come modificata da 2015/863/EU
- Direttiva WEEE 2012/19/EU
- Direttiva 2014/53/EU

The manufacturer certifies, under its own responsibility, that the machine to which this statement refers to, complies with the essential requirements foreseen by the regulations:

- *Machinery Directive 2006/42/EC*
- *Electromagnetic Compatibility Directive 2014/30/EU*
- *Directive 2011/65/EU as amended by 2015/863/EU*
- *WEEE Directive 2012/19/EU*
- *Directive 2014/53/EU*

Si garantisce poi che la progettazione della macchina e la relativa produzione è effettuata, e documentata, seguendo precise procedure aziendali conformi con la norma EN ISO 9001:2015 inerente i sistemi di gestione qualità.

It is furthermore guaranteed that the design of the machine and the relevant manufacturing are carried out, and supported by documents, following accurate factory procedures in accordance with the standard EN ISO 9001:2015 about quality management systems.

[Name and Surname of Special Proxy Holder in charge]
COROB S.p.A.
San Felice sul Panaro, DD/MM/YYYY

FAC-SIMILE

COROB S.p.A. corob.com

con Socio Unico
Società soggetta a direzione e coordinamento da parte di Graco Inc.

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BG - Производителят, който е лицето упълномощено за изготвяне на техническата документация, декларира на собствена изключителна отговорност, че машината, за която се отнася тази декларация, е в съответствие със съществените изисквания, предвидени от следните Директиви: Директива 2006/42/ЕС - Машини - Директива 2014/30/ЕИ относно Електромагнитна съвместимост - Директива 2011/65/ЕИ изменена с 2015/863/ЕИ - Директива WEEE 2012/19/ЕИ - Директива 2014/53/ЕИ. Освен това се гарантира, че проектирането на машината и съответното производство са извършени и документирани при спазване на конкретни фирмени процедури в съответствие със стандарт EN ISO 9001:2015, отнасящ се до системите за управление на качеството.

CS - Výrobce a osoba pověřená sestavením technické dokumentace stvrzují na svou vlastní zodpovědnost, že zařízení, ke kterému se toto toto prohlášení vztahuje, je v souladu se základními požadavky stanovenými následujícími směrnicemi: Směrnice o strojních zařízeních 2006/42/EC - Směrnice o elektromagnetické kompatibilitě 2014/30/EU - Směrnice 2011/65/EU ve znění 2015/863/EU - Směrnice WEEE 2012/19/EU - Směrnice 2014/53/EU. Dále se zaručuje, že stroj byl navržen a vyroben, a výroba je zdokumentována, v souladu s přesnými firemními postupy, které odpovídají normě EN ISO 9001:2015 o systémech řízení jakosti.

DA - Fabrikanten og personen bemyndiget til at udarbejde den tekniske dokumentation erklærer på eget ansvar at maskinen, som denne erklæring henviser til, er i overensstemmelse med de væsentlige krav i de følgende direktiver: Maskindirektivet 2006/42/EC - Direktivet om elektromagnetisk kompatibilitet 2014/30/EU - Direktivet 2011/65/EU som ændret ved 2015/863/EU - Direktivet WEEE 2012/19/EU - Direktivet 2014/53/EU. Det garanteres desuden, at designet af maskinen og den relevante produktionsproces er udført og dokumenteret ifølge præcise fabriksprocedurer i overensstemmelse med standarden EN ISO 9001:2015 vedrørende kvalitetsstyringssystemer.

DE - Der Hersteller und autorisierte Verfasser der technischen Dokumentation erklärt unter eigener exklusiver Verantwortung, dass die Maschine, auf die sich diese Erklärung bezieht, den Grundanforderungen entspricht, die von den folgenden Richtlinien vorgesehen werden: Maschinenrichtlinie 2006/42/EC - Richtlinie zur elektromagnetischen Verträglichkeit 2014/30/EU - Richtlinie 2011/65/EU geändert durch 2015/863/EU - Richtlinie WEEE 2012/19/EU - Richtlinie 2014/53/EU. Darüber hinaus wird garantiert, dass die Planung der Maschine und ihre Herstellung unter Befolgung von genauen Unternehmensprozessen, die der Norm EN ISO 9001:2015 hinsichtlich der Qualitätsmanagement-Systeme entsprechen, durchgeführt und dokumentiert wird.

EL - Ο κατασκευαστής, και ο εξουσιοδοτημένος συντάκτης του τεχνικού φακέλου, πιστοποιεί, ότι, με δική του υπαιτιότητα, το μηχάνημα στο οποίο αναφέρεται το παρόν, συμμορφώνεται με τις ουσιαστικές απαιτήσεις που προβλέπονται από τους κανονισμούς: Οδηγία Μηχανήματος 2006/42/ΕΚ - Οδηγία Ηλεκτρομαγνητικής Συμβατότητας 2014/30/ΕΥ - Οδηγία 2011/65/ΕΥ όπως τροποποιήθηκε από το 2015/863/ΕΥ - Οδηγία WEEE 2012/19/ΕΥ - Οδηγία 2014/53/ΕΥ. Εγγυάται περαιτέρω ότι ο σχεδιασμός του μηχανήματος και η σχετική κατασκευή του εκτελείται και υποστηρίζεται από έγγραφα, ακολουθώντας τις ακριβείς εργοστασιακές διαδικασίες σύμφωνα με το πρότυπο EN ISO 9001:2015 σχετικά με τα συστήματα διαχείρισης ποιότητας.

ES - El fabricante y la persona autorizada para componer el fascículo técnico declara, bajo su propia y exclusiva responsabilidad, que la máquina a la que hace referencia esta declaración guarda conformidad con los requisitos esenciales previstos por las directivas siguientes: Directiva de máquinas 2006/42/EC - Directiva de compatibilidad electromagnética 2014/30/EU - Directiva 2011/65/EU modificada por 2015/863/EU - Directiva WEEE 2012/19/EU - Directiva 2014/53/EU. Se garantiza además que el diseño de la máquina y su producción se han efectuado y documentado de acuerdo con procedimientos de fábrica precisos conformes a la normativa EN ISO 9001:2015 relativa a los sistemas de gestión de calidad.

ET – Tootja ja tehnilise toimiku koostajaks volitatud isik kinnitavad oma täielikul vastutusel, et seade, millele käesolev avaldus viitab, vastab järgnevate regulatsioonide põhinõudmistele: Masinadirektiiv 2006/42/EC - Elektromagnetilise ühilduvuse direktiiv 2014/30/EU - Direktiiv 2011/65/EU muudetud 2015/863/EU-ga - Direktiiv WEEE 2012/19/EU - Direktiiv 2014/53/EU. Peale selle on garanteeritud, et seadme projekteerimisel ja tootmisel on järgitud täpseid tehaseprotseduure, mis vastavad standardile EN ISO 9001:2015 kvaliteedijuhtimissüsteemide kohta, ning et seda toetab ka vastav dokumentatsioon.

FI - Valmistaja ja henkilö, joka on valtuutettu laatimaan teknisen asiakirja-aineisto, vakuuttavat omalla vastuullaan, että kone, johon tämä lausunto viittaa, vastaa seuraavien direktiivien olennaisia vaatimuksia: Konedirektiivi 2006/42/EC - Sähkömagneettista yhteensopivuutta koskeva direktiivi (EMC) 2014/30/EU ja Direktiivi 2011/65/EU sellaisena kuin se on muutettuna direktiivillä 2015/863/EU - Direktiivi WEEE 2012/19/EU - Direktiivi 2014/53/EU. Lisäksi taataan, että koneen suunnittelussa ja valmistelussa ja näiden dokumentoinnissa noudatetaan tehtaan tarkkoja menettelytapoja, jotka täyttävät laadunhallintaa koskevan EN ISO 9001:2015 -standardin vaatimukset.

FR - Le fabricant, et toute personne autorisée à établir le dossier technique, déclare sous sa propre responsabilité que la machine à laquelle se rapporte cette déclaration est conforme aux exigences essentielles prévues par les directives suivantes : Directive Machines 2006/42/EC - Directive Compatibilité Électromagnétique 2014/30/EU - Directive 2011/65/EU telle que modifiée par 2015/863/EU - Directive WEEE 2012/19/EU - Directive 2014/53/EU. Le fabricant garantit également que la conception de la machine, ainsi que sa production, ont été effectuées et documentées, en suivant des procédures d'entreprise précises conformes à la norme EN ISO 9001:2015 relative aux systèmes de gestion qualité.

GA - Dearbhaíonn an déantóir, agus an duine atá údaraithe chun an comhad teicniúil a chur le chéile, ar a fhreagracht féin go bhfuil an gléas a mbaineann an ráiteas seo leis i gcomhréir leis na riachtanais atá leagtha amach sna treoracha seo a leanas: Treoir um Innealra 2006/42/EC - Treoir um Chomhoiriúnacht Leictreamaighnéadach 2014/30/EU - Treoir 2011/65/EU arna leasú le 2015/863/EU - Treoir WEEE 2012/19/EU - Treoir 2014/53/EU. Deimhnítear freisin go bhfuil dearadh an ghléis agus a dhéantús déanta, agus doiciméadaithe, de réir gnásanna beachta an chomhlachta atá i gcomhréir leis an riail EN ISO 9001:2015 a bhaineann le córais bainistíochta cáilíochta.

HR - Proizvođač, i osoba ovlaštena za sastavljanje tehničke dokumentacije, izjavljuje pod svojom punom odgovornošću da je stroj na koji se odnosi ova izjava sukladan bitnim zahtjevima slijedećih direktiva: Direktive o strojevima 2006/42/EC - Direktive o eklektromagnetskoj kompatibilnosti 2014/30/EU - Direktive 2011/65/EU izmijenjena i dopunjena 2015/863/EU - Direktive WEEE 2012/19/EU - Direktive 2014/53/EU. Također, jamči se da su projektiranje stroja i njegova proizvodnja izvedeni i dokumentirani sljedeći precizne tvorničke procedure sukladne normi EN ISO 9001:2015 o sustavima upravljanja kvalitetom.

HU - A gyártó, valamint a műszaki füzet összeállítására felhatalmazott személy saját felelősségük tudatában kijelentik, hogy a jelen nyilatkozat tárgyát képező gép megfelel az alábbi irányelvek alapvető rendelkezéseinek: 2006/42/EC Gépek irányelv - 2014/30/EU Elektromágneses kompatibilitás irányelv - 2011/65/EU irányelv, módosításssal módosított 2015/863/EU irányelv - WEEE 2012/19/EU irányelv - 2014/53/EU irányelv. A gyártó garantálja továbbá, hogy a gép tervezése, kivitelezése, valamint a folyamat dokumentálása az üzemi előírások precíz betartásával történt, a minőségkezelési rendszerekkel foglalkozó EN ISO 9001:2015 szabványnyal összhangban.

IS - Framleiðandinn, og einstaklingurinn sem hefur heimild til að taka saman tækniskjölin, vottar, á eigin ábyrgð, að vélin sem vísað er til í þessari yfirlýsingu, sé í samræmi við þær grunnkröfur sem gert er ráð fyrir í eftirfarandi reglugerðum: Vélatilskipun 2006/42/EC - Tilskipun um rafsegulsviðssamhæfi 2014/30/EU - Tilskipun 2011/65/EU eins og henni var breytt með 2015/863/EU - Tilskipun WEEE 2012/19/EU - Tilskipun 2014/53/EU. Ennfremur er ábyrgst að hönnun vélarinnar og tengd framleiðsla fer fram, og er það skjalfest, í samræmi við nákvæmt framleiðsluferli og í samræmi við EN ISO 9001:2015 staðalinn um gæðastjórnunarkerfi.

LT - Gamintojas ir asmuo įgaliotas sudaryti techninę dokumentaciją, savo atsakomybe pareiškia, kad staklės, kurioms skirta ši deklaracija, atitinka esminius šių direktyvų reikalavimus: Mašinų direktyva 2006/42/EC - Elektromagnetinio suderinamumo direktyva 2014/30/EU - Direktyva 2011/65/EU su pakeitimais, padarytais 2015/863/EU - Direktyva WEEE 2012/19/EU - Direktyva 2014/53/EU. Taip pat užtikrinama ir dokumentais patvirtinama, kad staklės buvo sukurtos ir pagamintos tiksliai laikantis gamybos reikalavimų pateiktų EN ISO 9001:2015 standarte, dėl kokybės valdymo sistemų.

LV - Ražotājs un persona, kas ir pilnvarota sastādīt tehnisko dokumentāciju, apliecina uz savu atbildību, ka mašīna, uz kuru šī deklarācija attiecas, atbilst šādu direktīvu: pamatprasībām Mašīnu Direktīva 2006/42/EC - Elektromagnētiskās saderības Direktīva 2014/30/EU - Direktīva 2011/65/EU grozīta ar 2015/863/EU pantu - Direktīva WEEE 2012/19/EU - Direktīva 2014/53/EU. Tiek arī nodrošināts, ka mašīnas dizains, pēc precīziem biznesa procesiem atbilst standarta EN ISO 9001:2015 prasībām attiecībā uz vadības sistēmu kvalitāti.

MT - Il-manifattur, u l-persuna awtorizzata biex tikkompila l-fajl tekniku jiddikjaraw taħt ir-responsabbiltà tagħhom stess li l-magna li għaliha qed issir din id-dikjarazzjoni hija konformi għar-rekwiżiti essenzjali previsti mid-direttivi li ġejjin: Direttiva dwar il-Magni 2006/42/EC - Direttiva dwar il-Kompatibilità Elettromanjetika 2014/30/EU - Direttiva 2011/65/EU kif emendata b'2015/863/EU - Direttiva WEEE 2012/19/EU - Direttiva 2014/53/EU. Dan jiżgura wkoll li d disinn tal magna u l-produzzjoni tagħha jsiru, u jiġu ddokumentati wara proċessi tan-negozju preċiżi li huma konformi ma' EN ISO 9001:2015 dwar is-sistemi ta' ġestjoni tal-kwalità.

NL - De fabrikant en gemachtigde voor het samenstellen van het technisch dossier verklaart dat het betreffende toestel voldoet aan de toepasselijke fundamentele voorschriften van de volgende richtlijnen: Machinerichtlijn 2006/42/EC - EMC-richtlijn 2014/30/EU - Richtlijn 2011/65/EU zoals gewijzigd bij 2015/863/EU - Richtlijn WEEE 2012/19/EU - Richtlijn 2014/53/EU. Verder wordt gegarandeerd dat het ontwerp en de productie van het toestel werd gedocumenteerd en geïmplementeerd volgens de vereisten van de norm EN ISO 9001:2015 voor kwaliteitsmanagementsystemen.

NO - Produsenten og den personen som er autorisert til å utstede den tekniske dokumentasjonen, erklærer under eget ansvar, at den maskinen denne erklæringen viser til, er i samsvar med de grunnleggende kravene som fremsettes i følgende direktiv: Maskindirektivet 2006/42/EC - Direktivet om elektromagnetisk kompatibilitet 2014/30/EU - Direktiv 2011/65/EU som endret ved 2015/863/EU - Direktiv WEEE 2012/19/EU - Direktiv 2014/53/EU. Det garanteres videre at utformingen av maskinen og den påfølgende framstillingen er blitt utført og dokumentert etter spesifikke prosedyrer for selskapet, i samsvar med regelverket NS-EN ISO 9001:2015 om ledelsessystem for kvalitet.

PL - Producent oraz osoba upoważniona do sporządzenia dokumentacji technicznej zaświadczają na własną, wyłączną odpowiedzialność, że maszyna, której dotyczy niniejsza deklaracja, jest zgodna z zasadniczymi wymaganiami przewidzianymi w następujących dyrektywach: Dyrektywa Maszynowa 2006/42/EC - Dyrektywa Kompatybilności Elektromagnetycznej 2014/30/EU - Dyrektywa 2011/65/EU zmieniona przez 2015/863/EU - Dyrektywa WEEE 2012/19/EU - Dyrektywa 2014/53/EU. Ponadto gwarantuje się, że fazy projektowania oraz produkcji maszyny zostały przeprowadzone oraz są udokumentowane według dokładnych procedur zakładowych, zgodnych z normą EN ISO 9001:2015, dotyczącą systemów zarządzania jakością.

PT - O Fabricante e a pessoa autorizada a preencher o documento técnico declaram, à sua inteira e exclusiva responsabilidade, que a máquina a que se refere esta declaração está em conformidade com os requisitos essenciais estabelecidos pelas seguintes diretivas: Diretiva Máquinas 2006/42/EC - Diretiva Compatibilidade Eletromagnética 2014/30/EU - Diretiva 2011/65/EU alterada pela 2015/863/EU - Diretiva WEEE 2012/19/EU - Diretiva 2014/53/EU. É também garantido que a conceção e produção da máquina são efetuadas e documentadas de acordo com procedimentos empresariais específicos em conformidade com a norma EN ISO 9001:2015 relativa aos sistemas de gestão da qualidade.

RO - Fabricantul şi persoana autorizată pentru realizarea dosarului tehnic declară pe propria răspundere că maşina la care se referă prezenta declaraţie se conformează cerinţelor esenţiale prevăzute de următoarele directive: Directiva 2006/42/EC Maşini - Directiva 2014/30/EU Compatibilitatea electromagnetică - Directiva 2011/65/EU astfel cum a fost modificat de 2015/863/EU - Directiva WEEE 2012/19/EU - Directiva 2014/53/EU. Se garantează, de asemenea, că proiectarea maşinii şi producţia acesteia, documentate corespunzător, se efectuează cu respectarea unor proceduri de întreprindere specifice, conforme cu standardul EN ISO 9001:2015 aferent sistemelor de management al calităţii.

SK - Výrobca a osoba poverená vypracovaním technickej dokumentácie na vlastnú zodpovednosť prehlasujú, že stroj, na ktorý sa toto prehlásenie vzťahuje, je v súlade so základnými požiadavkami, ktoré vyžadujú nasledujúce smernice: Smernica o strojných zariadeniach 2006/42/EC - Smernica o elektromagnetickej kompatibilite 2014/30/EU - Smernica 2011/65/EU zmenená a doplnená 2015/863/EU - Smernica WEEE 2012/19/EU - Smernica 2014/53/EU. Ďalej sa zaručuje, že stroj bol navrhnutý a vyrobený, a výroba je zdokumentovaná, v súlade s presnými firemnými postupmi, ktoré zodpovedajú norme EN ISO 9001:2015 o systémoch riadenia kvality.

SL - Proizvajalec in oseba, pooblaščena za sestavo tehničnega dokumenta, s polno odgovornostjo izdaja potrdilo, da je stroj, predmet te izjave, izdelan v skladu z osnovnimi zahtevami, kot jih določajo predpisi: Direktiva o strojih 2006/42/EC - Direktiva o elektromagnetni združljivosti 2014/30/EU - Direktiva 2011/65/EU kakor je bila spremenjena z 2015/863/EU - Direktiva WEEE 2012/19/EU - Direktiva 2014/53/EU. Jamčimo tudi za obliko sistema in predmetno izdelavo, pri katerih smo opravili postopke in pripravili ustrezno dokumentacijo v skladu z ustrezno tovarniško prakso in predpisom EN ISO 9001:2015, ki velja za sisteme zagotavljanja kakovosti.

SV - Tillverkaren och den person som har befogenhet att sammanställa den tekniska dokumentationen intygar, på eget ansvar, att maskinen denna försäkran hänvisar till överensstämmer med de väsentliga krav som ställs av följande direktiv: Maskindirektivet 2006/42/EC - Direktivet om elektromagnetisk kompatibilitet 2014/30/EU - Direktivet 2011/65/EU ändrat genom 2015/863/EU - Direktivet WEEE 2012/19/EU - Direktivet 2014/53/EU. Det garanteras vidare att utformningen av maskinen och därtill hörande tillverkning genomförs dokumenterat, i enlighet med exakta fabriksföreskrifter som följer standard EN ISO 9001:2015 om system för kvalitetsstyrning.

TR - Üretici ve teknik dosyayı oluşturmakla görevli kişi bu beyanın ilgili olduğu makinenin, aşağıdaki direktifler tarafından öngörülen temel gerekliliklere uygun olduğunu kendi sorumluluğu altında beyan eder: 2006/42/EC Makine Direktifi - 2014/30/EU Elektromanyetik Uyumluluk Direktifi - 2015/863/EU tarafından değiştirilen 2011/65/EU sayılı Direktif - WEEE 2012/19/EU Direktifi - 2014/53/EU Direktifi. Bundan başka, makinenin tasarım ve ilgili üretimi, kalite yönetim sistemlerine ilişkin EN ISO 9001:2015 standardına uygun kesin işletme prosedürlerinin izlenmesi yoluyla gerçekleştirilmesi ve belgelendirilmesi sağlanır.

FAC-SIMILE

COROB S.p.A.

corob.com

con Socio Unico
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C.F./P.I./R.I. Modena 03754020968
Cap. Soc. € 12.150.000 i.v.
R.E.A. MO 343030

corob

UK CA

UK Declaration of Conformity

Description	**AUTOMATIC DISPENSER**
Model	**[MACHINE NAME]**
Serial Number	
Manufacturer:	**COROB S.p.A.** **Via Agricoltura, 103 - 41038 San Felice s/P (MO) – Italy**

The manufacturer certifies, under its own responsibility, that the machine to which this statement refers to, complies with the relevant statutory requirements applicable to the specific machine:

- **The Supply of Machinery (Safety) Regulations 2008 (S.I. 2008:1957)**
- **The Electrical Equipment (Safety) Regulations 2016 (S.I. 2016:1101)**
- **The Electromagnetic Compatibility Regulations 2016 (S.I. 2016:1091)**
- **The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012 No. 3032)**
- **The Waste Electric and Electronic Equipment (WEEE) Regulations 2013**
- **The Radio Equipment Regulations 2017 (S.I. 2017:1206)**

[Name and Surname of Special Proxy Holder in charge]
COROB S.p.A.
San Felice sul Panaro, DD/MM/YYYY

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8.4 Warranty

In order for the warranty to be valid, please complete the form included in the machine packing, and send it to the address listed on the form itself.

ATTENTION

Contact our authorized and qualified personnel only for all your service needs. Use only original spare parts for all maintenance and replacement interventions.

Altering or removing the guards and safety devices provided on the machine will not only void the warranty immediately, but is also dangerous and illegal.

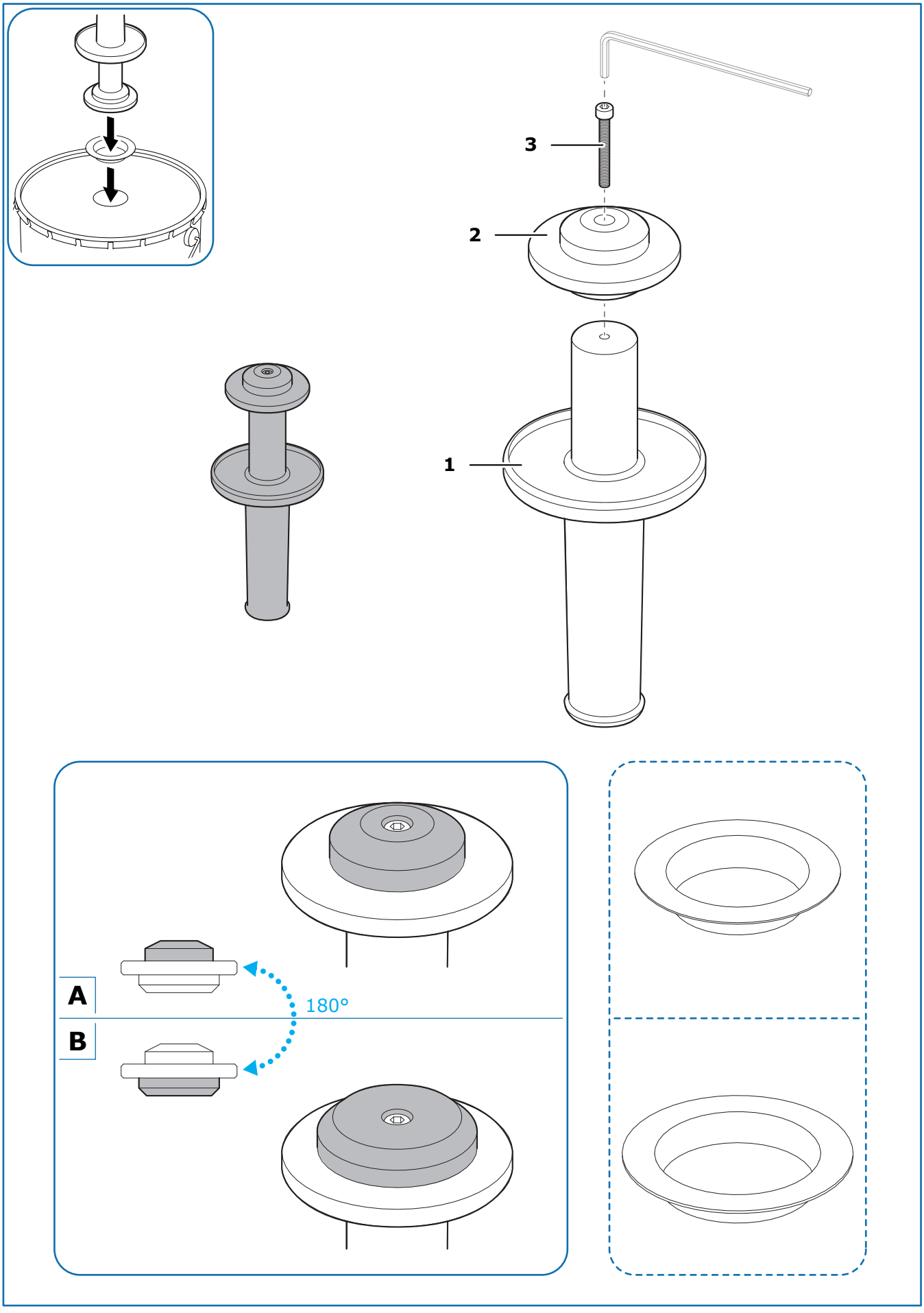
The manufacturer may not be held liable for personal injury or property damage caused by improper use of the equipment or tampering with the guards and safety devices installed on the machine.

The following shall **void the manufacturer's warranty**:

- Improper use of the machine.
- Failure to observe the instructions and maintenance rules set forth in the manual.
- Making or having changes and/or repairs made on the machine by personnel outside the service organization authorized by the manufacturer and/or made using non-original spare parts.

9 ASSEMBLY INSTRUCTIONS

9.1 Manual plugger



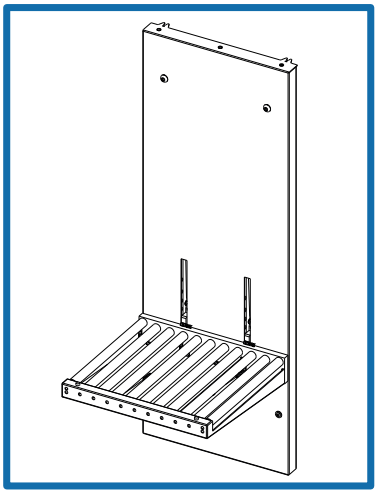
10 SPECIAL CONFIGURATIONS

10.1 Tipping panel roll conveyor system

This configuration is only available for the [LX] machine version

An optional system made up of tipping panel roll conveyors is available to facilitate the loading cans; the conveyors are fixed to the front panels of the machine and allow heavy cans to be eased a far as the shelf.

The roll conveyor has several adjusting heights, that can be adjusted manually by the operator.

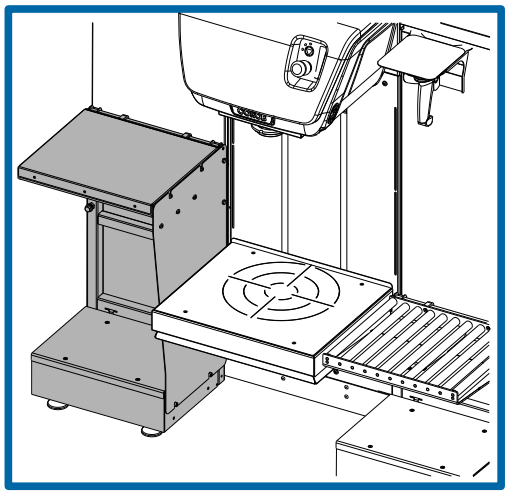


10.2 Working Table

This configuration is only available for the [LX] machine version

The working table is mounted frontally on the canister module and facilitates the loading of heavy cans on the shelf. The work surface is made of stainless steel plate. It also features a step that makes canister refilling operations easier for the operator. The working table has several adjusting heights: standard height is 700 mm [24.5”], table height adjustment is +/- 40 mm [+/- 1.57”].

It can be mounted on the left or right side of the machine.

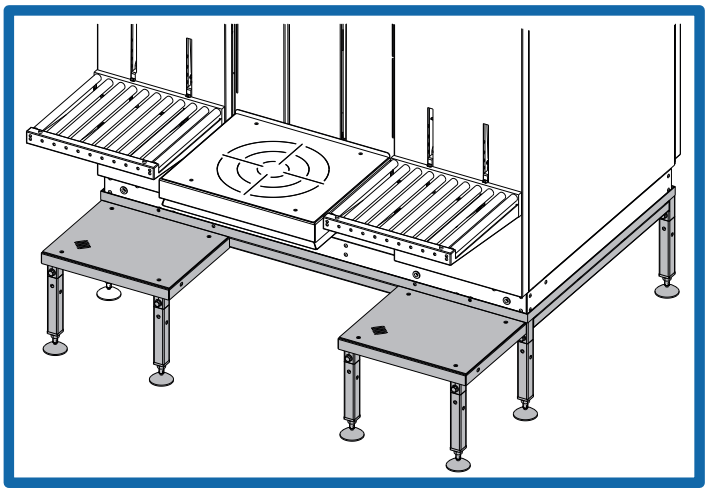


10.3 Riser

This configuration is only available for the [LX] machine version

The riser is a raised base that allows the machine to be raised by 280 mm [11.02”].

Steps are attached to the riser according to the number of modules of the machine. The steps allow the operator to carry out refilling more easily.



11 SUPPORT ASSEMBLY INSTRUCTIONS

Installation must be carried out only by qualified personnel.

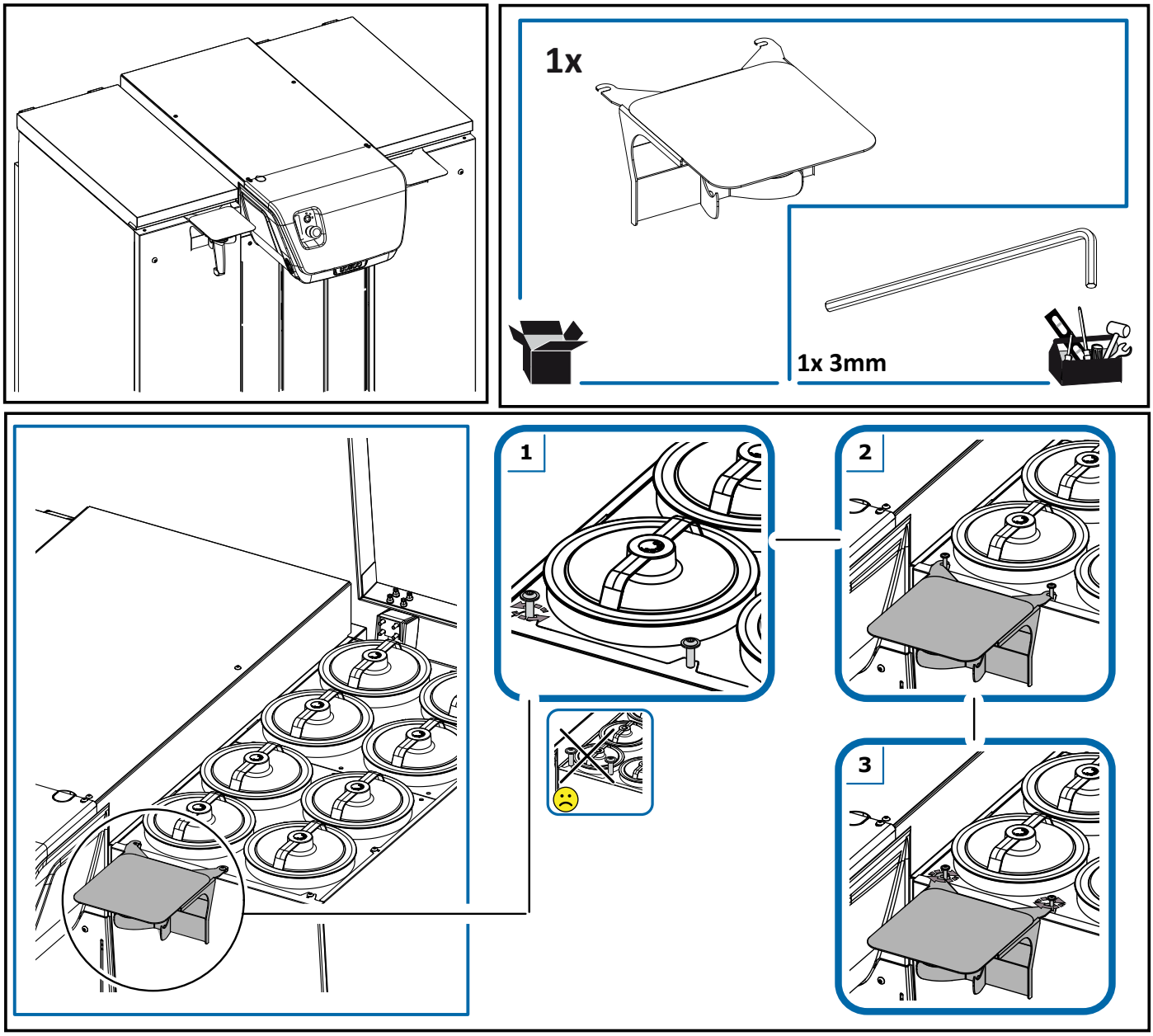
Personnel in charge of these operations must wear the following personal protective equipment:

MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

11.1 Mouse support assembly instructions

ATTENTION

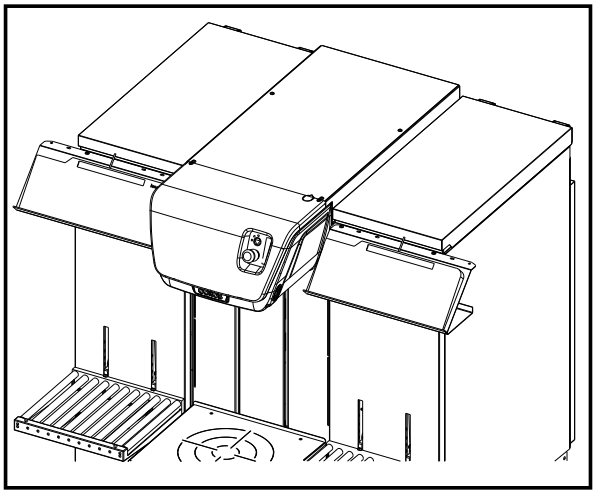
Do not place any objects other than mouse on top of the support kit.

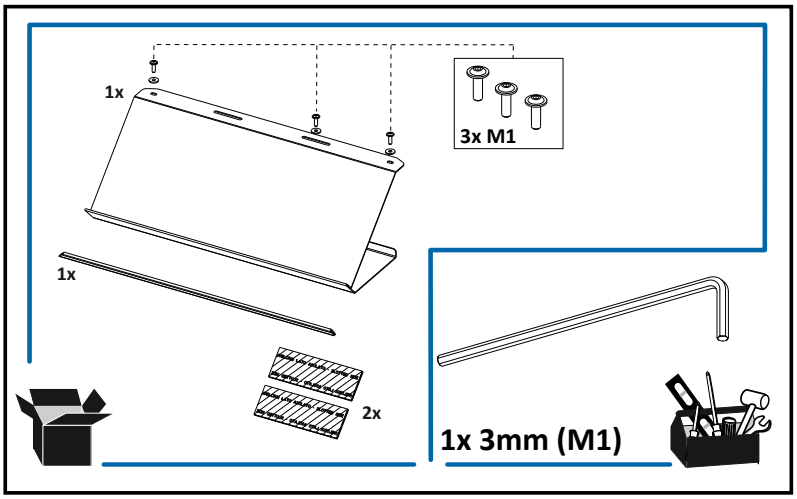


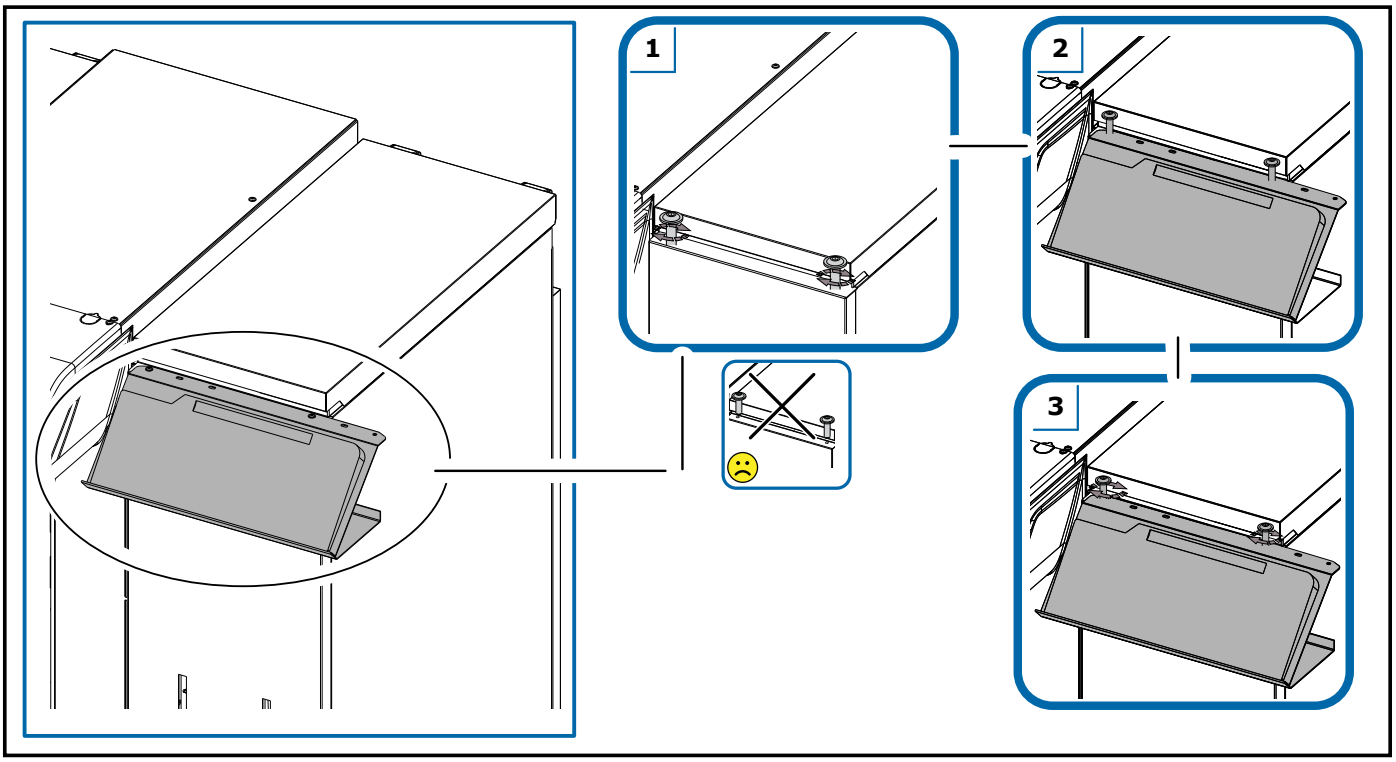
11.2 Keyboard support assembly instructions

NOTE

The two brackets that are present on the sides of the support allow the operator to adjust the support to the desired width.







11.3 Touchscreen support assembly instructions

