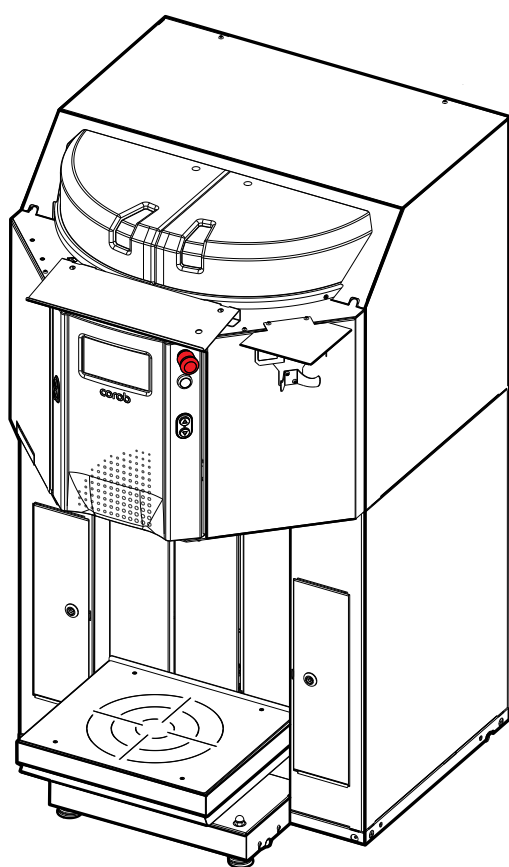


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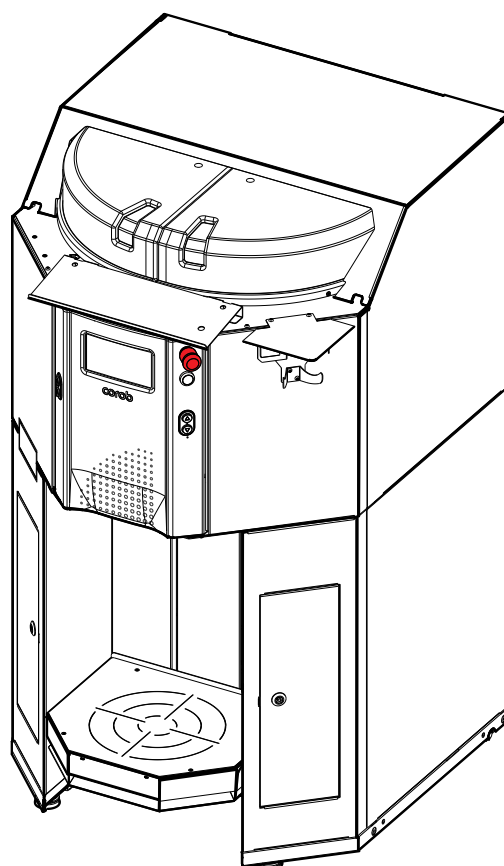
T400 - T300

Automatic dispenser

User's Manual



T400



T300



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This manual contains all information necessary for the foreseeable and normal use of the COROB products by the final user.

The manual does not contain guidelines and/or information for product repair. For safety reasons, only trained and authorised technical personnel should perform such interventions. Failure to do so may result in personal injury or damage to the product.

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The final user can ask COROB or visit the web site www.corob.com for contact details about the nearest authorized technical service.

QUICK GUIDE

At the beginning of the working day

- Check that the machine in general is clean.
- Check the conditions of the cleaning brush unit; if necessary, clean and fill the brush container using 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 Puncher) Check the cutting tool is clean

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.

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.

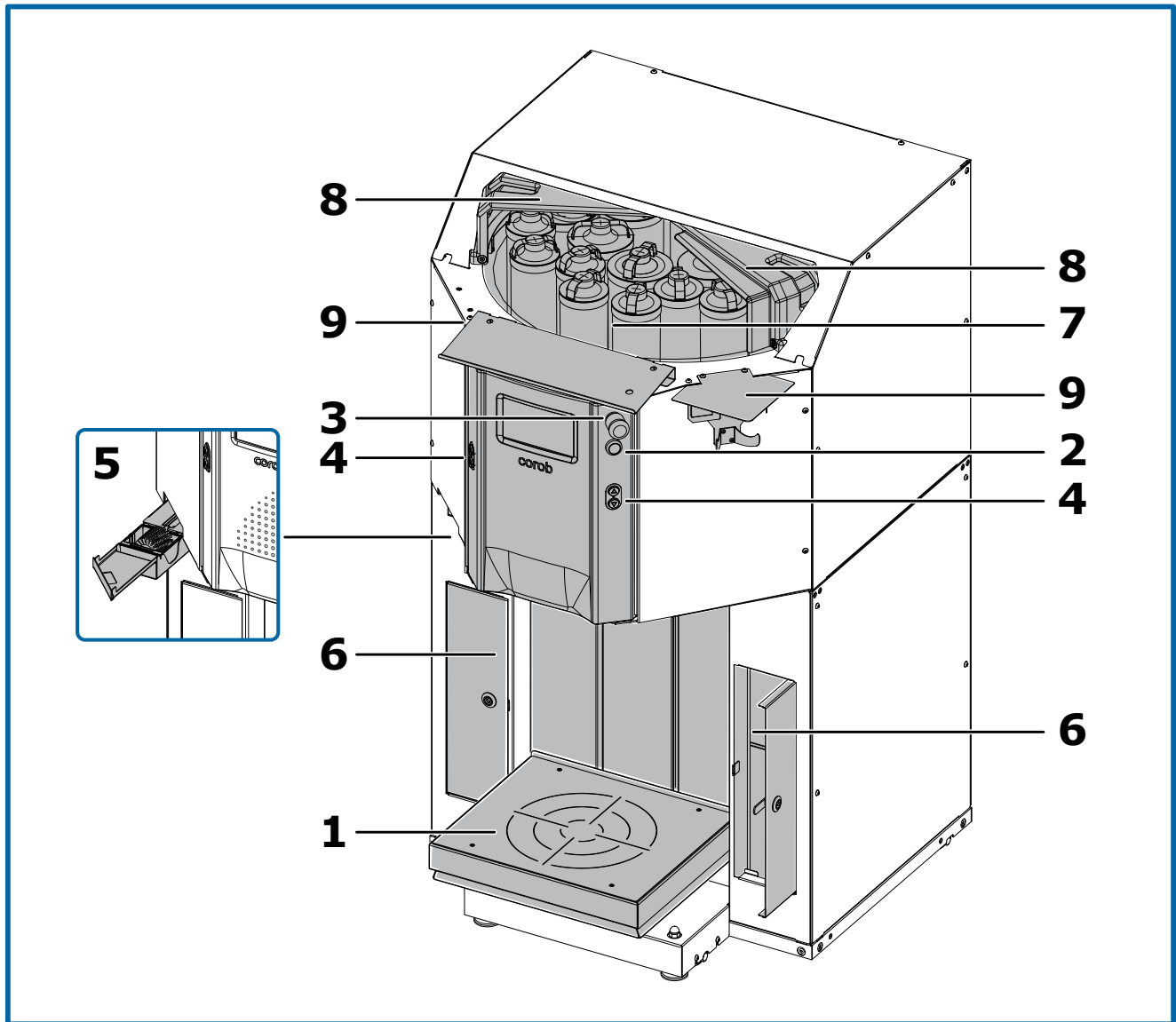
2 PROPERTIES

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 colour, 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 model T400 is certified as ETL Standard compliant.



The machine features a semiautomatic shelf.

As an optional, only with semiautomatic shelf, a punching device is available.

The dispenser consists of:

1. Dispensing and service area in which the cans are placed.
2. Off-line button and LED light bars.
3. Emergency stop button.
4. Buttons to control the shelf and puncher.
5. Cleaning brush drawer.
6. Seating compartments (max dimensions of PC case: L500xD250xH400 mm, position in the right seating).
7. Canister filling zone.
8. Canister top access cover.

9. Supports for keyboard and mouse (max size of keyboard: L450xD155 mm). L450xD155 mm).

The dispenser is managed by the management computer or a mobile device (tablet, mobile phone).

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.

The connection between the device where the dispensing software is installed and the machine is automatic.

The manufacturer provides a wide range of software applications for managing all of the machine functions.

On the dispenser, it comes in addition to the machine management computer or mobile device.

If the computer is positioned in an area not easily accessible by the operator, the **Easy-On** function allows to turn on the computer using the off-line button (chapter [Off-line button](#)).

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

2.2 Description of units

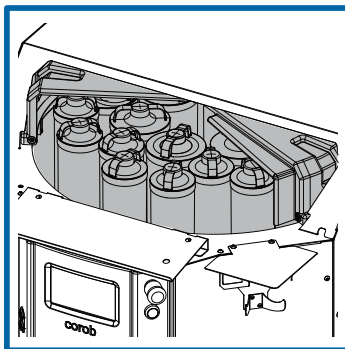
Canisters

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

The cover in the upper part of the machine provides access for filling the canisters.

Each canister is closed with a lid.

Opening the cover stops all the dangerous movements of the machine. The machine enters off-line mode, the timed processes are interrupted, but slow movement of the turntable is allowed only for the canister refilling procedure (see chapter [Refilling the canisters](#)).



Turntable

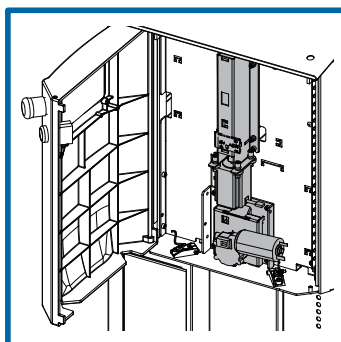
The turntable is a rotating structure that houses the canisters and the corresponding dispensing groups with piston pump.

The management program moves automatically the turntable, in both directions, during the dispensing stage, bringing the circuit involved in the dispensing operation to the front position. The turntable is also automatically moved to carry out the timed processes of the machine.

Dispensing nozzle and pump/valve manipulator group

Each circuit is equipped with a dispensing nozzle, from which the tinting product to fill the can is dispensed.

A mechanical group placed frontally, in the dispensing area, operates the piston pump and open and closes the dispensing valve.



Shelf

The can shelf allows for the correct positioning of the can under the dispensing nozzle. A sensor checks the presence of the can positioned on the shelf.

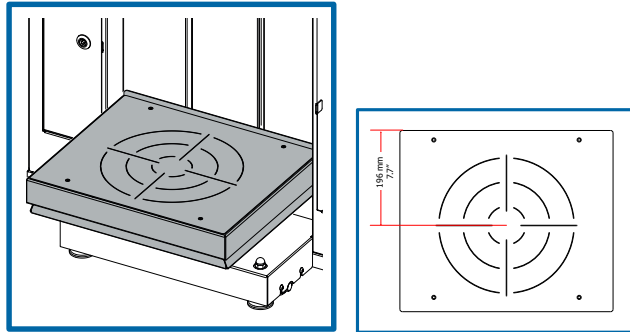
T300 only: The **manual shelf** is fixed to the machine and can be raised or lowered by the operator. The shelf is provided with a locking handle that must be pulled to release the shelf and allow it to be moved to the desired height.

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

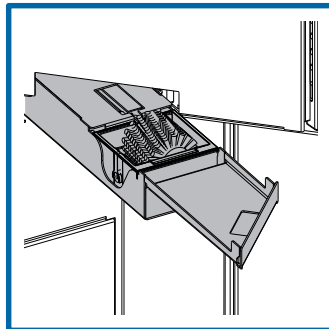
If available, the SDM (Smart Descent Module) feature allows the semi-automatic shelf to lower automatically after each dispensing, without the need to press any buttons. The movement is safely controlled by the lower position sensor and the safety plate.

It is also possible to configure a preferred position to which the shelf automatically lowers at the end of the dispensing.

The shelf is equipped with a sheet metal plate with centering rings, useful for positioning pre-punched cans right under the dispensing nozzle.



Nozzle cleaning brush



Motorized cleaning

The brush operates automatically at each rotation of the turntable in order to clean the dispensing nozzle of each circuit. The brush is in a container of cleaning fluid.

During the cleaning process, the brush rotates and the bristles wipe the nozzle of the circuit brought to the cleaning position.

Sensor

The brush housing drawer is equipped with a sensor that detects whether the drawer is closed or open.

If the cleaning brush drawer is opened during dispensing, dispensing is interrupted and an anomaly is detected. The LED bars light up solid magenta.

It will not be possible to continue with a subsequent dispensing or nozzle cleaning process without first closing the brush drawer.

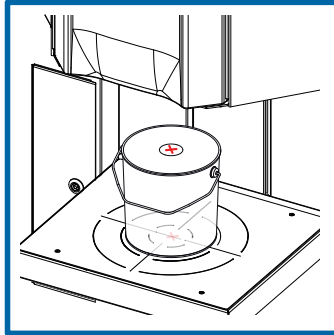
As long as the drawer remains open, the turntable cannot be moved.

With the drawer open, or with the brush container removed, the dispensing or the cleaning process are prevented.

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.

The laser device is Class 1. The beam of this type of device is considered harmless because the radiation emitted is always lower than the maximum permitted standards. However, it is recommended not to stare the light source.



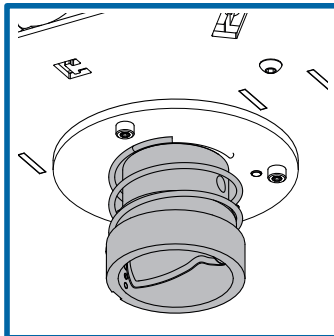
Puncher

The puncher is a device that perforates the can lid.

Punching is carried out by the operator by pushing contemporaneously the semiautomatic shelf activation buttons (two-handed control).

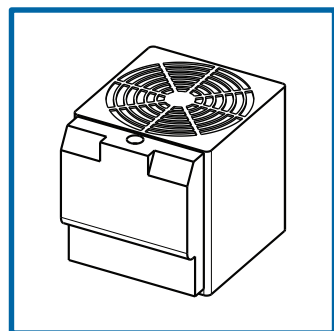
The shelf upward movement pushes the can resting on it against the puncher, and with a downward movement brings it to the correct position for dispensing.

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



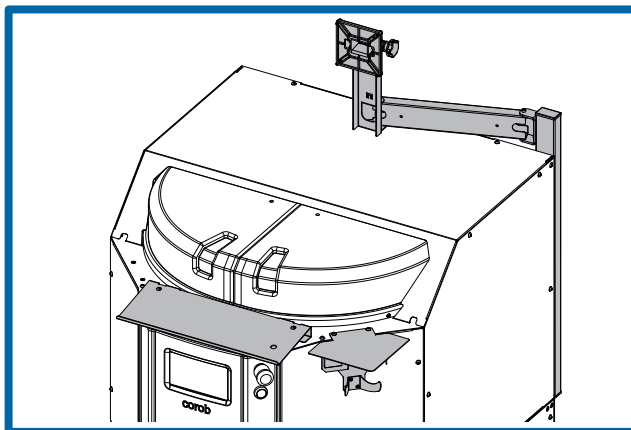
Heater [optional]

The heater is a device that evenly distributes hot air inside the machine. It activates when the temperature drops under a certain value, detected by a sensor.



Supports for keyboard, mouse, barcode reader, monitor

The supports are designed to accommodate devices as monitor, keyboard, mouse and any barcode reader.



2.3 Usable cans

	35 kg 77 lb
---	----------------

Shelf	Semiautomatic	
		With puncher
	500 mm [19.7"]	479 mm [18.8"]
	90 mm [3.54"]	85 mm [3.35"]
	 390 mm [15.35"]  330 mm [13"]  390 mm [15.35"]	
	60 mm [2.36"]	110 mm [4.33"]

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.



NOTE

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.
- 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.
- Do not put your hands into the lower storage compartment dedicated to PC and other objects.
- Hands should be inserted in the dispensing area only to load and unload the can from the machine.
- Do not place objects under the machine shelf (risk of damaging the machine).



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.

The MSDS also includes information on the product's flash point, which is specific to the product being used and does not depend on the machine.

To avoid the risk of fire or explosion, the operating conditions and environment of the machine must ensure that the flash point is not exceeded.

During normal operation, the machine does not generate additional heat that could raise the product's flash point.

If an internal heater is also present, take particular attention to not exceed the flash point of the products used and always consult the relevant MSDS before use.

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 defined by the standards applicable in the country of use.	
In Europe the ISO reference values are: (25 kg/55 lb man, 15 kg/33 lb woman).	
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 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 - Ordinary 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 fire or 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. If flammable liquids are being dispensed, respect the environment working conditions indicated in chapter Requirements of the installation site.	
Re. in the manual	
ch. Intended use and misuse ch. Ordinary maintenance	
Risk	
	Risk of burning - (maintenance phase) The heater, which is installed inside the machine, if touched may be hot (max. 70 °C - 158 °F).
Preventive measure & P.P.E.	
When the maintenance technician accesses the internal area of the machine the heater switches off but, being possible to reach it, a potential risk of burning remains. Wait a few minutes before touching the heater.	
	THERMAL RISK PROTECTION GLOVES (BURNING)
Re. in the manual	
ch. Ordinary maintenance	

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 - Ordinary maintenance	

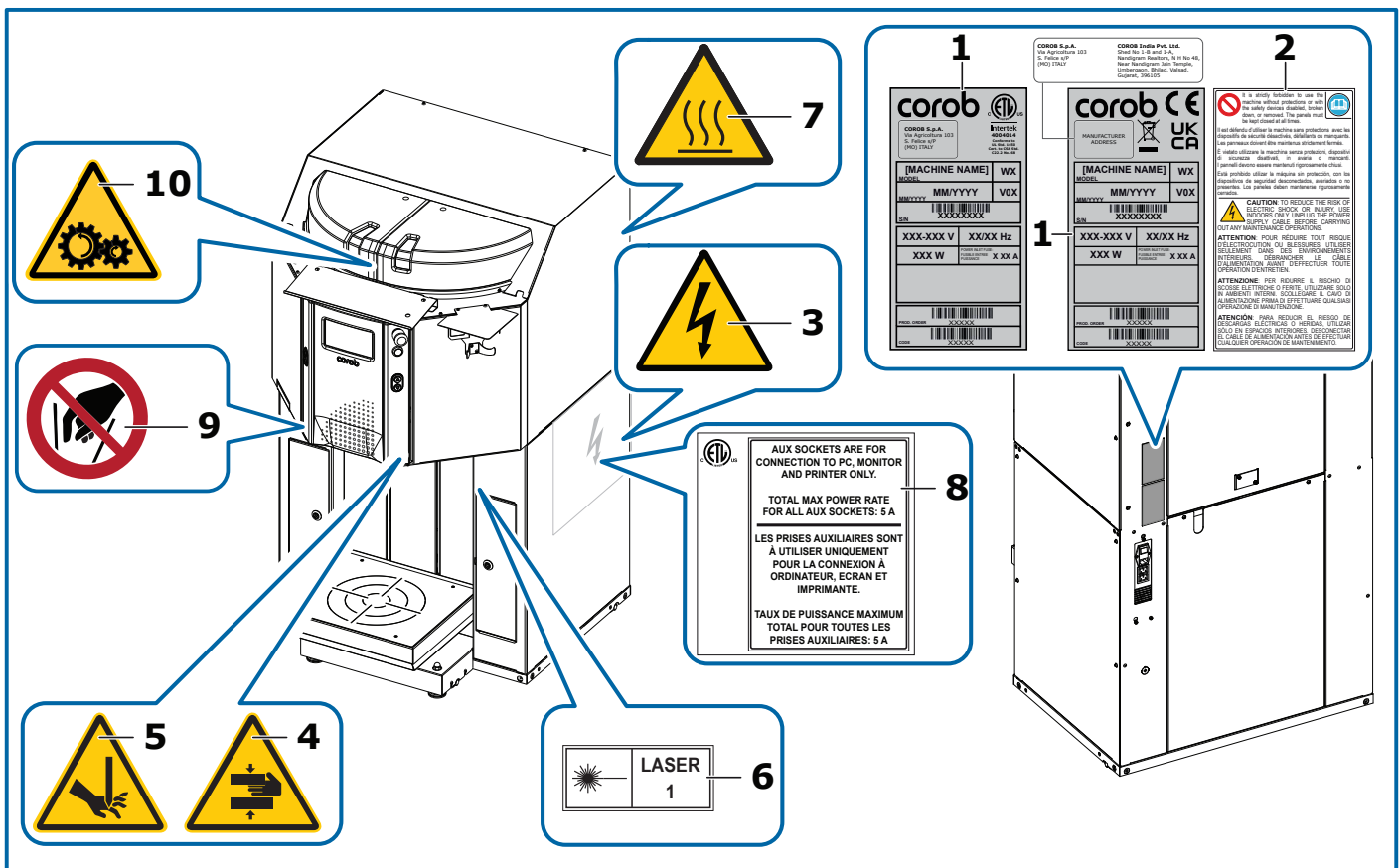
3.4 Position of labels

1. Identification plate (chapter [Identifying information](#))
2. Label “General warnings”
3. Label “Electrical danger”
4. Label “Risk of crushing” (with puncher only)
5. Label “Risk of cuts” (with puncher only)
6. Label “Laser info” (with BHL laser only)
7. Label “Risk of burning” (with Heater only)
8. Label “Aux sockets max rate” (only for T400 ETL version)
9. Label “Do not insert hands”
10. Label “Moving parts”

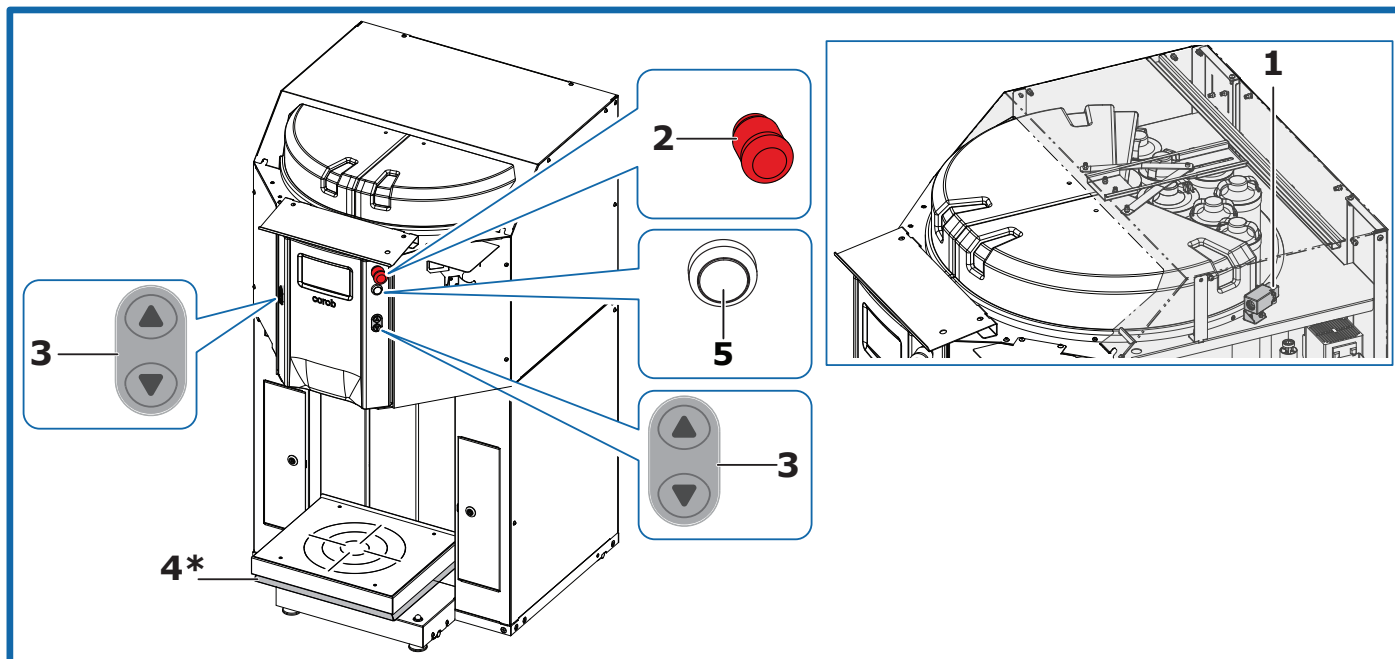


NOTE

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:

1. **Safety switch on the canisters top access cover.** It stops turntable rotation. The machine enters the off-line condition and the timed processes are interrupted (chapter [Off-line button](#)). In this condition, it is however possible to rotate the turntable at low speed while refilling the canister while keeping the upper cover open.



NOTE

To restore the machine after the turntable movement was stopped, just close the top cover again and wait for a few seconds.

2. **Emergency stop button.** To stop the machine in emergency situations or breakdown only.
3. - **Two-handed control: buttons to enable and move the electrical shelf / to command punching** (with semiautomatic shelf / puncher only).
4. **Lower shelf safety plate (*only with puncher or SDM options).** The safety plate intervenes by causing the shelf to stop if it is inadvertently touched by the operator.
5. **The hold-down off-line pushbutton used to move the table**, only with the upper canister access cover open, can be used as table movement device .



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.

When the machine is in emergency mode, the LED bars turn red (chapter [LED light bars](#)).



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 it off and unplug the power cable from the socket.



NOTE

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 signalling 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.
Safety switch on the canisters top access cover With the machine on and with the turntable in motion, open the canisters top access cover.	Following the opening of the guard, the turntable must stop. The LED flashes magenta to indicate that the machine remains on. In this condition, the turntable can only be moved at low speed.
Buttons to enable and move the electrical shelf / to execute punching. (two-hand control). 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. With the machine on and a can to be punched, press and hold down contemporaneously the four buttons on the right and left sides of the machine.	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. The shelf must move upwards, allowing the can to be punched only if all four buttons are activated at the same time. By releasing one of the buttons, the movement must stop. During shelf descent, it is possible to release the buttons.

Lower shelf safety plate (*only with puncher or SDM options). 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.
The hold-down off-line pushbutton used to move the table With the machine on and with the upper canister access cover open, keep the off-line pushbutton pressed.	With the upper canister access cover open and the hold-down off-line pushbutton, the turntable must rotate.

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).
- Installed in a temperature-controlled and well-ventilated area, to prevent the concentration of harmful fumes and the accumulation of flammable vapors in and around the machine during use. For example, for a 3 m high, 4x4 m room (total volume of 48 m³) an air change rate (ac/h) of 3 required.
- Provided with temperature control systems to ensure that the liquids to be dispensed are maintained at a temperature below their flash point (chapter [Warnings on the use of products](#)).
- Temperature between 10 °C (50 °F) and 40 °C (104 °F) and relative humidity between 5% and 85%, without condensation.



ATTENTION

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 m³) 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)



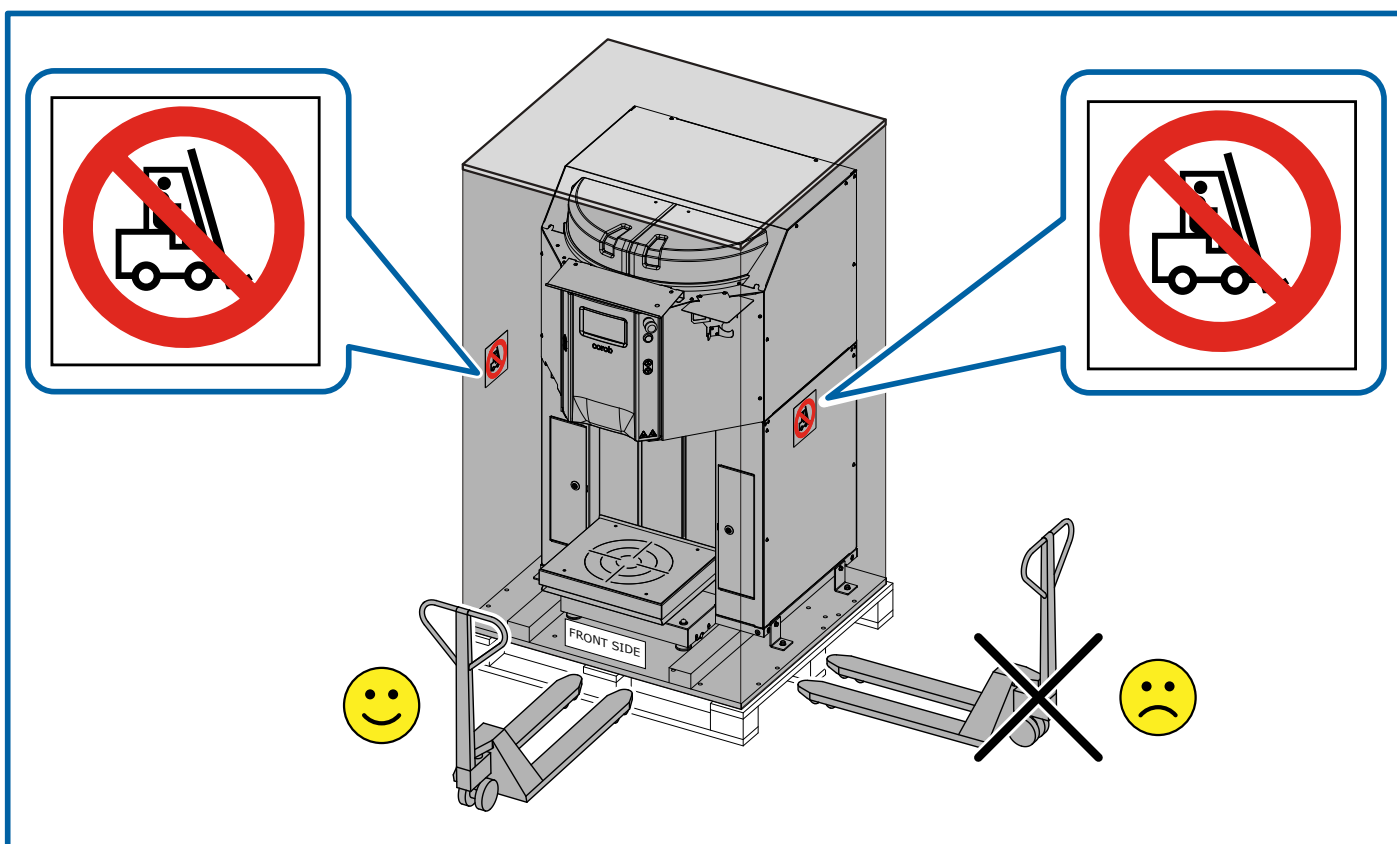
WARNING

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.



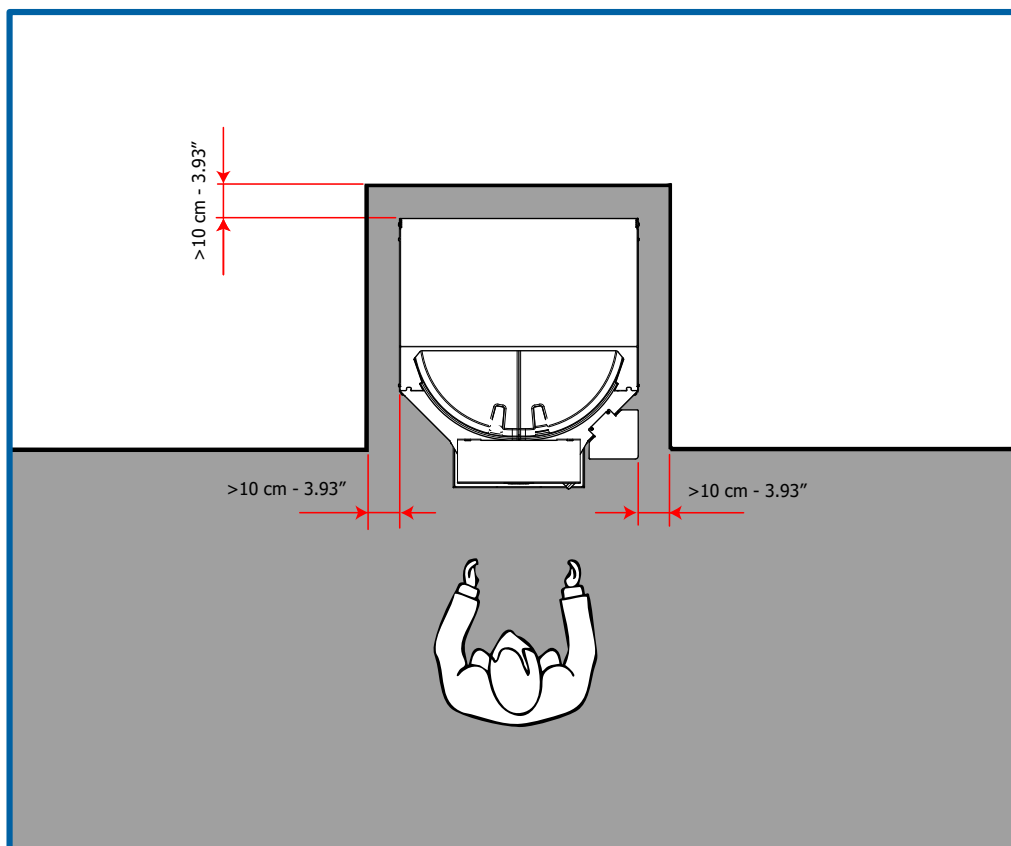
ATTENTION

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



AVVISO

If the machine is installed near a wall, keep it at least 10 cm (4") away to prevent the cables from being crushed and to facilitate access for the operator in case of maintenance.



4.2 Unpacking and placement

		8 mm [0.31"] Package
		2 x 10 mm [0.39"] To remove the fixing brackets
		1 x 13 mm [0.51"] To remove the fixing brackets
		1 x 8 mm [0.71"] To adjust machine feet
		TORX T25 To remove the locking bracket of the turntable



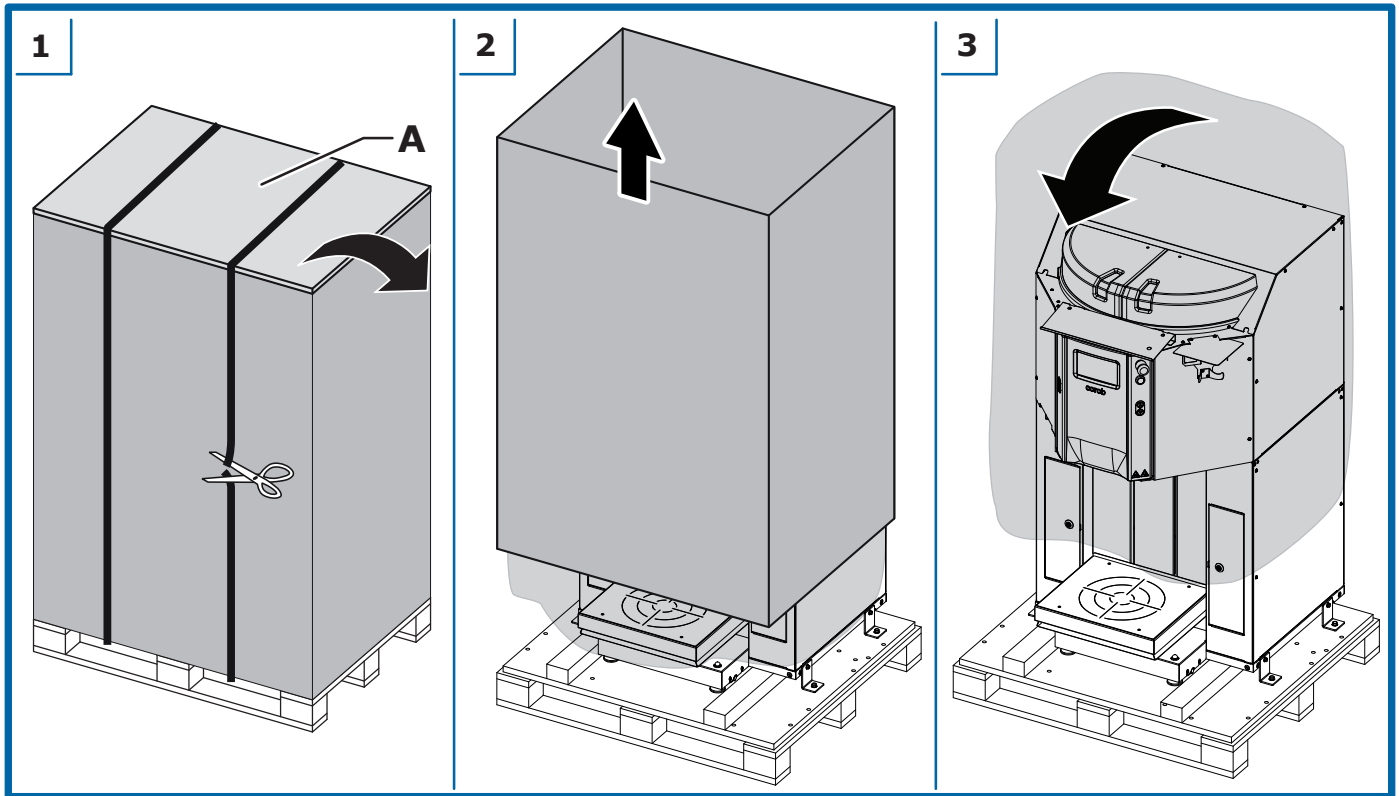
WARNING

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 straps and remove the cover **A**.
2. Remove cardboard box.
3. Remove machine wrapping. Take out any accessories and/or material supplied with the machine.

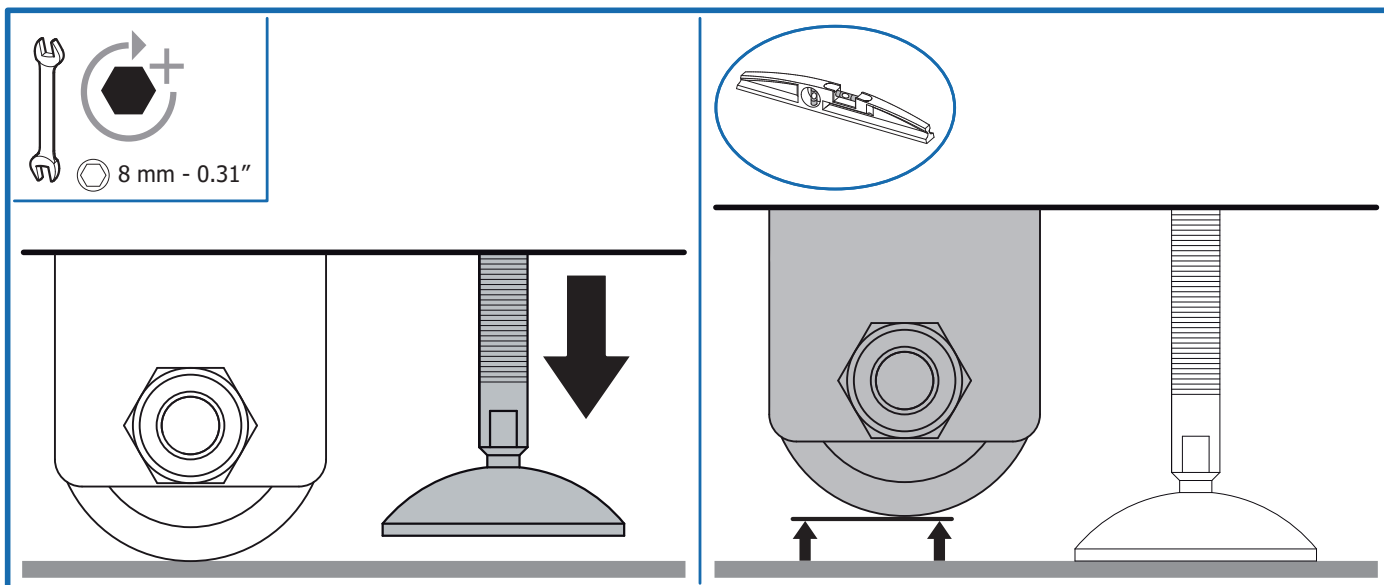
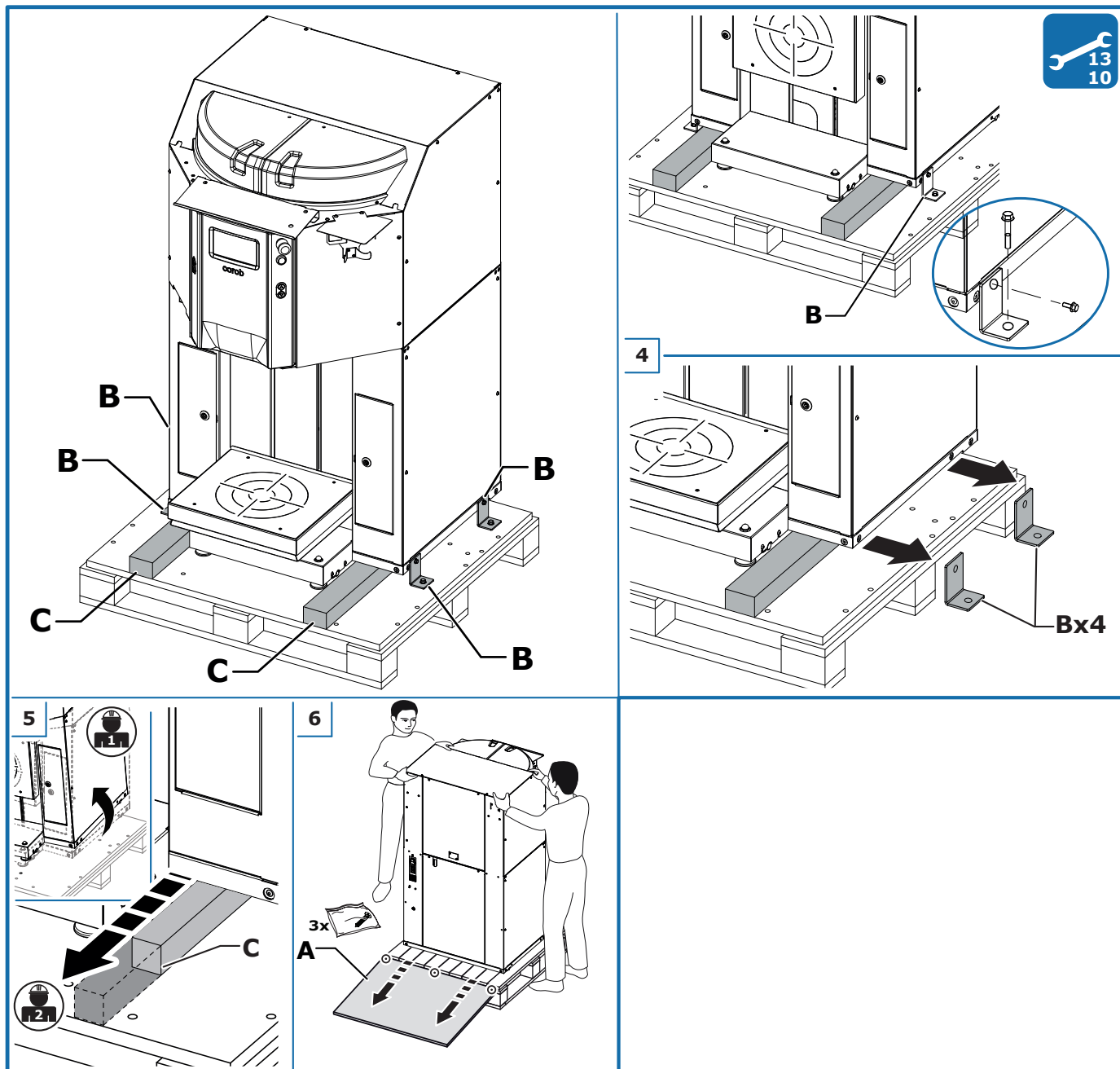


WARNING

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. Remove the brackets **B** that fix the machine to the base of the pallet.
5. Remove the two wooden beams **C**.
6. Fix cover **A** to the pallet.
7. Raise completely the two front feet.
8. Grasp the machine on the sides (this must be done by at least two people) slide it 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.

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. Product documentation.
6. Spare parts.

With puncher only:

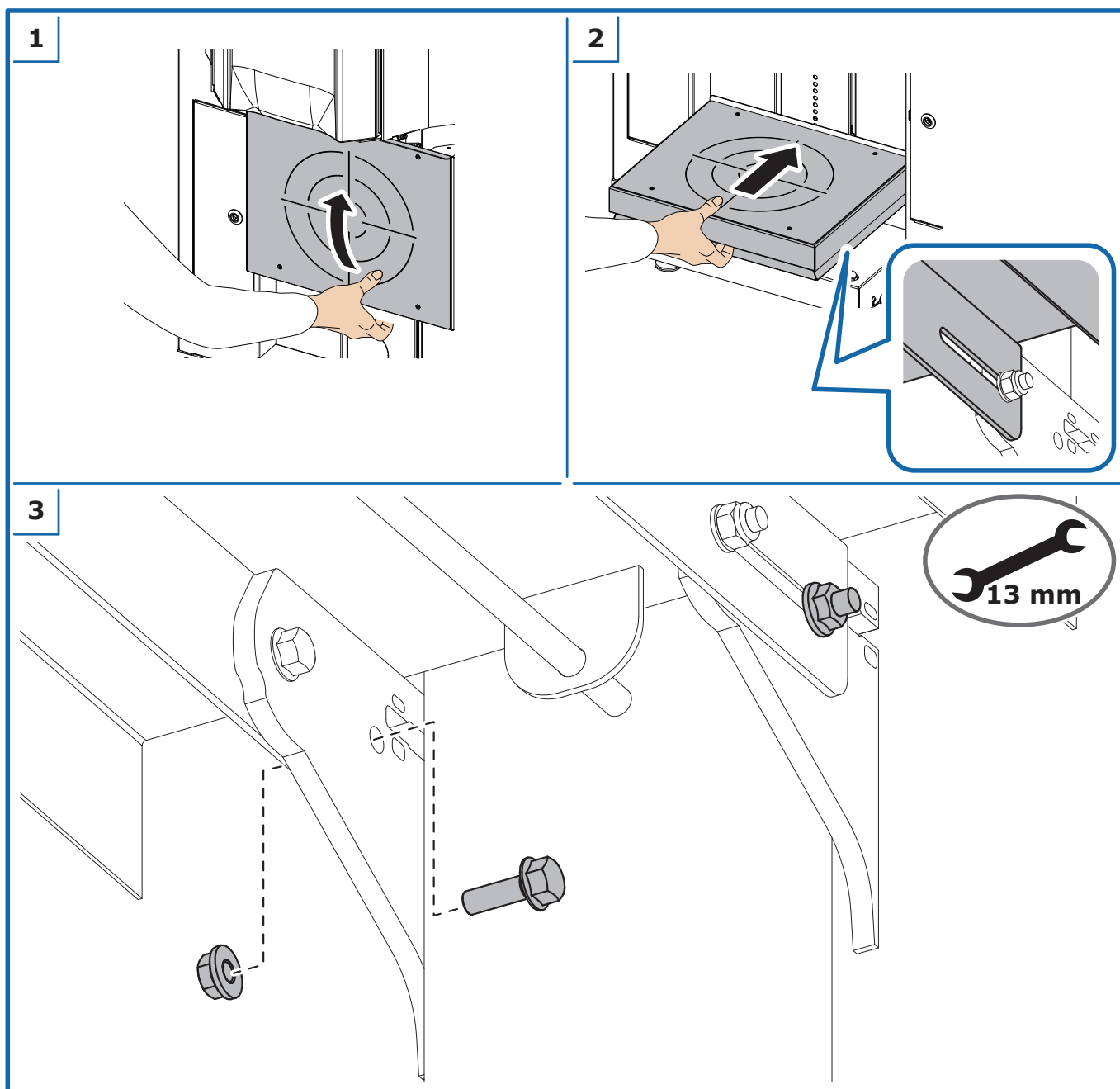
7. Tool for punch removal / Manual plugger.

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

- 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



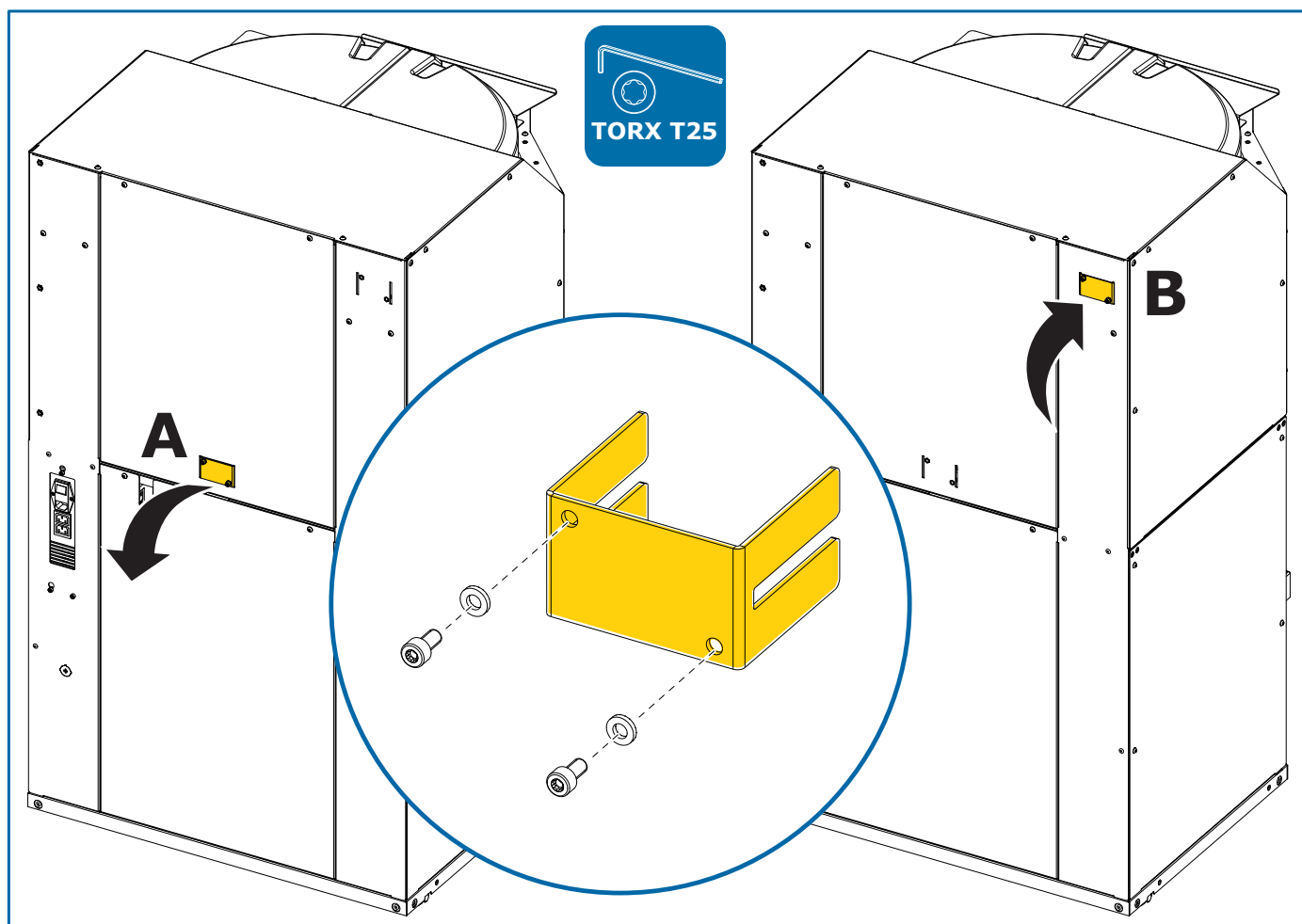
4.4 Removing the turntable locking bracket



WARNING

Move the bracket that holds the turntable in place during transportation from position **A** to position **B**.

Keep the bracket for future use.



4.5 Storage

Use appropriate equipment to handle the packed machine. If stored, the machine must be kept in a safe and protected environment, with a suitable temperature and humidity degree and protected from dust.

4.6 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.

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

Maximum power absorption allowed on the auxiliary sockets:

- 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.



NOTE

BEFORE starting up, make sure that the second dispensing hole is closed.

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.

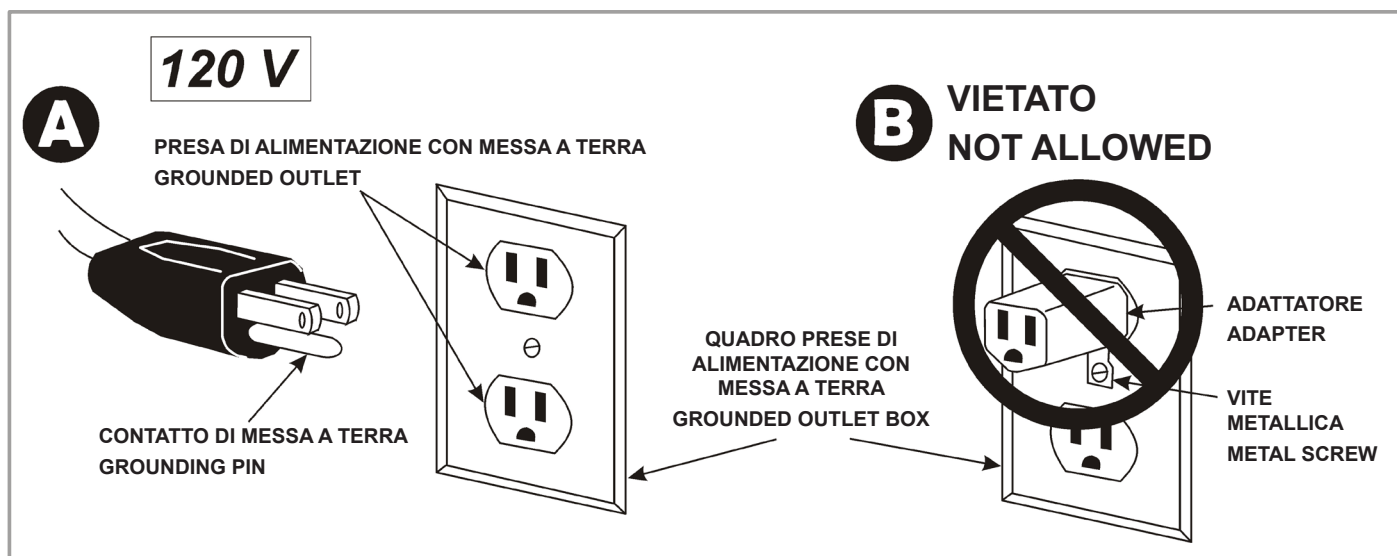
Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. DO NOT modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

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 management computer or a mobile device (tablet, mobile phone).

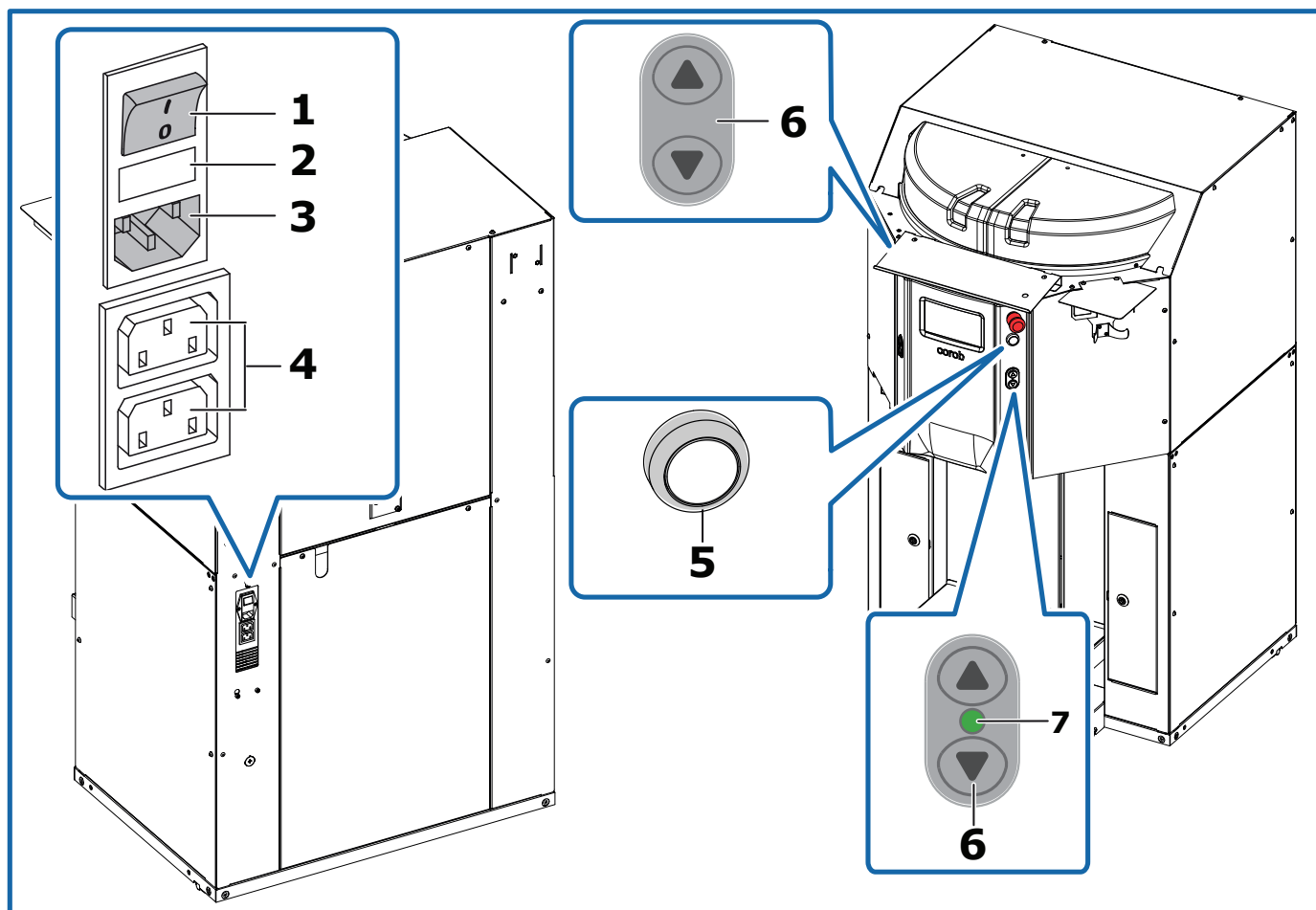
If the machine is supplied with the option **COROB Connect**, it will be possible to drive it through the use of an Android or Windows device, with its corresponding dispensing software. The connection between the device where the dispensing software is installed and the machine is automatic.

The manufacturer provides a wide range of software applications for managing all of the machine functions.

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** - Power supply to the computer and other equipment (calibration scale or label printer)
5. **Off-line button** - To interrupt machine functions, without shutting it off. With the hold-down command and with the upper canister access cover open it is used to rotate the table safely. With the Easy-On function, the button is also used to switch on the computer.
6. **Buttons to enable and move the shelf / to execute punching** (two-handed control) and signal LED.



5.5 Off-line button

The off-line pushbutton can have various functions:

Functions	Meaning
Off-line	To interrupt machine functions, without shutting it off.
Button to move the table	The off-line button can also be used as safety device. The safety device function is active only when the upper canister access cover is open and the hold-down off-line pushbutton is pressed to allow the table movement.
Easy-On	With the Easy-On function, the button is also used to switch on the computer (see chapter “Easy-On” computer function)

When the off-line button is pressed, all functions of the machine are interrupted. In these conditions, any commands coming from the computer are refused.

To put the machine back in the on-line condition, press the off-line button when the LEDs are in the blue status (fast blinking). During slow blinking, in the transitional phase between on-line and off-line, the action cannot be performed. After a few seconds, it switches from slow blinking to fast blinking. Only during fast blinking can the machine return to the on-line condition.

The LEDs indicate the machine status (see chapter [LED light bars](#)).



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.

5.6 LED light bars

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

Colour	Meaning
Blue (solid)	The machine is ON and is waiting for communication.
Blue (blinking)	Machine is in the off-line condition. The off-line button was pressed (ch. Off-line button). Slow blinking = transitional state between on-line and off-line. Fast blinking = off-line state. The machine can be returned on-line only in this condition.
Green (solid)	The can is positioned (the sensor has detected it) and it is possible to proceed with dispensing or punching
White (solid)	Machine is dispensing.
Red (solid)	Machine in emergency stop condition.
Red (blinking)	Fault condition.
Magenta (solid)	The upper canister access cover was opened and the safety switch was activated (chap. Safety devices), or the presence of the brush was not detected (or the brush is not present or the drawer is open).
Magenta (blinking)	The machine with the upper canister access cover open is not ready to receive the hold-down command (off-line pushbutton) to move the turntable.

5.7 “Easy-On” computer function

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.

LED light bars	the LED light bars turn on in a 4- colour 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.

5.8 Electrical connection and start-up



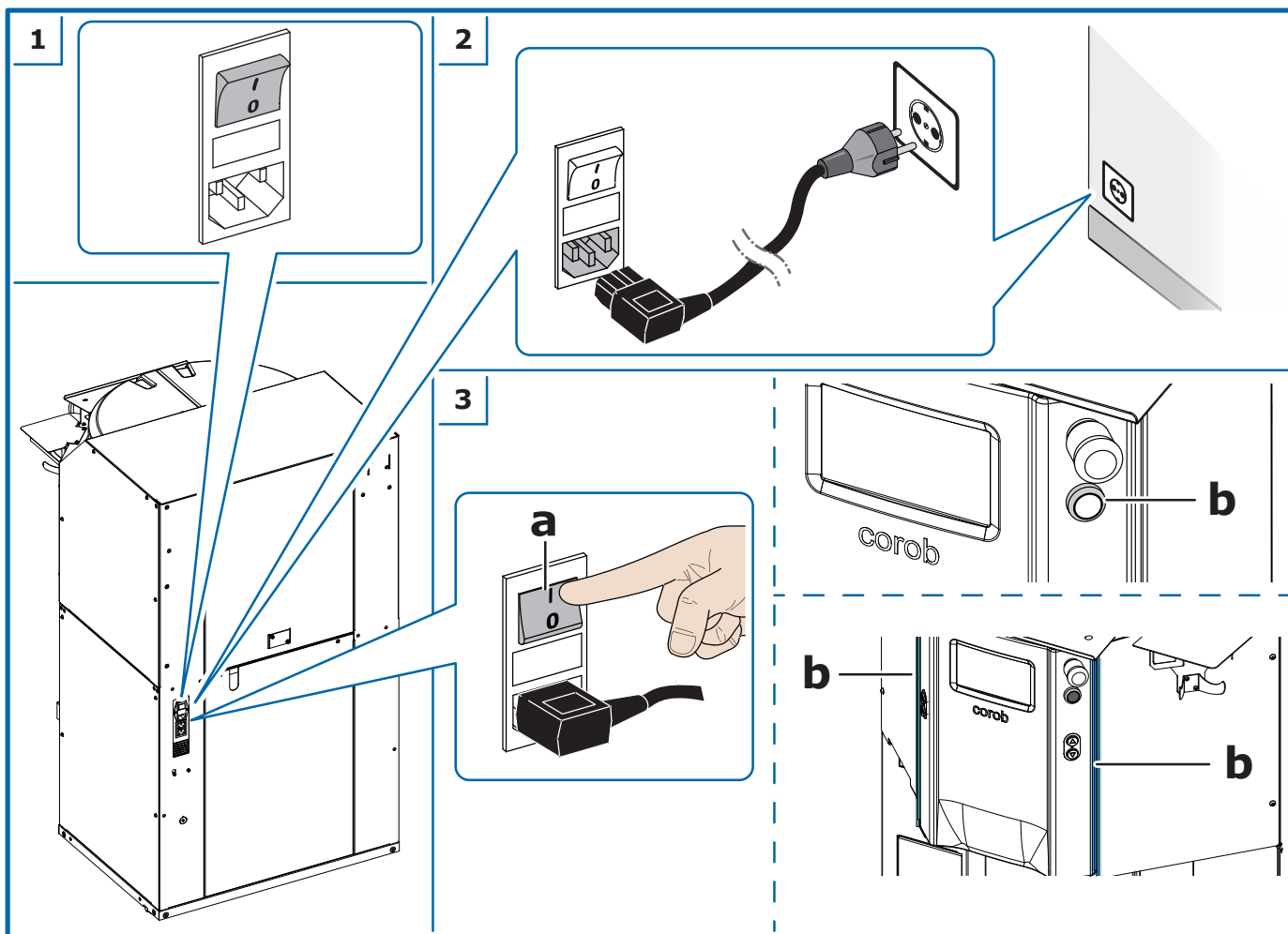
NOTE

If the LED signal light do not come on:

- make sure the power cable has been properly connected to the power socket
- check that the main switch has been turned on.

If, after turning the machine on, the LED light blinks blue, this means that the machine is in the off-line status. To restore the online normal condition: To restore the on-line normal condition:

- close the machine top cover
- press the off-line button



5.9 Shut-down



NOTE

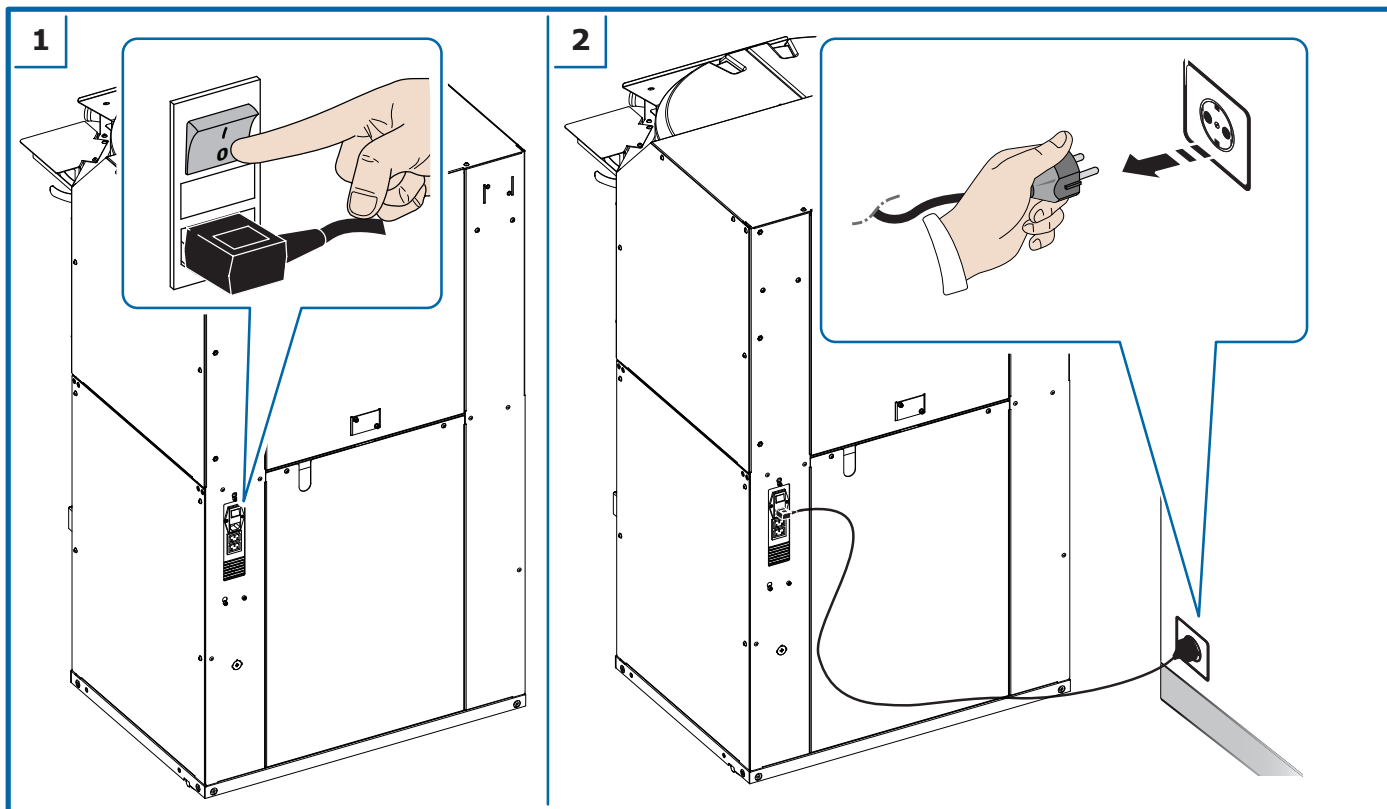
WE RECOMMEND THAT YOU NEVER SHUT DOWN THE MACHINE, even when closed for business, because the automatic, timed functions help keep the colorant preserved and homogeneous.

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.

Do not exceed the weight limits defined by the standards applicable in the country of use during the movement of the cans.

In Europe the ISO reference values are: (25 kg/55 lb man, 15 kg/33 lb woman).

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:

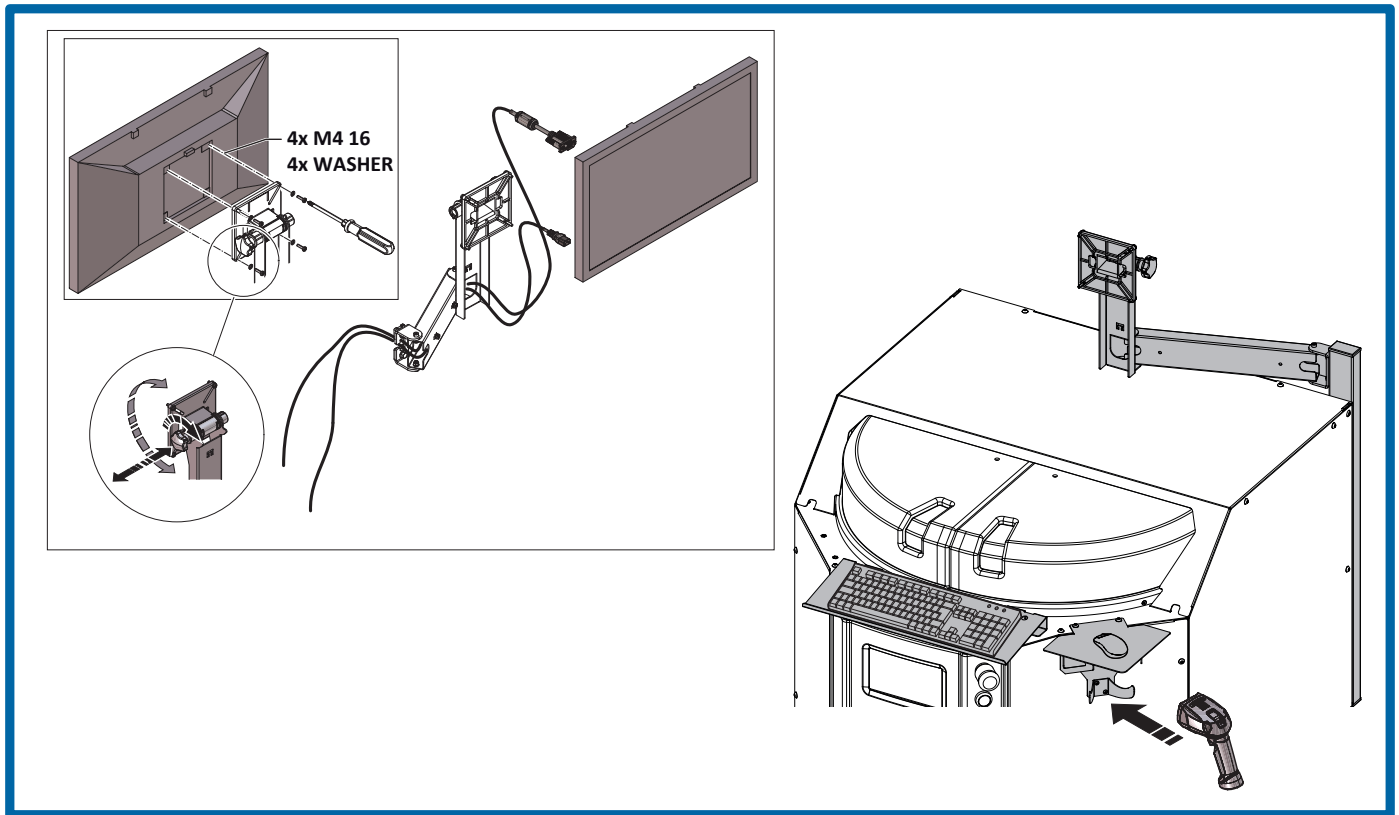
- Check that the machine in general is clean.
- Check the conditions of the cleaning brush unit; if necessary, clean and fill the brush container using only appropriate liquid (the choice of the liquid depends on the nature of the colorants, and must be done directly by the manufacturer of the products used).
- (With Puncher) Check the cutting tool is clean.

6.3 Use of supports

Using the monitor, keyboard, mouse, barcode reader support

The supports have the purpose of housing devices such as monitor, keyboard, mouse and any barcode reader. The connecting cables of the devices can be fastened inside the tubular elements of the arm, so as not to be in the way.

Thanks to the ergonomic design and the ability to be adjusted, the operator can move the monitor support to the most appropriate position.



HAZARD

Only the operator can adjust the position of the monitor support arm, to move it to the most ergonomic position according to his working place.

Be careful during the adjustment movements to avoid the risk of finger/hand crushing: grip the support arm with two hands and away from the articulation points.

The supports are designed for what is foreseen, i.e. monitor, keyboard, mouse and any label printer or barcode reader. **Do not use them as a support base for objects other than the intended devices.**

The weight of the devices **must not exceed the maximum load** for each single support:

- monitor arm, max: 4 kg (77 lb)
- keyboard support, max: 1 kg (77 lb)
- printer/mouse/barcode reader support, max: 1 kg (77 lb)

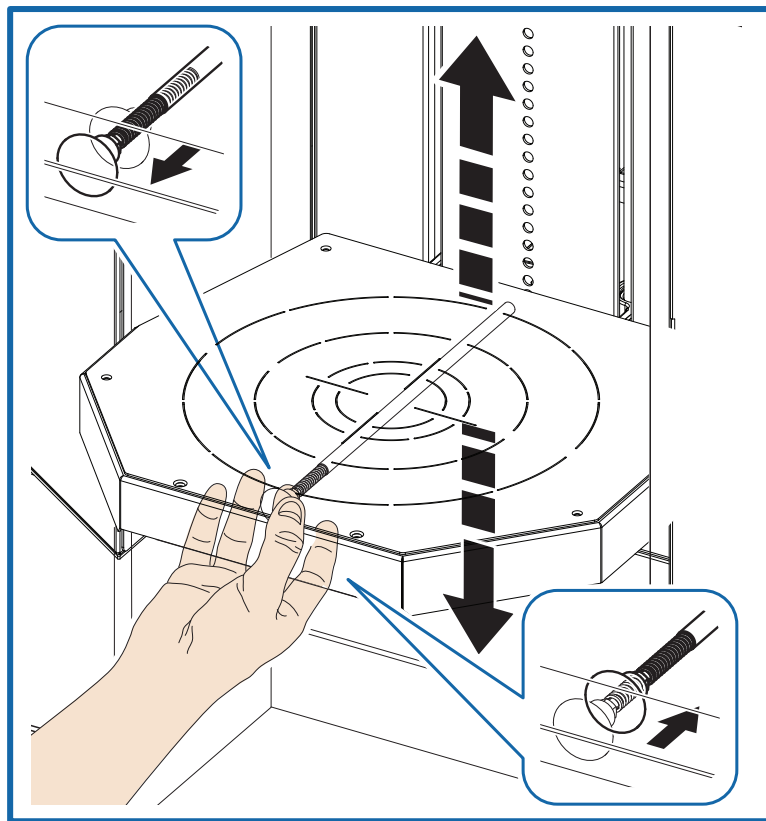
6.4 Running the machine

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

Steps:

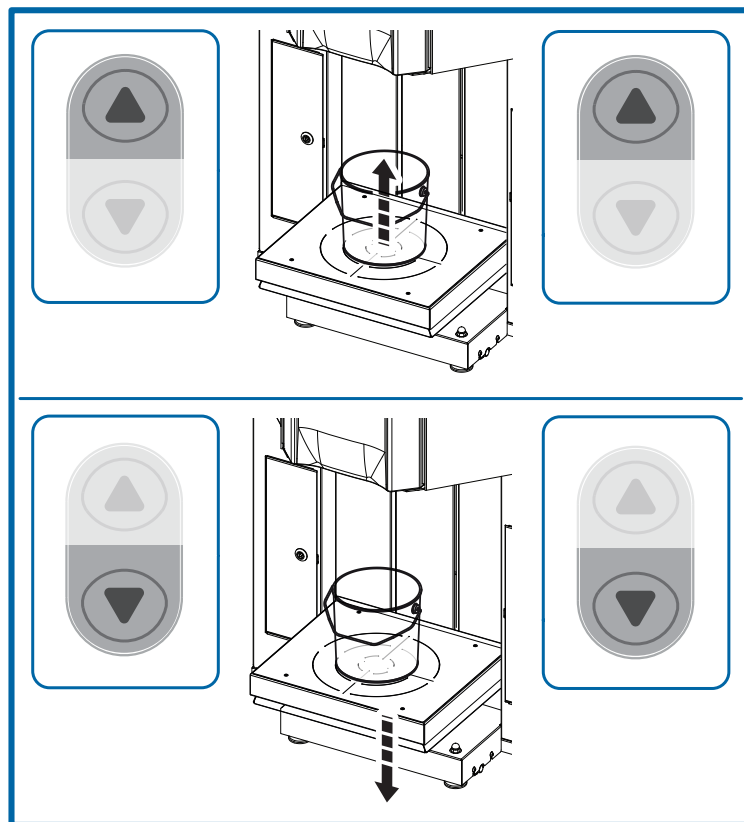
1. Make the appropriate selections from the software (choose the product, formula and container).
2. Load the can in the machine:
 - with manual shelf (ch. [Loading the can - Manual shelf](#))
 - with semiautomatic shelf (ch. [Loading the can - Semiautomatic shelf](#))
3. Adjust can position with respect to the dispensing centre.
 - with can centring device (ch. [Use of can centering device and Bung Hole Locator](#))
 - with B.H.L. Laser (ch. [Use of can centering device and Bung Hole Locator](#))
4. With puncher carry out punching of the can lid [optional] (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.

6.4.1 Loading the can - Manual shelf



1. Release the shelf by pulling the handle.
2. Raise or lower the shelf, adjusting its height based on the size of the can to be used.
3. Release the handle to lock the shelf in the desired position.
4. Place the can on the shelf, making sure that photocell **A** is obscured.

6.4.2 Loading the can - Semiautomatic shelf

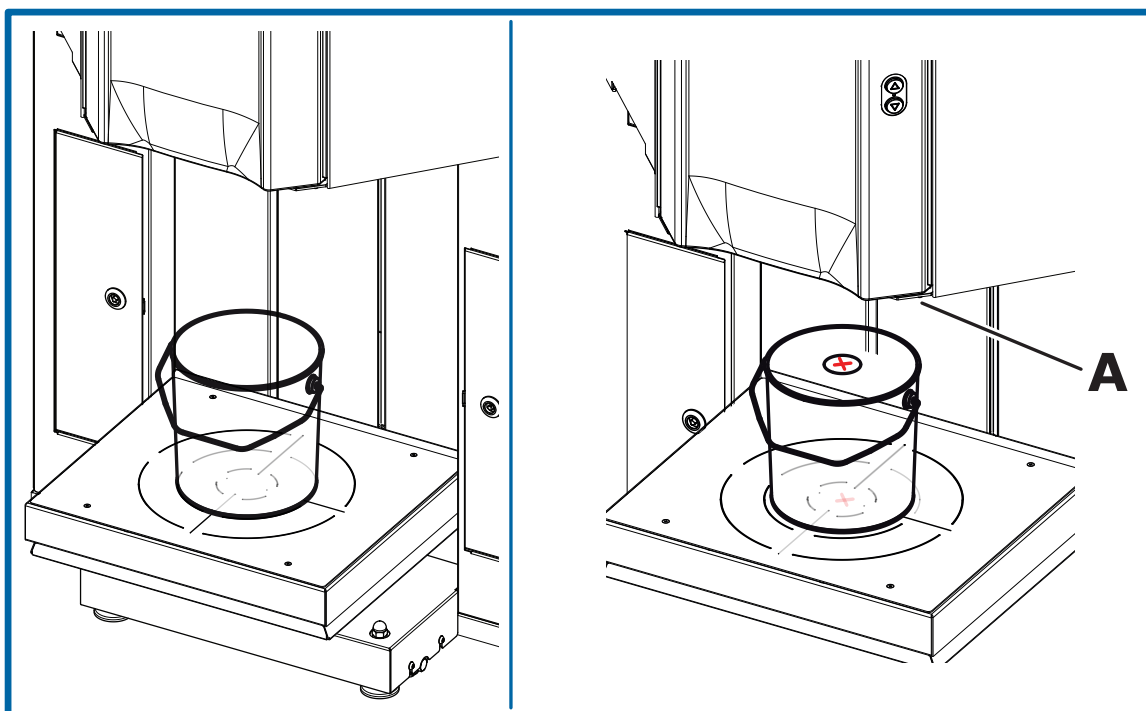


ATTENTION

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.
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.

6.4.3 Use of can centering device and Bung Hole Locator



With can centring device

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

With Bung Hole Locator

1. After having correctly positioned the can so as to obscure sensor **A**, the laser beams will switch on.

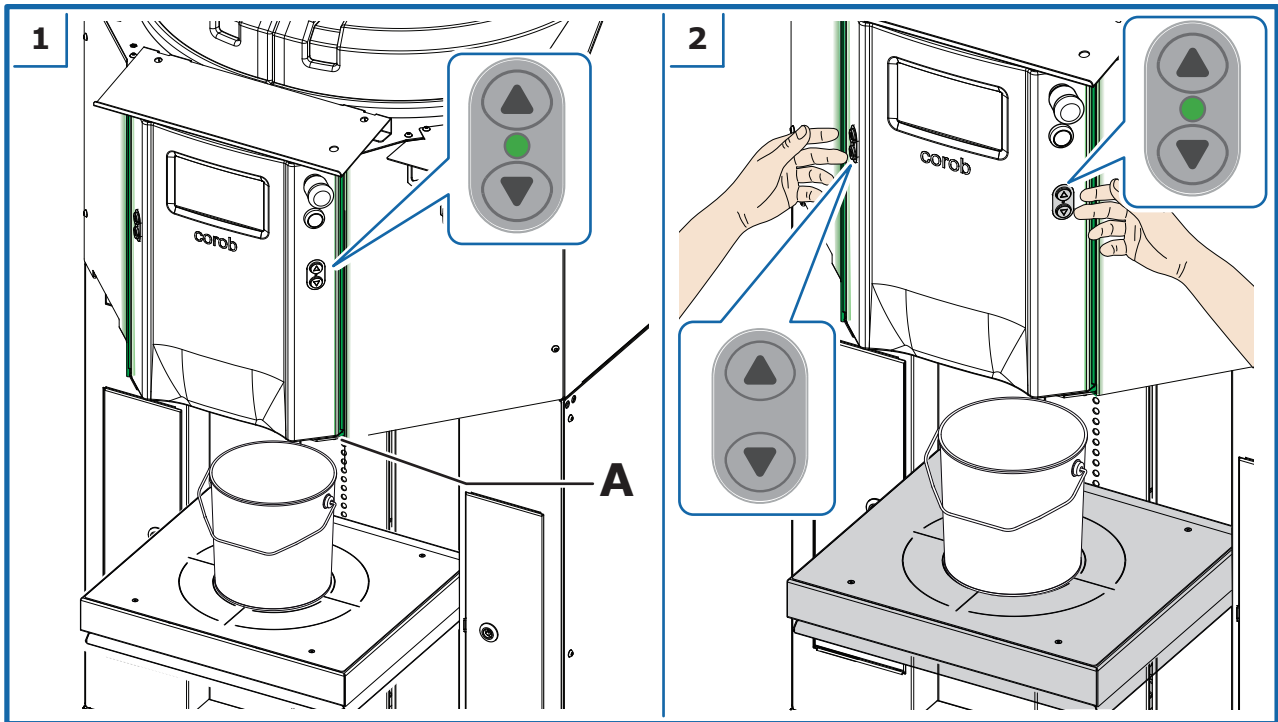


NOTE

The laser beams can be activated by keeping the shelf movement buttons (up and down) pressed even if the photocell is not blocked. This function is only available if it has been configured in the management software.

2. Position the can in such a way that the hole on the lid is in the center of the laser beams.

6.4.4 Punching the can



NOTE

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

Ensure that there is a lid on the can.

1. Press and hold down the two buttons (▲) at the same time, to raise the shelf, which stops when the can is correctly positioned. When the can has been positioned so as to obscure sensor **A**, the following lights turn on, to indicate that you can proceed with punching:
 - the LED bar turns GREEN
 - the GREEN LED placed between the right hand buttons (●) turns on.



WARNING

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

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 moves down to free the puncher. During shelf descent, it is possible to release the buttons.
3. At the end of punching, release the buttons and if necessary lower the shelf with the down buttons (▼), enough to withdraw the punch tool from the can lid but without uncovering the sensor.



NOTE

In case of blockage or malfunction during punching, refer to chapter [Troubleshooting](#).

Proceed with dispensing.

6.5 Dispensing

When the dispensing command is entered, the white LED bar turns ON, to indicate that the machine is executing the dispensing process.

The turntable automatically starts rotating to bring to the front, one after another, the circuits involved, and dispense the products included in the formula in the set amounts.

The cleaning brush is activated in order to allow the nozzles to be cleaned by gliding over the brush when the turntable rotates.

At the end of each dispensing operation, all circuits involved in the dispensing are cleaned.

If available, the SDM (Smart Descent Module) feature allows the semi-automatic shelf to lower automatically after each dispensing, without the need to press any buttons. The movement is safely controlled by the lower position sensor and the safety plate.

It is also possible to configure a preferred position to which the shelf automatically lowers at the end of the dispensing.



ATTENTION

Do not remove the sheet metal plate giving access to the second hole, because the second hole is reserved for manual procedures that can be executed only by qualified personnel authorised by COROB.

6.6 Automatic processes

The machine executes the following automatic timed processes:

- **Colorant stirring**
- **Colorant recirculation**

The recirculation process is **sequential**, meaning it is carried out one circuit at a time, and it involves rotation of the turntable.

The stirring process is one, for all canisters.

The duration, interval and mode these processes are carried out can be customized via the configuration software, based on the nature of the products used on the machine.

Stirring is a process 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.



WARNING

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

The **Recirculation** process circulates the colorant through the dispensing circuits, avoiding pigment sedimentation in the various parts of the circuit. The process is similar to the dispensing process (the circuit is brought to the dispensing position), but without the colorant coming out of the nozzle, that is to say with the valve closed and only through the suction hole.

Cleaning of the dispensing nozzles is a process that allows to wipe with a brush the nozzle of each circuit.

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.

6.7 Refilling the canisters



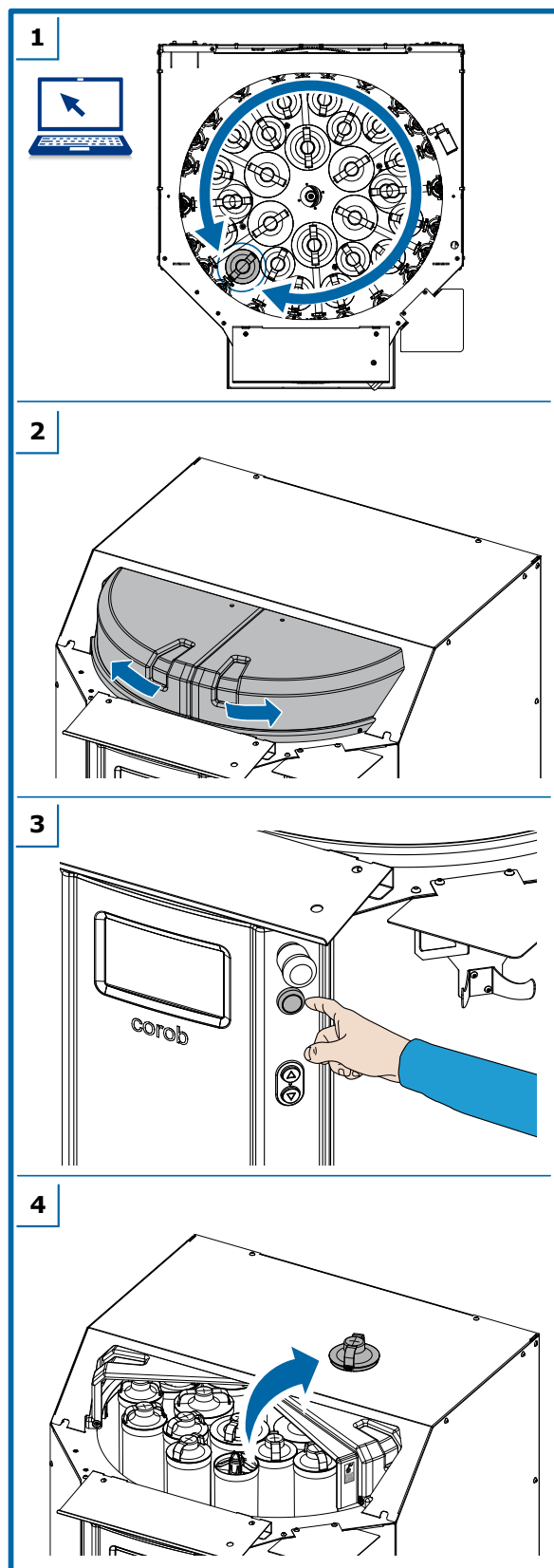
This information label on the machine indicates to the operator the correct position to refill the canisters safely and correctly.

The colorant refilling procedure must be carried out using the function provided in the dispensing software.

With the cover closed, the movement of the turntable is only allowed by the dispensing system.

When the cover is opened the machine enters the off-line condition. The turntable can be moved at low speed only in this condition, with the off-line button that assumes the hold-down command function.

The positioning of the circuit in the top up position is managed by the software, while the actual movement of the table, with the cover open, is performed by the operator. This operating mode allows for various consecutive top up operations without having to close and open the cover each time.



1. From the machine management software (refer to the software user's manual) use the colorant level update function to move the circuit to the filling position.
2. Open the cover in the dispenser upper part. The machine enters the off-line condition.

3. Press and keep pressed the off-line pushbutton to enable the turntable rotation, which will position the circuit in the filling position.
4. Remove the lid of the canister to be filled.



NOTE

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

5. Add the desired colorant to the canister so as to avoid spattering or creating air emulsions in the colorant.



WARNING

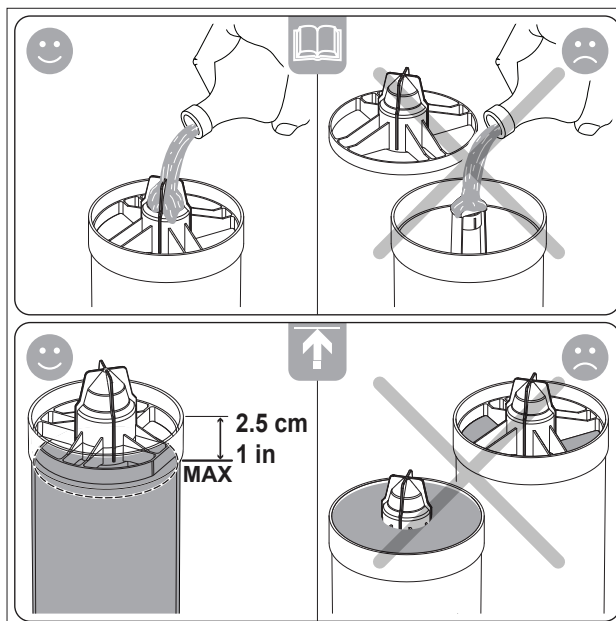
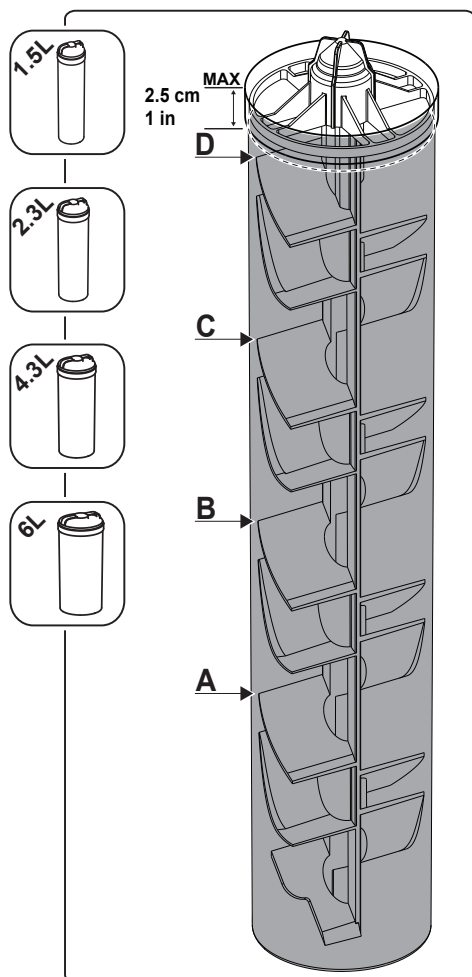
To avoid colorant spills from the shaft of the stirring system, it is essential that you **DO NOT REMOVE** the bottle drainer while topping up. The colorant level **MUST NOT** exceed the maximum level, placed at 2.5 cm (2") from the upper edge of the canister. Colorant spills cause the circuit pumping unit to be blocked.

DO NOT EXCEED THE MAXIMUM LEVEL.

6. Close the canister with its corresponding lid.
7. Repeat the above steps to fill other canisters.
8. Close the cover in the dispenser upper part. The machine returns automatically to the on-line mode, without having to press the button.

TYPE 1 (M)

corob



			A	B	C	D	MAX
1.5L (1.6 qt)	Inside	L	0.4	0.8	1.2	1.6	1.7
		qt	0.4	0.8	1.3	1.7	1.8
	You can add	L	1.3	0.9	0.5	0.1	--
		qt	1.4	1	0.5	0.1	--
2.3L (2.4 qt)	Inside	L	0.6	1.1	1.6	2.1	2.3
		qt	0.6	1.2	1.7	2.2	2.4
	You can add	L	1.7	1.2	0.7	0.2	--
		qt	1.8	1.3	0.7	0.2	--
4.3L (4.5 qt)	Inside	L	1.2	2.2	3.2	4.2	4.3
		qt	1.3	2.3	3.4	4.4	4.5
	You can add	L	3.1	2.1	1.1	0.1	--
		qt	3.3	2.2	1.2	0.1	--
6L (1.6 gal)	Inside	L	1.5	3.0	4.5	6	6
		qt	1.6	3	4.8	6	6
	You can add	L	4.5	3.0	1.5	--	--
		qt	4.8	3	1.6	--	--



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 centre.
- 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.



NOTE

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.



NOTE

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.

6.8 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 Control devices and connections).
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 machine does not work and does not execute timed processes.	
Cause	Solution
The off-line is pressed. The LED light blinks blue.	Release the off-line button (chapter Off-line button).
The cleaning brush drawer is open. The top cover for canisters access is open. The LED light is magenta.	Close the cleaning brush drawer. Close the top cover/cleaning brush drawer.
An error has occurred. The LED light blinks red.	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: Turntable does not rotate.	
Cause	Solution
The turntable locking bracket was not removed at installation.	Remove the bracket that holds the turntable locked during transport (chapter Unpacking and placement).
The top cover for canisters access is open.	Close the top cover.
An object prevents the movement of the turntable.	Keep the area clean from foreign objects.
The cleaning brush drawer is open. The LED light is magenta.	Close the cleaning brush drawer. Close the top cover/cleaning brush drawer.

Problem: Inaccurate colour mix.	
Cause	Solution
Incorrect base paint selected or formulation error in dispensing software.	Check the can chosen and the selections made in the program.
Low colorant level in canister.	Fill canister with colorant using the specific software function (chapter Dispensing)
The cleaning brush unit is dirty or not working well.	Check the condition of the cleaning brush unit and perform maintenance (chapter Maintenance of the cleaning brush unit).

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, or the group is blocked.	Lower the shelf slightly and push the can down by hand to disengage it. The use of cutproof safety gloves is mandatory. Perform routine maintenance on the punch tool (cleaning) or request replacement. Unblock the group as indicated in chapter 7.
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 ORDINARY 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](#).



NOTE

If the heater option is present, the maintenance technician must wait a few minutes before touching the heater.



CAUTION

Use of controls or adjustments or performance of procedures other than those specified in this chapter may result in hazardous situations or radiation exposure due to the presence of a laser device.

Do not remove machine panels.

7.2 Maintenance table



NOTE

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

Operations	Frequency
Clean / possible refill the brush unit	Beginning of shift
Clean the dispenser externally	when necessary

7.3 Products to be used

We recommend to use products compatible with the type of colorants in the machine when cleaning.

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, 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



HAZARD

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.

To avoid the risk of slipping, keep the floor around the machine clean from possible product spills.

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 Maintenance of the cleaning brush unit

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



MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

The brush assembly can perform its function of cleaning the dispensing nozzle either dry (without liquids in the brush) or in the presence of a cleaning liquid.

The choice of operating dry or with a liquid is at the discretion of the end user and is closely related to how the colorants behave in the machine (e.g., greater or lesser tendency to dry out or contaminate each other).

More frequent brush cleaning may be required with dry operation.

If used with a liquid, check daily that there is always enough liquid in the container of the cleaning brush.

The quantity of cleaning liquid used depends on the frequency of usage of the machine and the type of liquid chosen.



WARNING

When the level of the cleaning liquid is insufficient to wet the lower bristles, top up immediately by pulling out the brush container. **RESPECT THE MIN LEVEL MARK.**

Only use cleaning fluids that have been recommended by the colorant manufacturer. **Do not use flammable liquids in the cleaning brush unit container.**

DO NOT EXCEED THE QUANTITY OF LIQUID: IT MUST NOT COME OUT FROM THE CONTAINER. RESPECT THE MAX LEVEL MARK.

7.5.1 Washing and refilling the brush unit

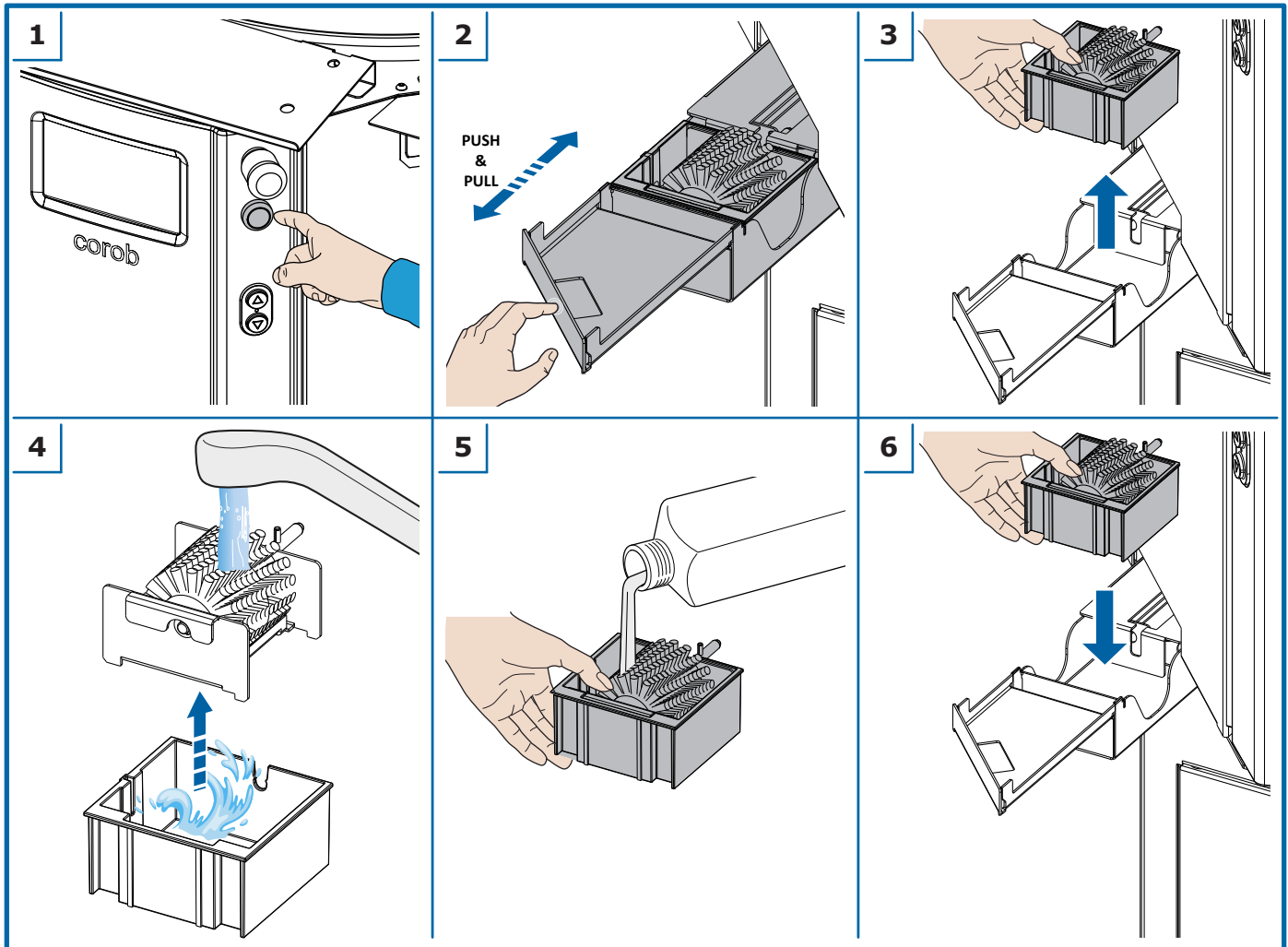
1. Press the off-line button (chapter [Off-line button](#)).
2. Open the brush unit drawer (push&pull).
3. Remove the brush container located inside.
4. Wash the brush container and the brush.
5. Before putting the container back into the drawer, fill with the cleaning liquid.
6. Reinsert the container and close the drawer.



WARNING

To ensure that the cleaning process is performed correctly, make sure you push firmly the brush unit drawer back in the closed position.

7. Release the off-line button (chapter [Off-line button](#)).



7.6 Checking and replacing the puncher



HAZARD



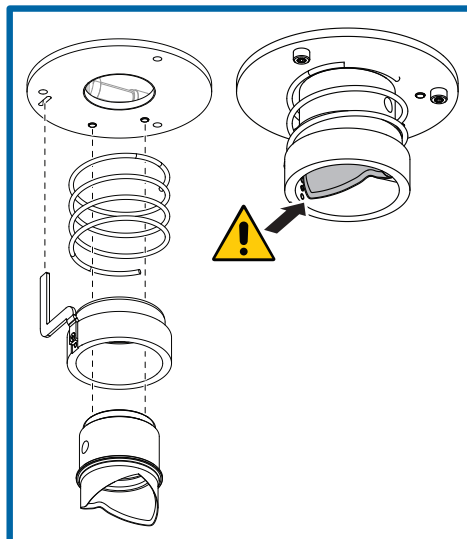
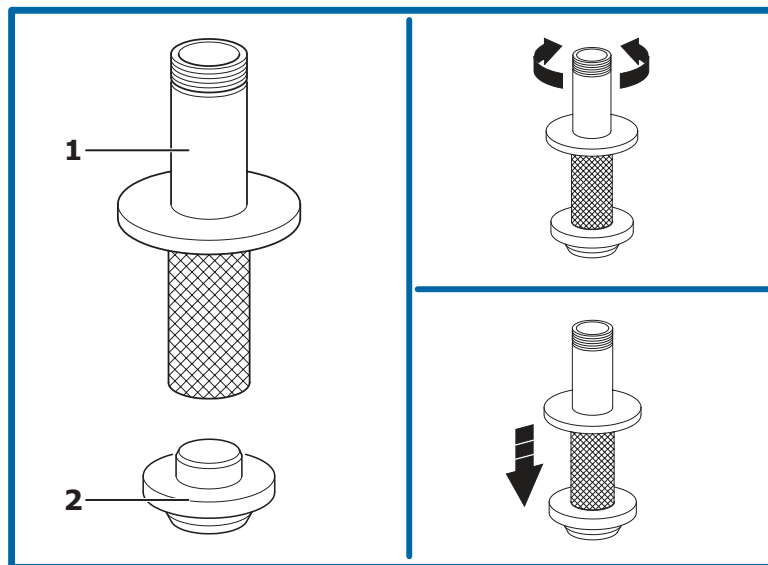
TO PERFORM THIS OPERATION YOU MUST WEAR CUT-PROOF GLOVES.



To work on the punch tool you must remove it; this is possible only by using the special punch tool screwing/unscrewing device. The punch tool screwing/unscrewing device consists of two parts:

- (1) A protected grip with threaded end to remove and reassemble the punch tool.
- (2) A manual plugger that can be inserted on the grip to manually apply plastic plugs to the cans.

The punch is threaded to the left (the reverse of normal screws).



Procedure:

1. Disconnect power supply (chapter [Shut-down](#)).
2. With the puncher in rest position, insert the threaded end of the device into the punch tool cavity.
3. Turn the device clockwise all the way down; forcing it further, still clockwise, the punch tool is released and then unscrewed. The punch tool remains firmly inserted on the device.
4. Insert a screwdriver or similar into the hole on the punch tool to release the device.
5. Turn the device counter-clockwise to separate it from the punch tool.

6. Connect power supply and switch on the machine (chapter [Electrical connection and start-up](#)).



Always wear cut-proof gloves when handling the loose punch tool. Handle the punch tool with care to avoid damaging its cutting edge.

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).

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

To reassemble the puncher, follow the above steps in reverse order. Reposition the spring and the protection ring in the correct order.



Make sure you reassemble the puncher correctly, so that the cutting edge of the punch tool does not protrude from the guard ring.

7.7 Unlocking the punch group

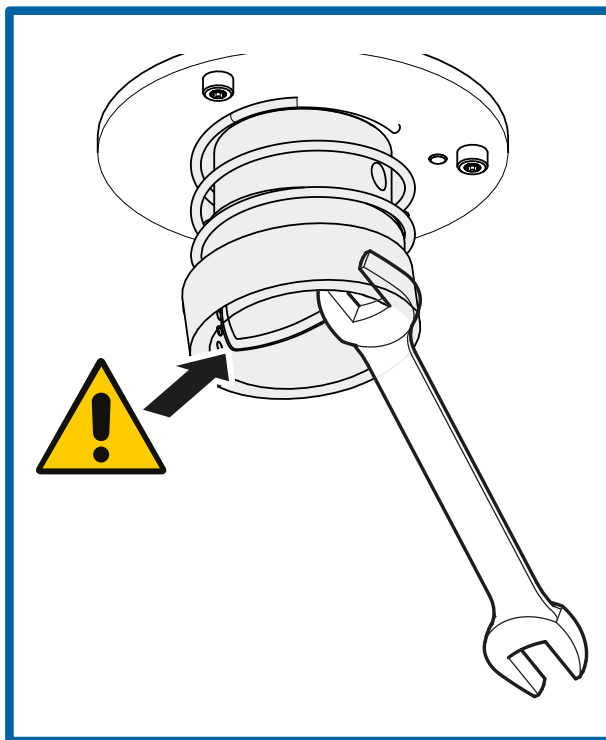


7 mm Protection ring maintenance

If the punch group blocks, i.e. the protection ring gets stuck in the sliding columns, it is necessary to unblock the group by levering the disk using a tool.



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



Procedure:

1. Disconnect power supply (chapter [Shut-down](#)).
2. Using the tool, leverage with force the puncher disk to unlock the group.
3. Connect power supply and switch on the machine (chapter [Electrical connection and start-up](#)), checking the correct sliding of the group.

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)
from 60 W to 300 W, based on configuration
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
1.5 - 2.3 - 4.3 - 6 litres
(1.58 q - 2.4 q - 4.5 q - 6 q)
Number of canisters
Up to 24
Dispensing technology and circuit flow rate
T400
• “NoPurge” piston pump [NPP1000M] • Pump volume: 70 ml • 1 liter/min
T300
• “NoPurge” piston pump [NPP500P] • Pump volume: 40 ml • 0.5 liters/min
Dispensing system
Sequential turntable (bidirectional)

Electronics
5G TTD
Canister type
All-purpose (POM acetalic resin)
Type of colorants
Decorative and industrial: water, universal and solvent
Valve type
Sphere valve
Colorant stirring
Motorized, one for all canisters
Nozzle cleaning system
Motorized cleaning brush
Laser device
CLASS 1 LASER PRODUCT / APPAREIL À LASER DE CLASSE 1, IEC 60825-1:2014, Po ≤ 390 μW.

(a) Excluding auxiliary devices connected to the 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.

8.2 Declaration of conformity



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:

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:

- 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 (applicabile solo per le versioni macchina con modulo Bluetooth integrato)
- 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 (only applicable for machine versions with integrated Bluetooth module)

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

1 / 2 | CE IT DSP_CC 12_2025

COROB S.p.A.

corob.com

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R.E.A. MO 343030

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CS - Vyrobcе a osoba pověřená sestavením technické dokumentace stvrzuje na svou vlastní zodpovědnost, že zařízení, ke kterému se toto toto prohlášení vztahuje, je v souladu se základními požadavky stanovenými následujícími směrnici: Směrnice o strojích zařízení 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 (pouze pro zařízení s Bluetooth). Dále se zaručuje, že stroj byl navržen a vyroben, a výrobce je zdokumentován, v souladu s přesnými firmními 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 (kun maskiner med Bluetooth). 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 (nur Maschinen mit Bluetooth). 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 υπαπόσταση, το μηχανήμα στο οποίο αναφέρεται το παρόν, συμμορφώνεται με τις ουσιαστικές απαιτήσεις που προβλέπονται από τους κανονισμούς Οδηγία Μηχανισμών, 2006/42/EC - Οδηγία Ηλεκτρομαγνητικής Συμβατότητας, 2014/30/EU - Οδηγία 2011/65/EU όπως τροποποιήθηκε από το 2015/863/EU - Οδηγία WEEE 2012/19/EU - Οδηγία 2014/53/EU (μόνο μηχανήματα με Bluetooth). Εγγυάται περαιτέρω ότι ο σχεδιασμός του μηχανήματος και η σχετική κατασκευή του εκτελείται και υποστηρίζεται από έγγραφα, ακολουθώντας τις αρχικές εργοστασιακές διαδικασίες σύμφωνα με το πρότυπο EN ISO 9001:2015 σχετικά με το σύστημα 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 (solo máquinas con Bluetooth). Se garantiza además que el diseño de la máquina y su producción se han efectuado y documentado de acuerdo con procedimientos de fábrica precisos conforme a la normativa EN ISO 9001:2015 relativa a los sistemas de gestión de calidad.
ET - Tootja ja tehnikale tootmiku koostajaks volitatud isik kinnitabvada oma täieliku vastutuse, et seade, millele käesolev avaldus viitab, vastab järgnevat regulatsioonide põhinõugetele: 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 (ainult Bluetoothiga seadmed). Peale selle on garanteeritud, et seadme projekteerimisel ja tootmisel on järgitud täpset tehaseprotsedure, mis vastab standardile EN ISO 9001:2015 kvaliteedijuhtimissüsteemide kohta, ning et sead toetab ka vastav dokumentatsioon.
FI - Valmistaja ja henkilö, joka on valtuutettu laatimaan tekninen 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 Direktiiv 2011/65/EU sellaisena kuin se on muutettuna direktiivillä 2015/863/EU - Direktiiv WEEE 2012/19/EU - Direktiiv 2014/53/EU (vain Bluetooth-laitteet). Lisäksi taataan, että koneen suunnittelussa ja valmistelussa ja näiden dokumentoinnissa noudetaan 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 Electromagnétique 2014/30/EU - Directive 2011/65/EU telle que modifiée par 2015/863/EU - Directive WEEE 2012/19/EU - Directive 2014/53/EU (uniquement pour les machines équipées de Bluetooth). 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 dhéile, ar a fhithreachaí féin go bhfuil an gléas a mbaineann an ráiteas seo leis i gcomhréir leis na riachtanais atá leagtha amach sna teoiracha seo a leanas: Treoir um inneallra 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 (Measáirí cumaisithe Bluetooth amháin). Deimhnítear freisin go bhfuil dearadh an ghléis agus a dhéantús déanta, agus doiciméadaithe, de réir gnásnara 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 sljedećih direktiva: Direktive o strojevima 2006/42/EC - Direktive o elektromagnetnoj kompatibilnosti 2014/30/EU - Direktive 2011/65/EU izmijenjena i dopunjena 2015/863/EU - Direktive WEEE 2012/19/EU - Direktive 2014/53/EU (samo stroj s Bluetoothom). Također, jamči se da su projektiranje stroja i njegova proizvodnja izvedeni i dokumentirani sljedeć 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, módosítottal módosított 2015/863/EU irányelv - WEEE 2012/19/EU irányelv - 2014/53/EU irányelv (csak Bluetooth-os gépek). 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 szabvánnyal összhangban.
IS - Framleiðandinn, og einstaklingurinn sem hefur heimild til að taka saman teknisköflun, 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: Vélátalskipun 2006/42/EC - Tilskipun um rafsegulviðsamræmi 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 ábyrgð að hönnun vélarinnar og tengd framleiðsla fer fram, og er það skilfest, í samræmi við nákvæmt framleiðsluferil og í samræmi við EN ISO 9001:2015 staðalinn um gæðastjórnunarkerfi.
LT - Gamintojas ir asmuo įgaliojtas sudaryti techninę dokumentaciją, savo atsakomybe pareikšti, 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 (tiksliai Bluetooth apimtas mašinas). 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 sistemos.
LV - Ražotājs un persona, kas ir pilnvarota sastādīt tehnisko dokumentāciju, apņemas 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 pakeiksmām, padarītais 2015/863/EU - Direktīva WEEE 2012/19/EU - Direktīva 2014/53/EU (tikai Bluetooth aprīkotas mašīnas). Tiek arī nodrošināts, ka mašīnas dizains, pēc precīziem biznesa procesiem atbilst standartā EN ISO 9001:2015 prasībām attiecībā uz vadības sistēmu kvalitāti.
MT - Il-manifattur, u l-persuna awtorizzata b'lekk tikkompila l-fajli tekniku jidjikkjarar taht ir l-responsabilita taghhom stess li l-magna li ghalha qed isir din li-diklarazzjoni hija konformi ghar-rekwiziti essenzjali previsti mid direttivi li gjejjini: Direktiva dwar il-Magni 2006/42/EC - Direktiva dwar il-Kompatibilita Elettromanjetika 2014/30/EU - Direktiva 2011/65/EU kif emendata b'2015/863/EU - Direktiva WEEE 2012/19/EU - Direktiva 2014/53/EU (magni biss bil-Bluetooth). Dan jagura wkoll li l-dissinn tal magna u l-produzzjoni taghha jsiru, u jgu ddokumentati wara processi tan-negozjo prezzji li huma konformi ma' EN ISO 9001:2015 dwar is-sistemi ta' gestjoni tal-kwalita.
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 (alleen machines met Bluetooth). 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 - Producenten 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 (kun maskiner med Bluetooth). 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 zaświadcza, że maszyna, 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 (tylko maszyny z Bluetooth). 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 declara, 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 pelo 2015/863/EU - Diretiva WEEE 2012/19/EU - Diretiva 2014/53/EU (apenas máquinas com Bluetooth). E também garante que a concepção 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 și persoana autorizată pentru realizarea dosarului tehnic declară pe propria răspundere că mașina la care se referă prezenta declarație se conformează cerințelor esențiale prevăzute de următoarele directive: Directiva 2006/42/EC Mașini - 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 (numai mașini cu Bluetooth). Se garantează, de asemenea, că proiectarea mașinii și producția acesteia, documentate corepunzător, se efectuează cu respectarea unor proceduri de întreprindere specifice, conforme cu standardul EN ISO 9001:2015 aferent sistemelor de management al calității.
SK - Vyrobc 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 kompatibiliti 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 výrobca je zdokumentovaný, v súlade s presnými firmnými postupmi, ktoré zodpovedajú norme EN ISO 9001:2015 o systémoch riadenia kvality.
SL - Proizvajalec in oseba, pooblašena 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 (len stroje Bluetooth). Jamčimo tudi za obliko sistema in predmetno izdelavo, pri katerih smo opravili postopke in pripravili ustrezno dokumentacijo v skladu z ustreznimi tovarniškimi 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: Maskindirektiv 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 (endast maskiner med Bluetooth). Det garanteras vidare att utformningen av maskinen och därtill hörande tillverkning genomförs dokumenterat, i enlighet med exakta fabriksförfaranden som följer standard EN ISO 9001:2015 om system för kvalitetsstyrning.
TR - Üretici ve teknik dosyayı oluşturmada görevli kişi bu beyanını ilgili olduğu makinelerin, aşağıdaki direktifler tarafından öngörülen temel gerekliliklere uygun olduğunu kendi sorumluluğunda altından 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 (yalnızca Bluetooth özellikli makineler). Bundan başka, makinelerin tasarımı ve ilgili üretimi, kalite yönetimi sistemlerine ilişkin EN ISO 9001:2015 standardına uygun kesin işletme prosedürlerinin idenmesi yoluyla gerçekleştirilmesi ve belgelendirilmesi sağlanır.

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) *(only applicable for machine versions with integrated Bluetooth module)*

[Name and Surname of Special Proxy Holder in charge]

COROB S.p.A.

San Felice sul Panaro, DD/MM/YYYY

1 / 1 | UK DOC IT DSP_01 12_2025

COROB S.p.A.

corob.com

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

Via Agricoltura, 103
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p +39 0535 663111
f +39 0535 663285

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

8.3 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.



NOTE

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.

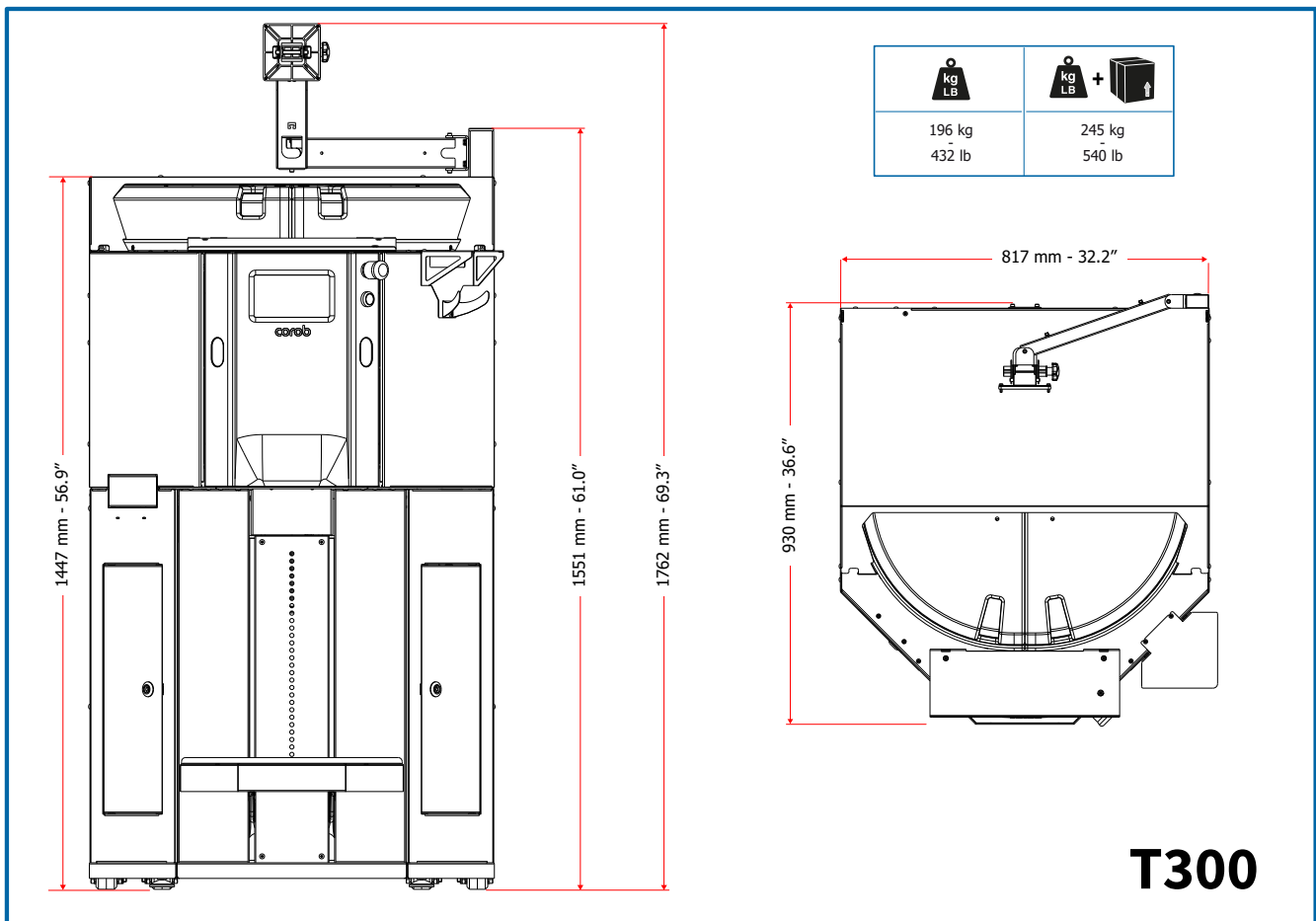
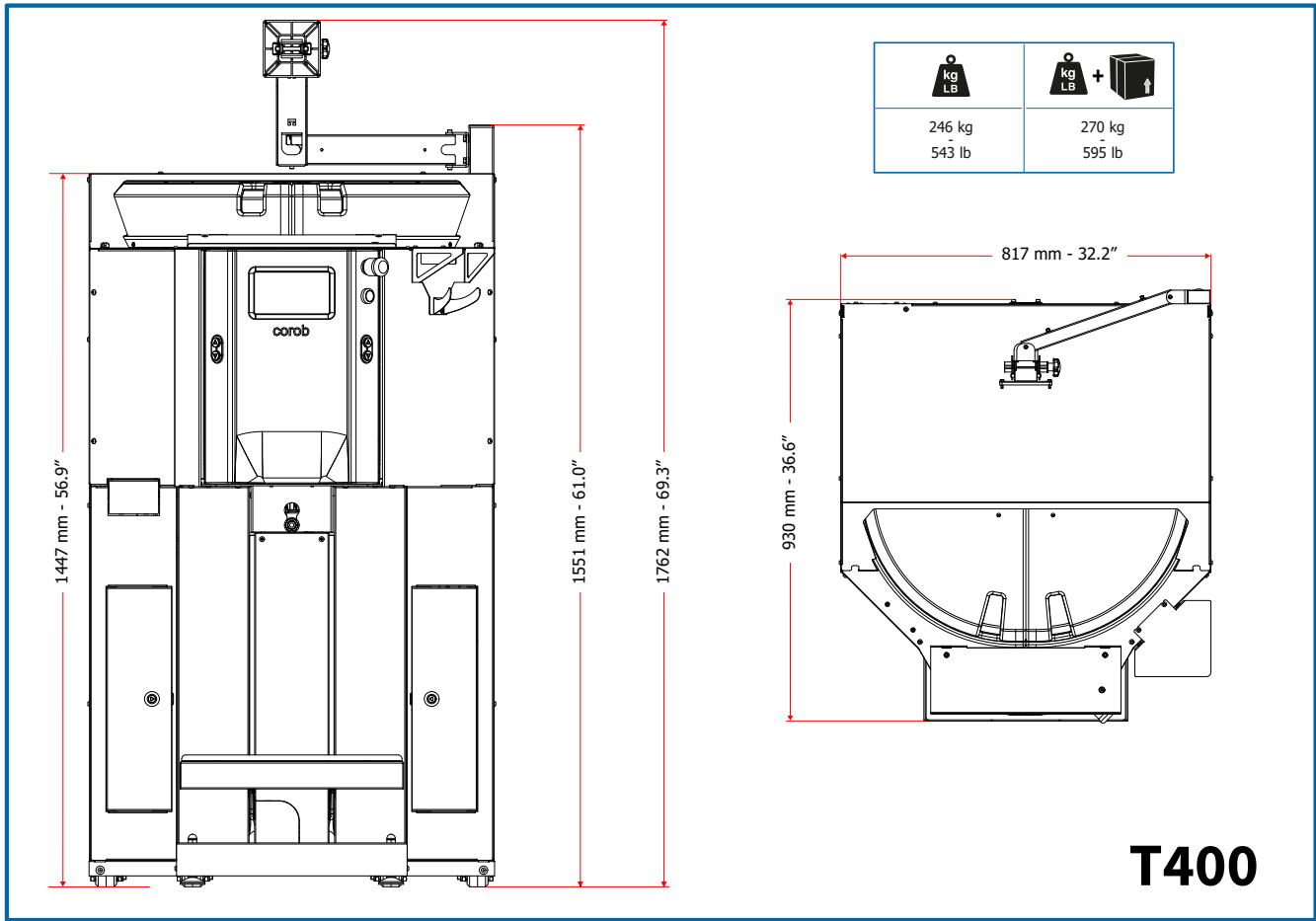
The manufacturer may not be held liable for personal injury or property damage caused by improper use of the equipment or tampering with the guards and safety devices installed on the machine.

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.

8.4 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.



9 ASSEMBLY INSTRUCTIONS

9.1 Manual plugger

