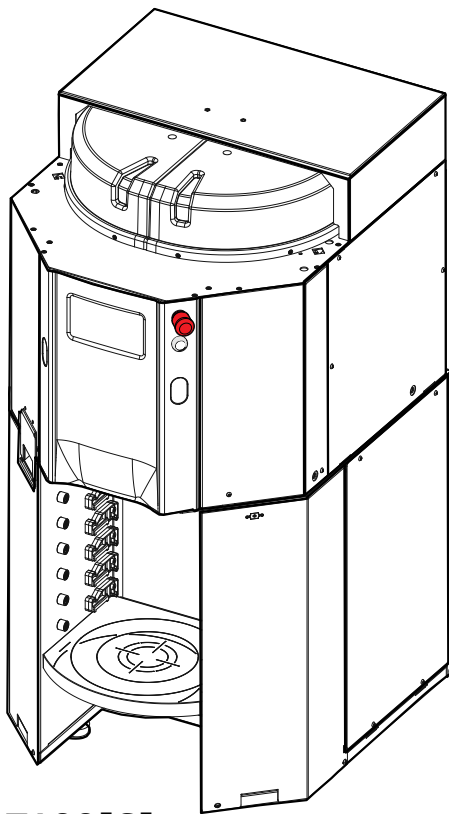


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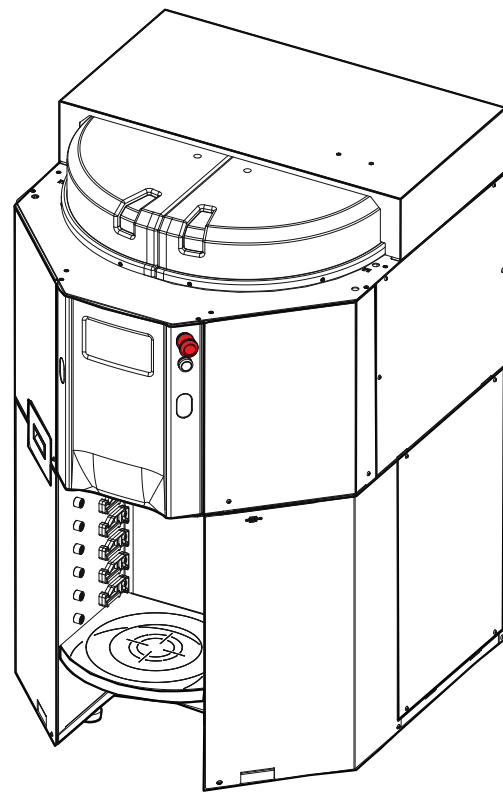
T100

Automatic dispenser

User's Manual



T100[S]



T100[L]



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Product not available for US and China markets.

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

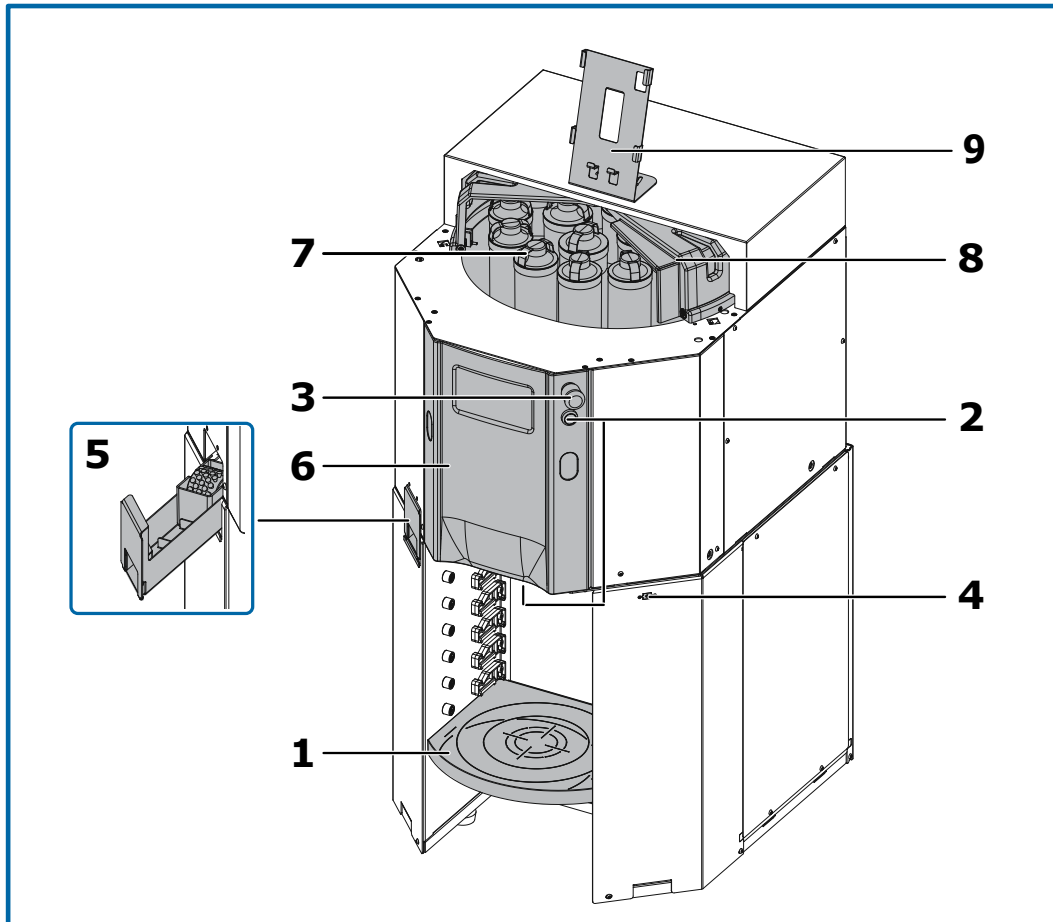
Specialist prepared and trained in a technical field (mechanical and electrical) and assigned by the manufacturer to work on the machine to perform machine installation, adjustments, repair breakdowns or carry out maintenance.

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 color, as selected using the machine management software.

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



The machine is available in the [S] version (small) and in the [L] version (large).

The machine features a manual shelf.

The dispenser consists of:

1. Dispensing area and can handling system.
2. Off-line button and LED light bars.
3. Emergency button.
4. Service USB.
5. Cleaning brush drawer.
6. Front access door.
7. Canister filling area.
8. Canister top access cover.
9. Tablet support bracket (optional).

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.

If the computer is positioned in an area not easily accessible by the operator, it is possible to request the optional function **Easy-On** that allows to turn on the computer using the off-line button (chapter [Off-line button with integrated ON lamp](#)).

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

2.2 Description of units

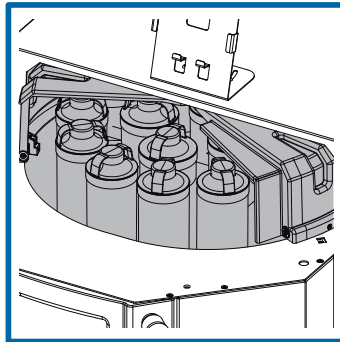
Canisters

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 the chapter on [Refilling the canisters](#)).



Turntable

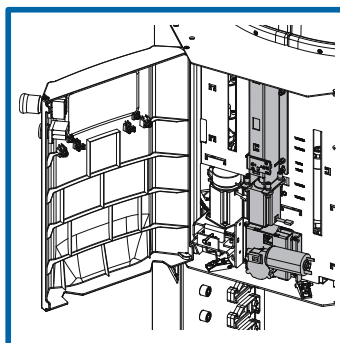
The turntable is a rotating structure that houses the canisters and the corresponding dispensing groups with piston pump.

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.

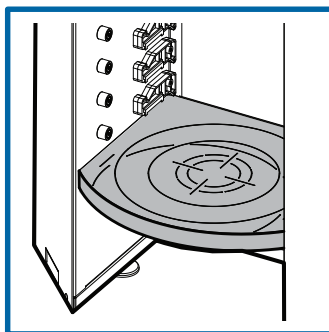
A mechanical group placed frontally, in the dispensing area, operates the piston pump and open and closes the dispensing valve.



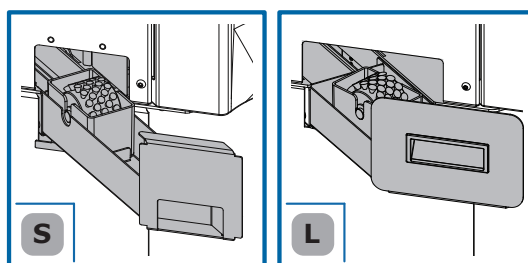
Shelf

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.

The **manually adjustable shelf** is removable and can be positioned at the desired height by simply inserting it in the slots provided.



Nozzle cleaning brush



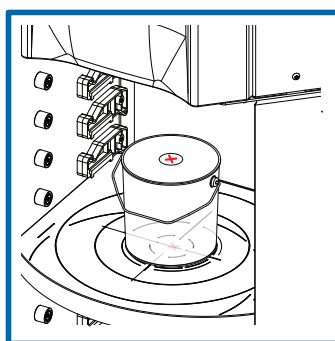
The brush allows to clean the dispensing nozzle of each circuit. The brush is in a container of cleaning fluid.

During the cleaning process, the brush bristles wipe the nozzle of the circuit that glides over it during table rotation.

Bung Hole Locator (B.H.L.)

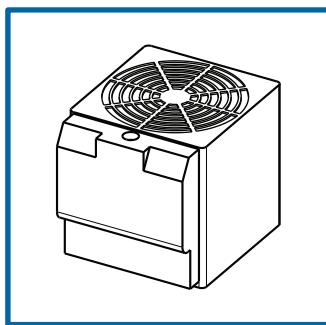
This is a system that emits laser beams that allow the positioning of pre-punched cans, so that the hole is in line with the center of the dispensing nozzles.

It is recommended not to stare the light source.



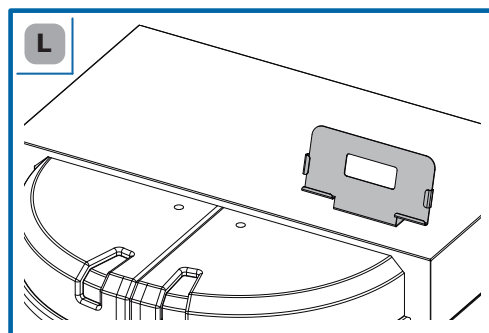
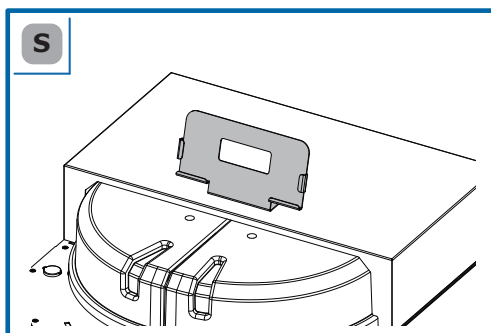
Heater [optional]

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.



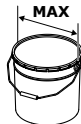
Support for tablet

The tablet support can accommodate a tablet having the following size: 215.4 mm x 136.8 mm x 8 mm.



2.3 Usable cans

	35 kg [77 lb]
---	---------------

	457 mm [18.0"]
	70 mm [2.76"]
	 330 mm [13"]  280 mm [11"]  330 mm [13"]
	60 mm [2.36"]
 	54 mm [2.1"]

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 main sockets 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.
- 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.
- In the event of a sudden power outage, when power returns the machine will automatically be switched on to allow the automatic processes to prevent products from drying out.
- To prevent any risk of electrical shock or injuries, use the machine indoors only. It is prohibited to use the machine outdoors where it could be subjected to rain or high humidity.
- Always unplug the power supply cable from the socket outlet before carrying out any maintenance operations.
- The machine is isolated from the power supply line when the power cable is disconnected; it must therefore be installed near an easily accessible mains socket outlet.
- Do not use extension cords to power the machine.
- Do not use multisockets to connect other equipment to the same socket that powers the machine. Make sure that the power supply of the equipment connected to the machine via serial port, like the computer, is equipotential (which has a single access point to earth) because potential differences cause interferences and/or damage to the serial ports.
- Periodically check the condition of the power supply cable; if it is damaged, replace it with a new cable supplied by the manufacturer.

3.2 Warnings on the use of products



HAZARD

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

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

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

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

3.3 Residual risk

Risk	
	Risk of electrocution - Risk of electrical shock if you power the machine from a socket not equipped with ground connection.
Preventive measure & D.P.I	
Power the machine through a grounded socket outlet.	
Re. in the manual	
ch. Electrical connection and start-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 & D.P.I	
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 & D.P.I	
Do not exceed the weight limits stated by the current regulations in force in the country where the machine is being used. In Europe, the ISO reference values are: (25 kg/55 lb for men, 15 kg/33 lb for women). 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 & D.P.I	
Position the can so that the whole base rests on the shelf surface.	
 	
Re. in the manual	
ch. Using the dispenser	
Risk	
	Risk of slipping / falling - Misuse of the shelf may cause injuries.
Preventive measure & D.P.I	

Do not climb onto the shelf and/or sit on it.

Do not use the shelf as a ladder.



MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)

Re. in the manual

ch. [Using the dispenser](#)

Risk



Risk of explosion

Preventive measure & D.P.I

Do not use the machine in classified areas (areas at risk for explosion).

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

Respect the conditions for the intended use of the machine and the recommendations indicated in chapter [Intended use and misuse](#).

Respect the environment working conditions indicated in chapter [Requirements of the installation site](#).

Re. in the manual

ch. [Intended use and misuse](#)

ch. [Ordinary maintenance](#)

Risk



Risk of burning - (maintenance phase) The heater, which is installed inside the machine, if touched may be hot (max. 70°C).

Preventive measure & D.P.I

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 & D.P.I

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](#)

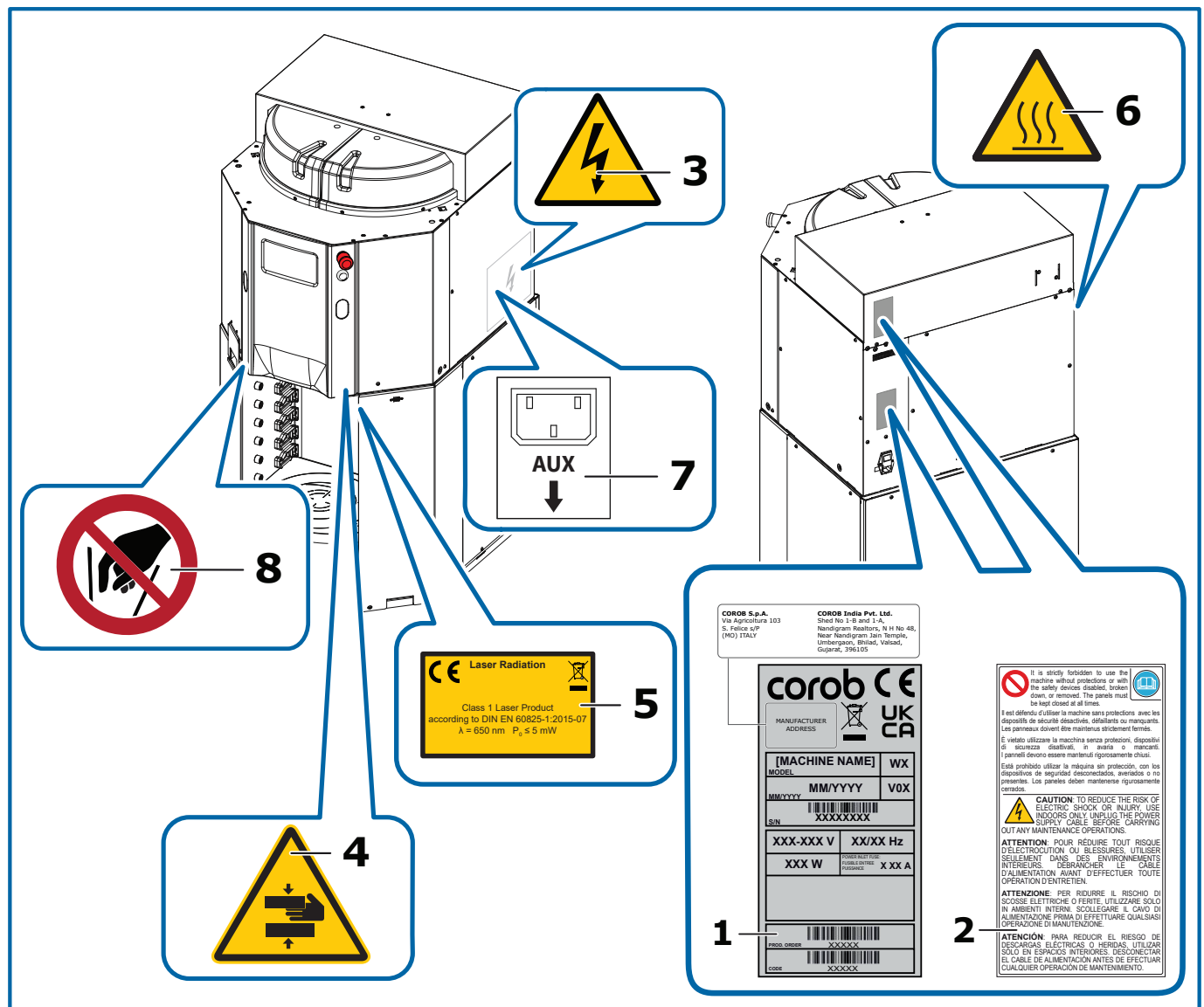
3.4 Position of labels

1. Identification plate (chapter [Identifying information](#))
2. Label “General warnings”
3. Label “Electrical danger”
4. Label “Risk of crushing”
5. Label “Laser info” (with BHL laser only)
6. Label “Risk of burning” (with Heater only)
7. Label “Auxiliary sockets”
8. Label “Do not insert your hands”

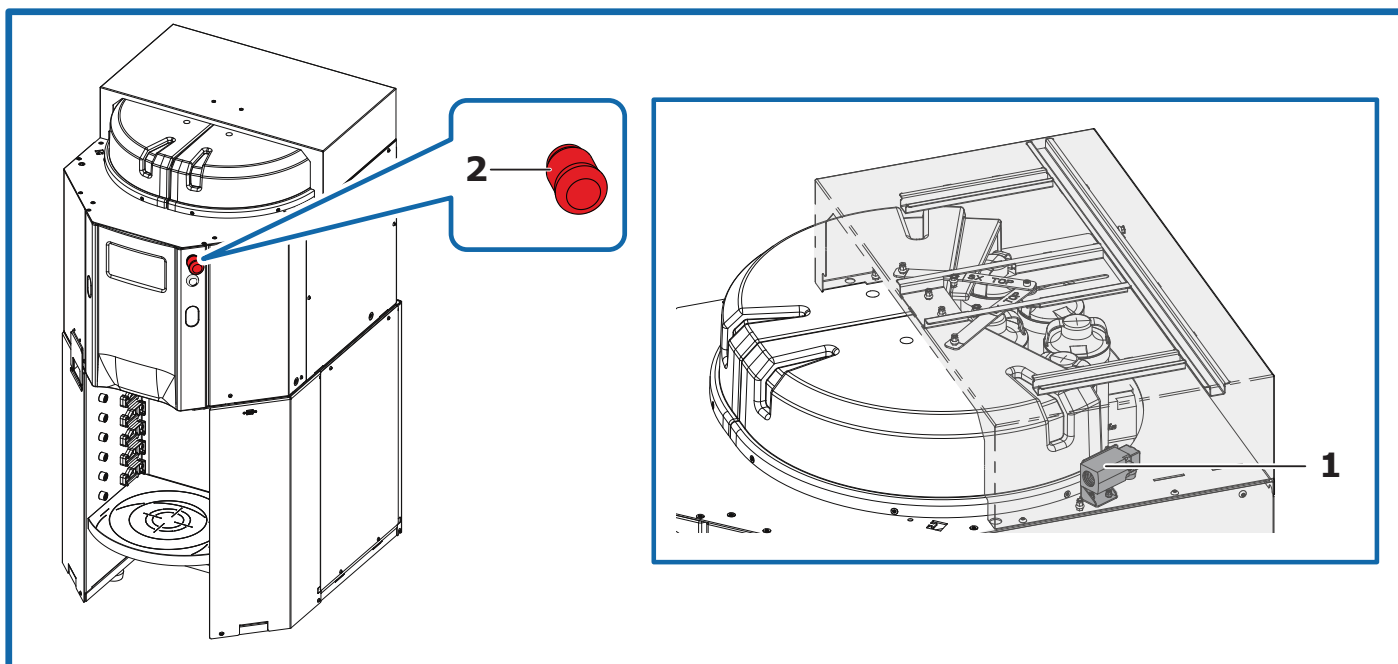


NOTE

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 with integrated ON lamp](#)). 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 button.** To stop the machine in emergency situations or breakdown only.
3. **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. In case of need, contact only the service organization authorized by the manufacturer.

3.6 Emergency stop

In case of a breakdown or dangerous conditions, press the emergency stop button (chapter [Safety devices](#)).

Pressing this button causes all machine dangerous movements to be stopped, by cutting off power supply to all power circuits.

When the machine is in emergency mode, the white lamp of the off-line button is blinking. The LED bars turn red.



HAZARD

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

To completely remove power from the machine it is necessary to shut it off and unplug the power supply cable from the wall socket outlet.



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 signaling devices (chapter [Starting up](#)).

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

Device and action	Expected outcome
Emergency button With the machine on, and with colorant stirring process in progress, press the emergency stop button.	All mobile parts of the machine must stop.
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 machine must remain on but go off-line (fast flashing of the off-line button light / Flashing blue LED). In this condition, the turntable can only be moved at low speed.
The hold-down off-line pushbutton used to move the table. With the machine on and the top access cover of the canisters open, keep the off-line pushbutton pressed.	With the top access cover of the canisters open and the off-line control button held down, the rotating table should 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).
- Ventilated to prevent the concentration of harmful fumes: for example, for a 3 m high, 4x4 m room (total volume of 48 m³) an air change rate [ac/h] of 3 required.
- Temperature between 10 °C (50 °F) and 40 °C (104 °F) and relative humidity between 5% and 85%, without condensation.



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)



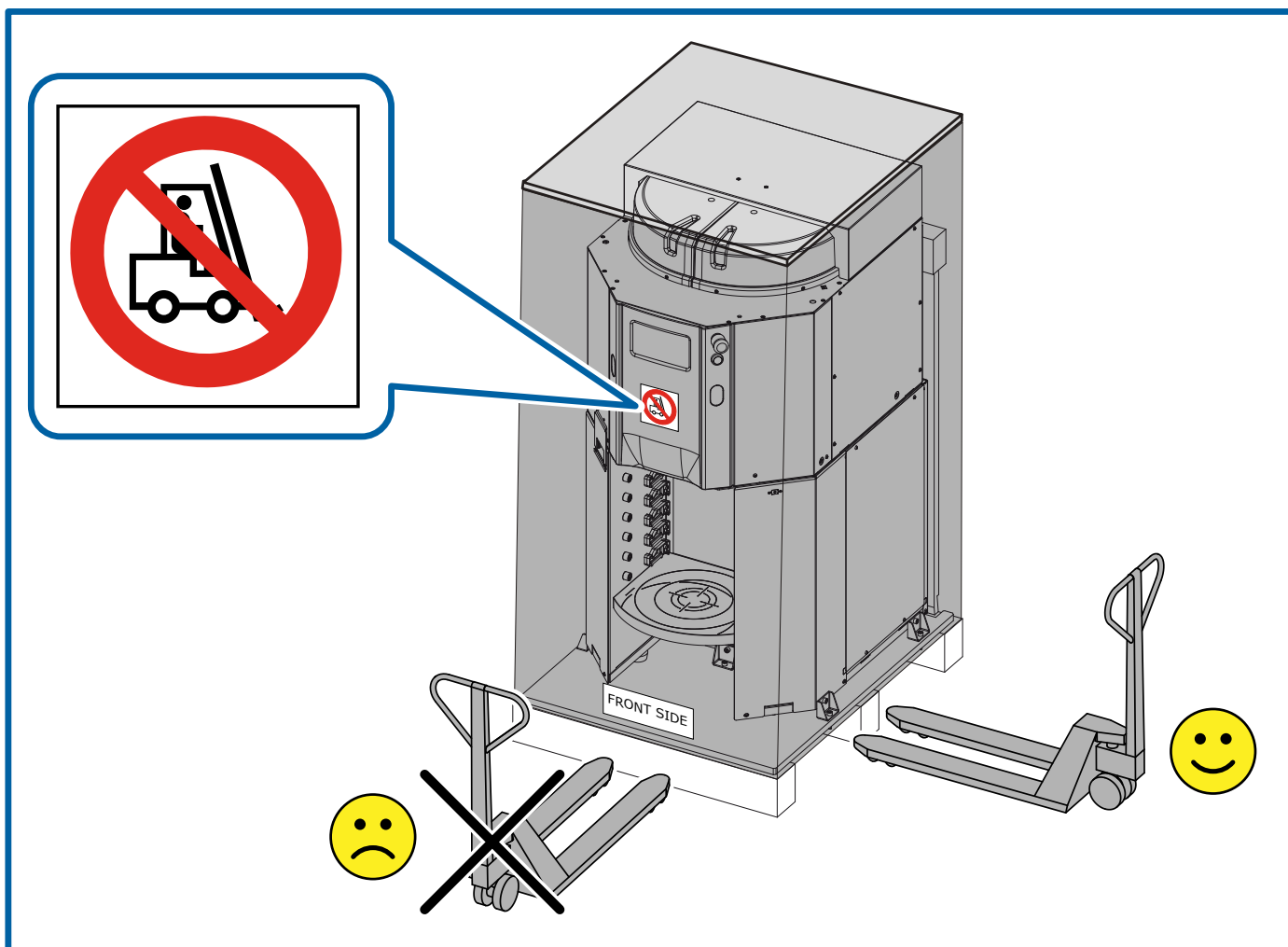
WARNING

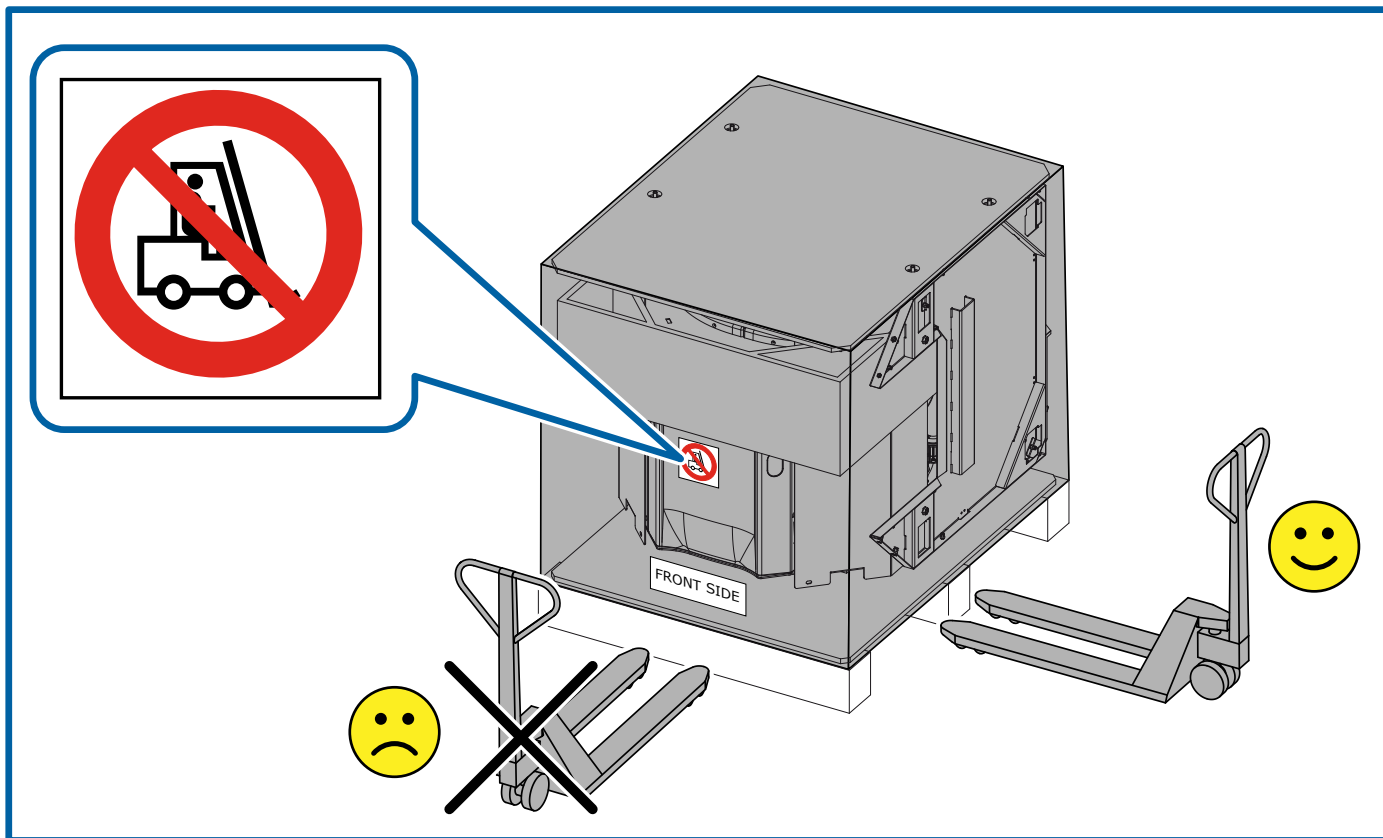
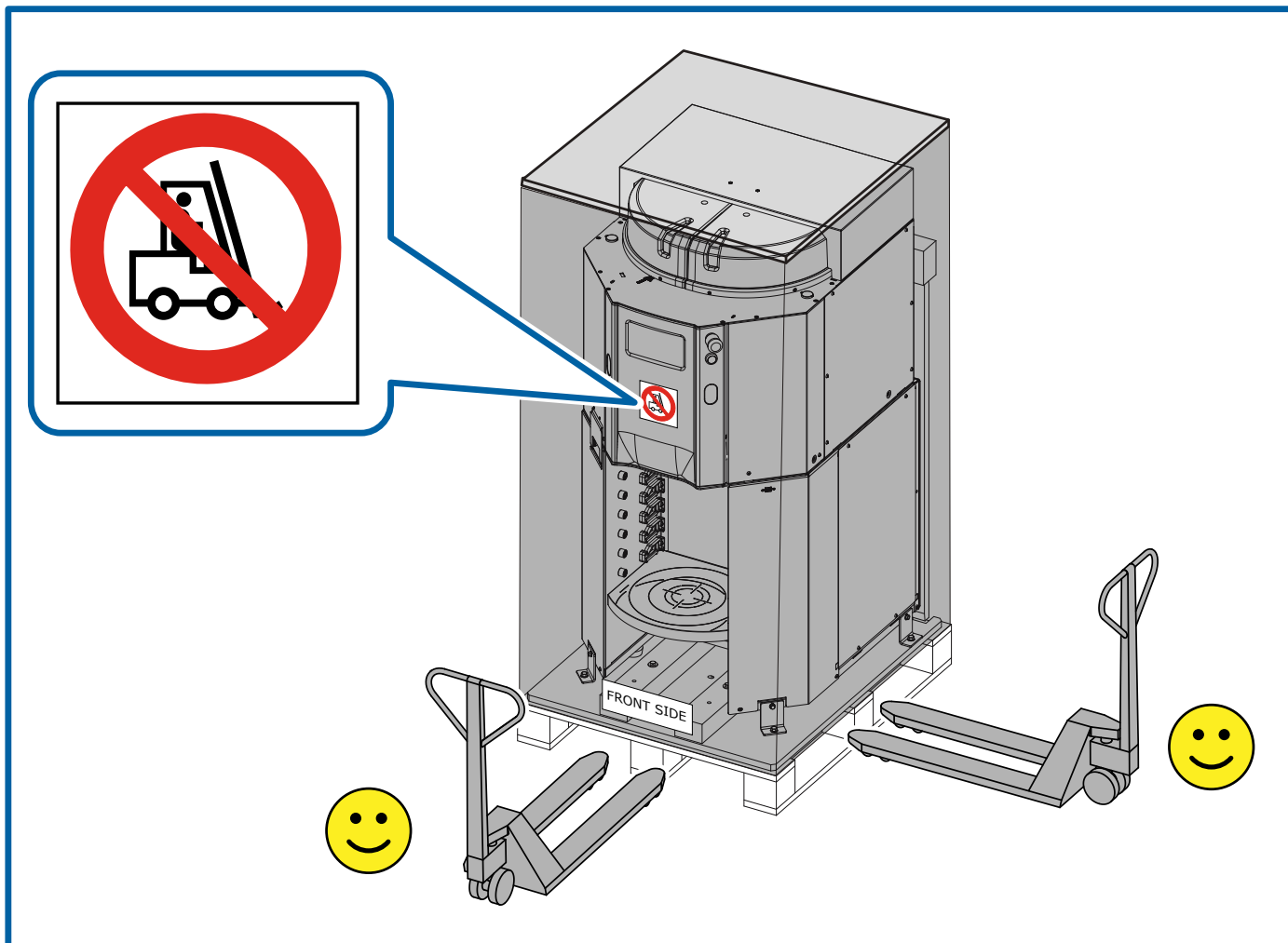
To avoid personal injuries and property damage, use the utmost care and caution when handling the machine, and carefully follow the instructions given in this chapter.



ATTENTION

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

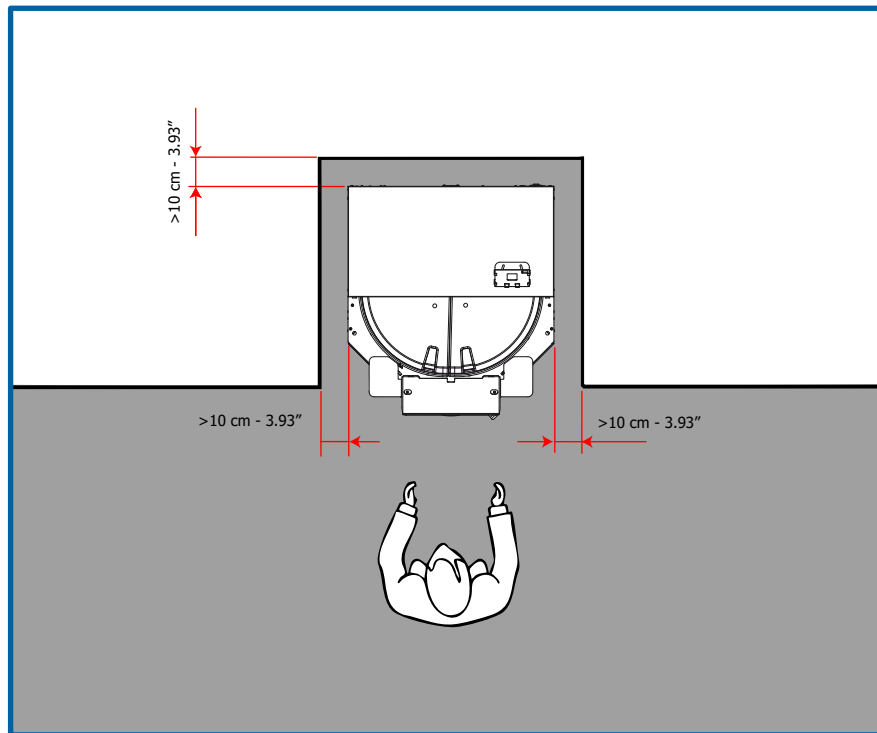






NOTE

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 operator access in case of maintenance.



4.2 Unpacking and placement (Stand-alone machine - option A)

		1 x 13 mm [0.51"] To remove the fixing screws
		1 x 13 mm [0.51"] To adjust machine feet
		TORX T25 To remove the locking bracket of the turntable



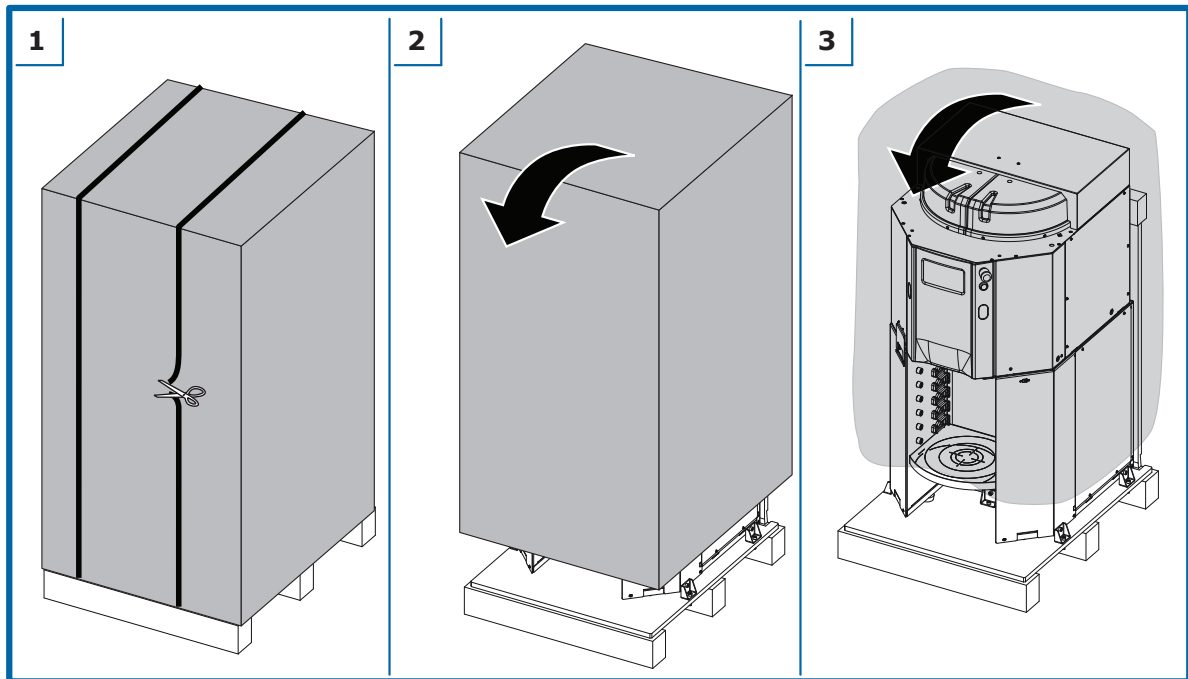
WARNING

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 and for the machine final disposal phase.

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

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



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.

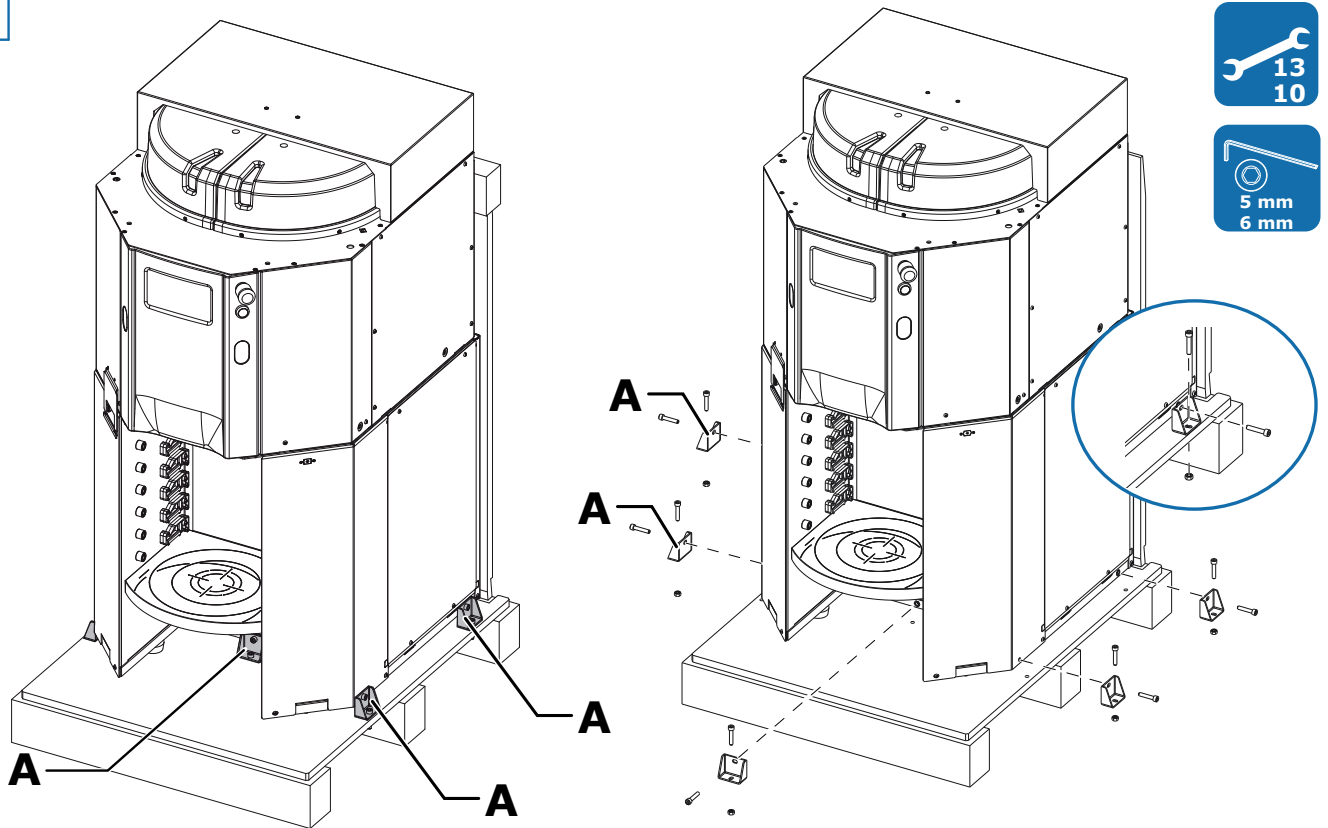
4. Remove the brackets **A** that fix the machine to the base of the pallet.
5. Lower the platforms.
6. Raise completely the two front feet.

Take the platform support (x2) from the accessories box and place as shown. Grasp the machine on the sides (this must be done by at least two people) slide it slowly along the platforms to the ground.s.

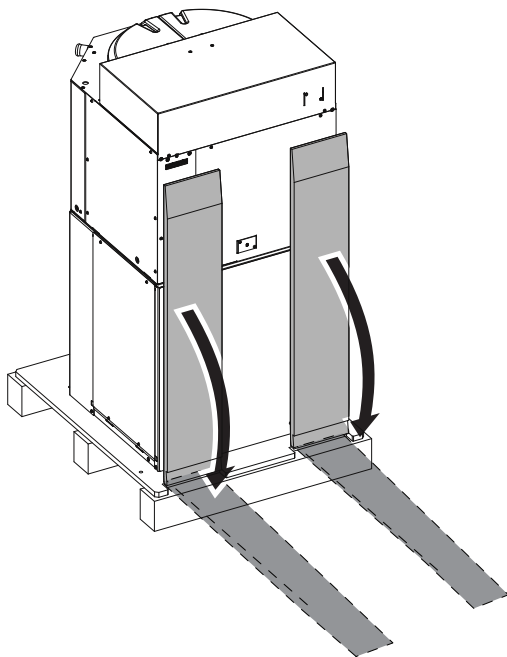
7. Lower the feet to support and level the machine properly, and make sure that the wheels are not resting.

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

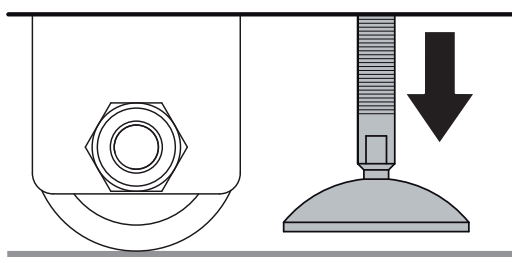
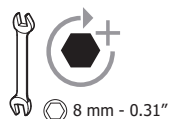
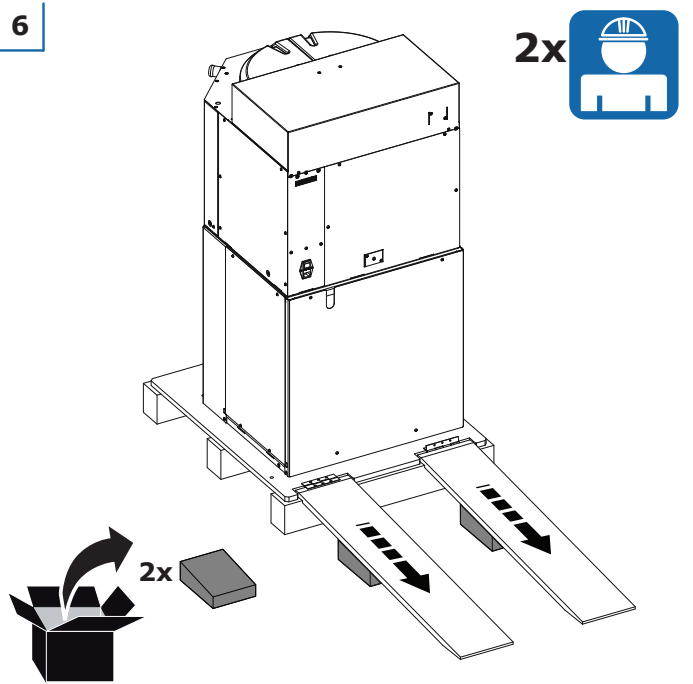
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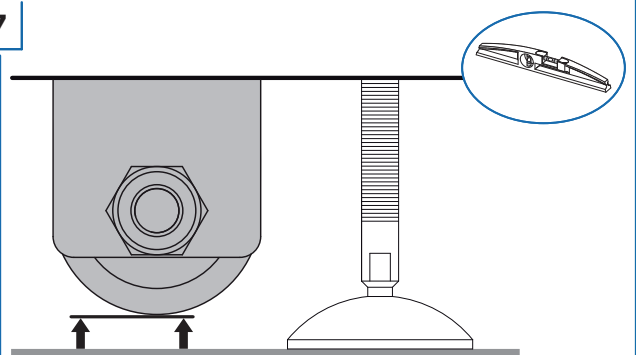
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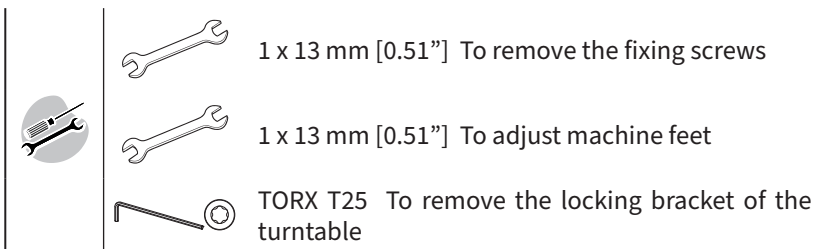
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7



4.3 Unpacking and placement (Stand-alone machine - option B)



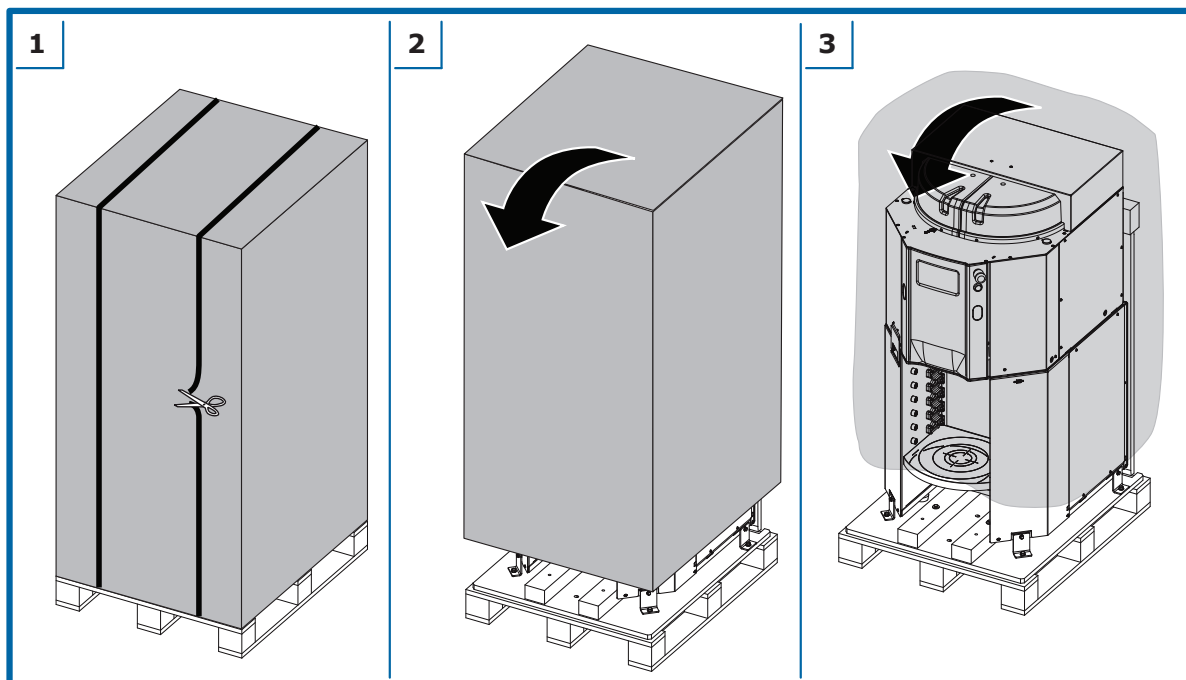
WARNING

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 and for the machine final disposal phase.

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

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



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.

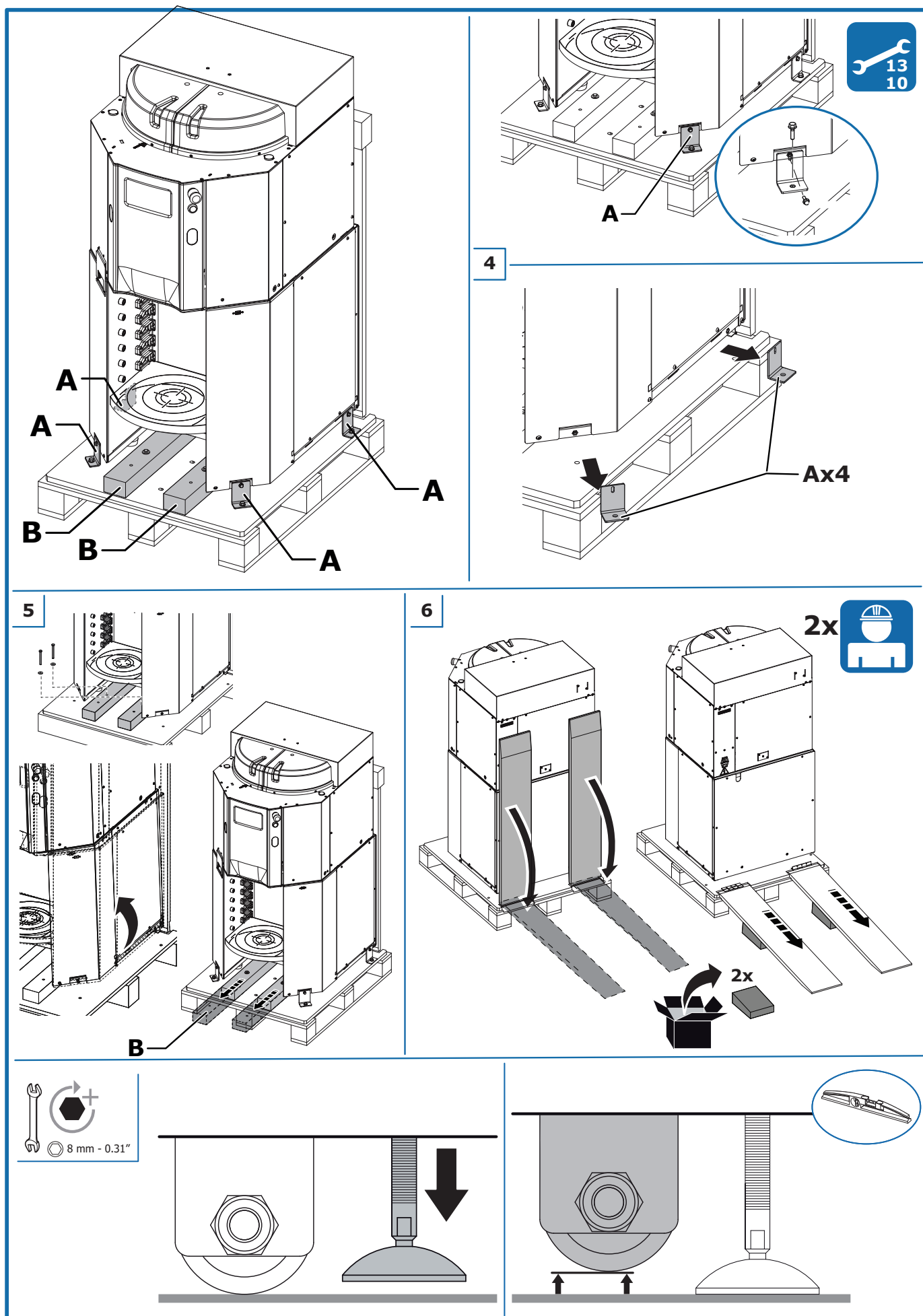
4. Remove the brackets **A** that fix the machine to the base of the pallet.
5. Unscrew and Remove the two wooden beams **B**.
6. Lower the platforms.

Raise completely the two front feet.

Take the platform support (x2) from the accessories box and place as shown. Grasp the machine on the sides (this must be done by at least two people) slide it slowly along the platforms to the ground.

7. 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.



4.4 Unpacking and placement

4.4.1 Collapsed machine - T100 [S] only



-  TORX T25 For fixing the screws
-  TORX T25 To remove the locking bracket of the turntable
-  1 x 13 mm [0.51"] To adjust machine feet
-  1 x 13 mm [0.51"] To fix the machine top assembly

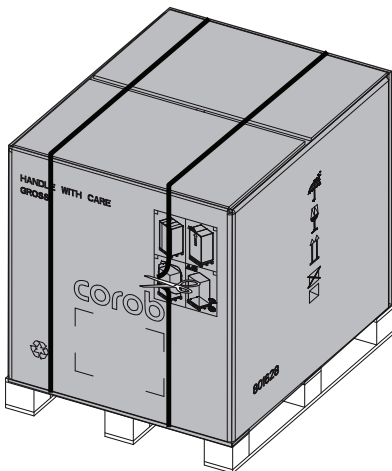


WARNING

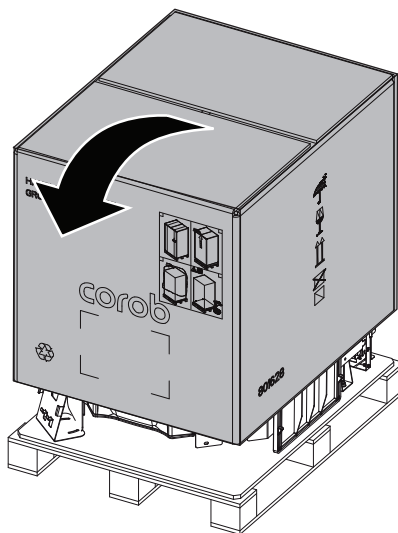
The following procedure must be carried out by at least 2 people.

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

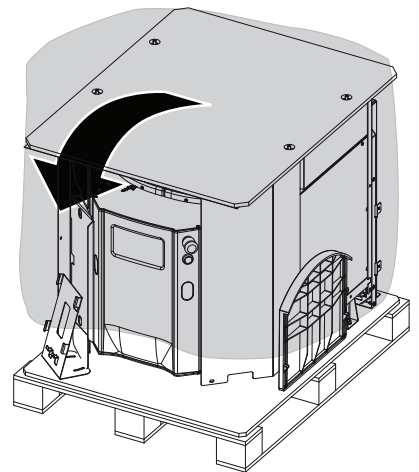
1



2



3



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 wooden cover **A** and foam cover **B**.
5. Remove panels **C,D,E** from right side of the machine top assembly **O**.
Remove the keyboard support **F**, tablet bracket **G** from the front side of the machine.
Remove the shelf plate **H** from left side of the machine.
6. Remove the lower front closure panel **I**, shelf support plates **J** and **K**, base plate **M**, from back side of the machine.
Take out the stick cover sachets from the shown area on the pallet having accessories attached to the machine.
7. Remove the base frame **P**.
8. Assemble the base frame **P** to the assembled base plate **L** using 4 screws.

9. Assemble the shelf support plates **J** and **K** and tighten the screws.

Also make sure the studs (x4) are available on both sides for locating the machine top assembly **O** shown in the picture on one side as circled.

10. Remove the rear side panels **Q**, which are fixed to the machine on either side of the machine top assembly **O**.

11. Remove the 4 screws(2 on each side) along with the nut which are fixed to the pallet bracket and pallet on either side from the machine top assembly **O**.



NOTE

*Lock Nut(X4) fixed to the pallet bracket to be stored for fixing the top assembly **O** with the base frame **P**.*

- 11-A. In case of manual intervention, Take the lifting handles **M(x4)** from the recieved accessories and assemble them on the machine top assembly **O** at shown locations.

- 11-B. In case of automated machine, Take the Eyebolt **N(x4)** from the recieved accessories and assemble them on the machine top assembly **O** at shown locations.



WARNING

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

Each operator must stand at one side of the machine and only grasp the machine using the handles provided.

- 12-A. By holding the handles **M(x4)**, Lift the machine top assembly **O** and place it on the machine base frame **P**, by matching the 4 holes with the 4 studs present on the base frame. Now, tighten the screws with the lock nuts (x4) removed from the pallet bracket. At the end, remove handles **M(x4)** and store for future use.

Also fix the machine top assembly **O** to the shelf support plates **J** and **K** with 2 screws on each side (place them from beneath).



NOTE

To center the holes, use a small wrench or tool, then tighten.



NOTE

WHILE lifting the upper machine assembly, the power box cable(used for earthing purpose) should be inserted into the hole present in the lower machine assembly.

- 12-B. With the help of Crane by connecting the rope to the Eyebolt **N(x4)**, Lift the machine top assembly **O** and place it on the machine base frame **P**, by matching the 4 holes with the 4 studs present on the base frame. Now, tighten the screws with the lock nuts (x4) removed from the pallet bracket. At the end, remove Eyebolt **N(x4)** and store for future use.

Also fix the machine top assembly **O** to the shelf support plates **J** and **K** with 2 screws on each side (place them from beneath).



NOTE

WHILE lifting the upper machine assembly, the communication cable (USB cable) should be inserted in the compratment.

13. Remove the locking bracket (chapter [Removing the locking bracket](#)) and assemble the panel **E** on back side of the machine.



NOTE

Connect the barrier photocell cables to both the right and left sides.

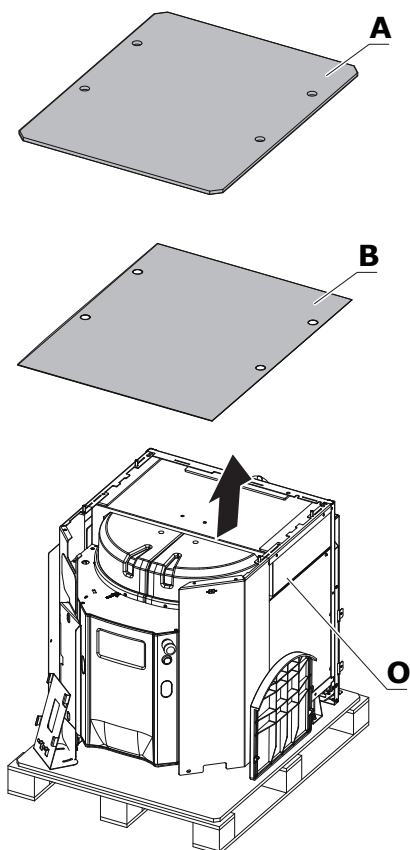
14. Assemble the lower front closure panel **I** on the machine by means of the triangular lock (available in the accessories).

15. Assemble the panels on all machine sides (**C**, **D**, **Qx2**).

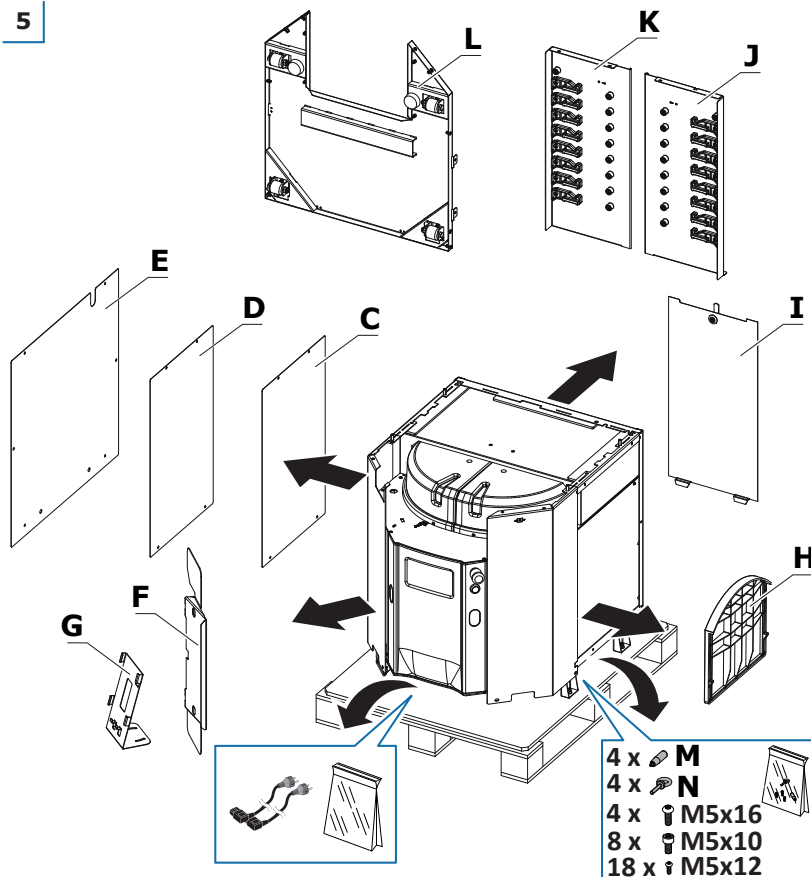
16. Assemble the tablet bracket **G**.

17. Place the shelf plate **H** in the slot provided.

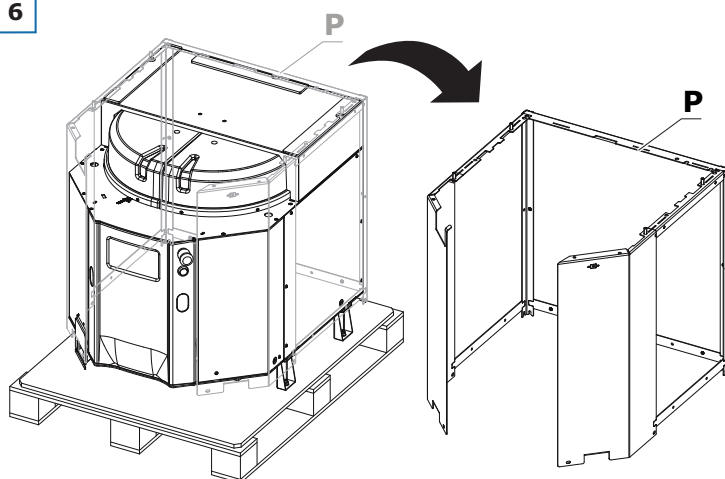
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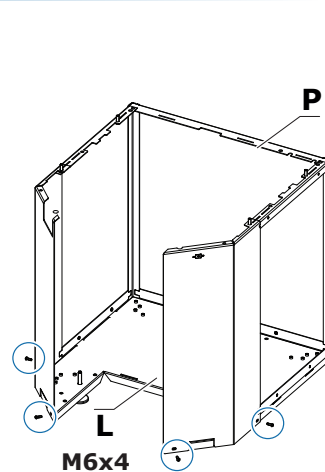
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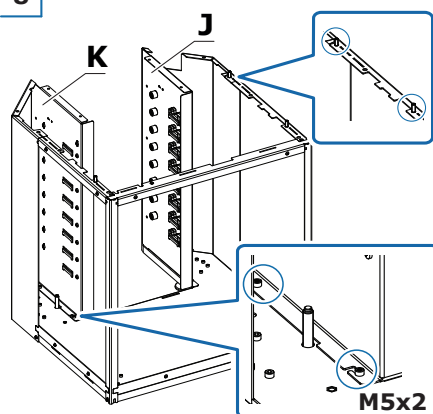
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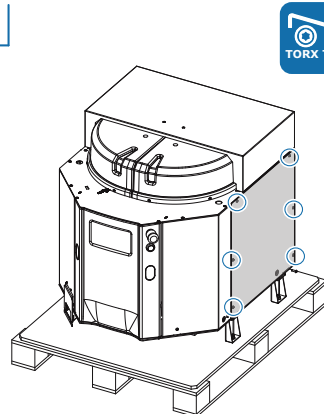
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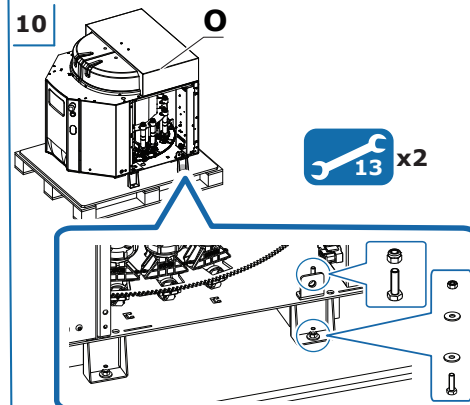
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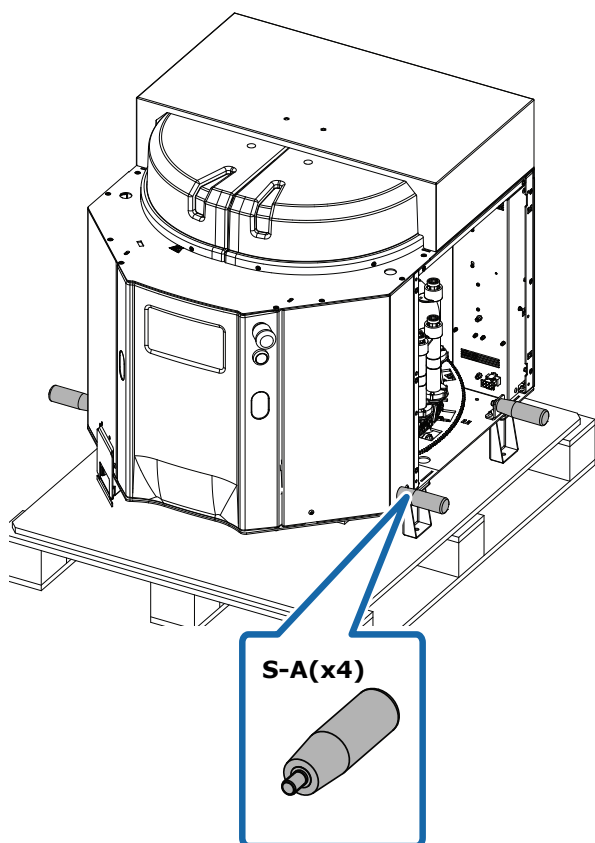
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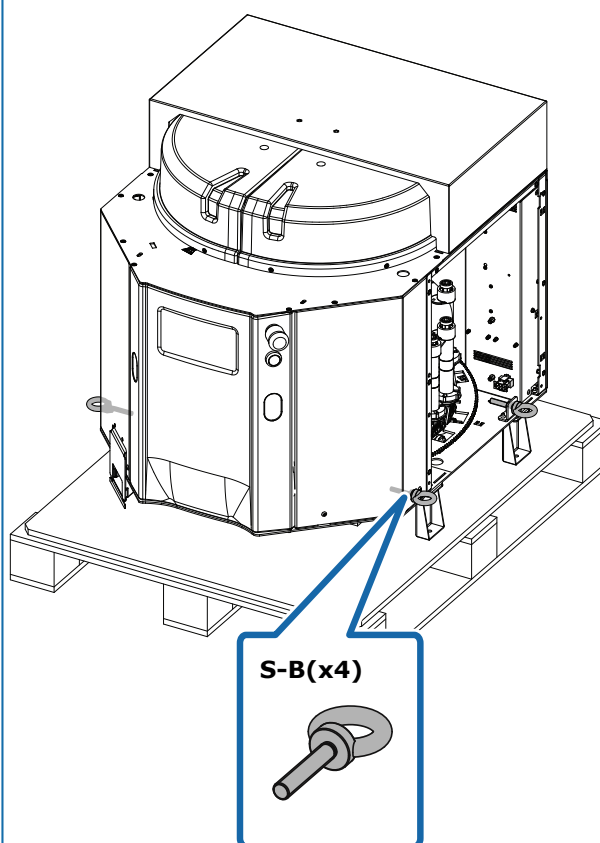
10



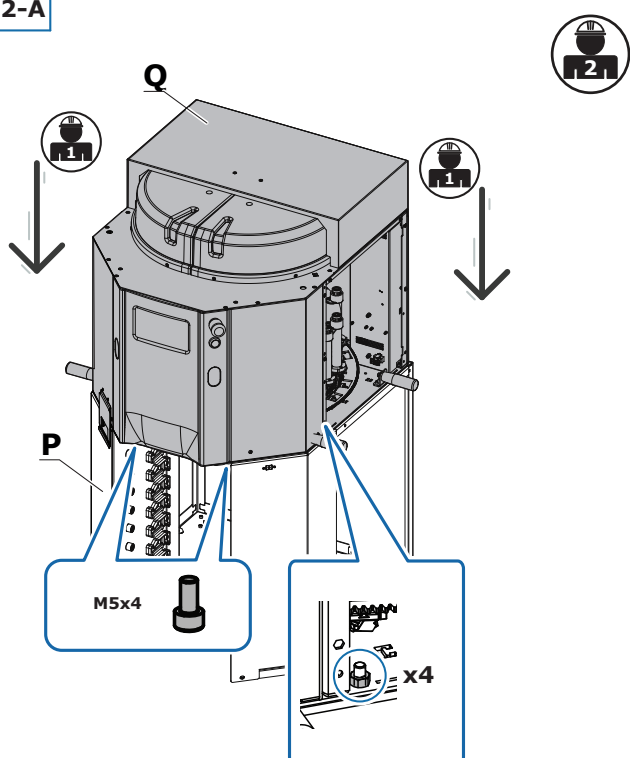
11-A



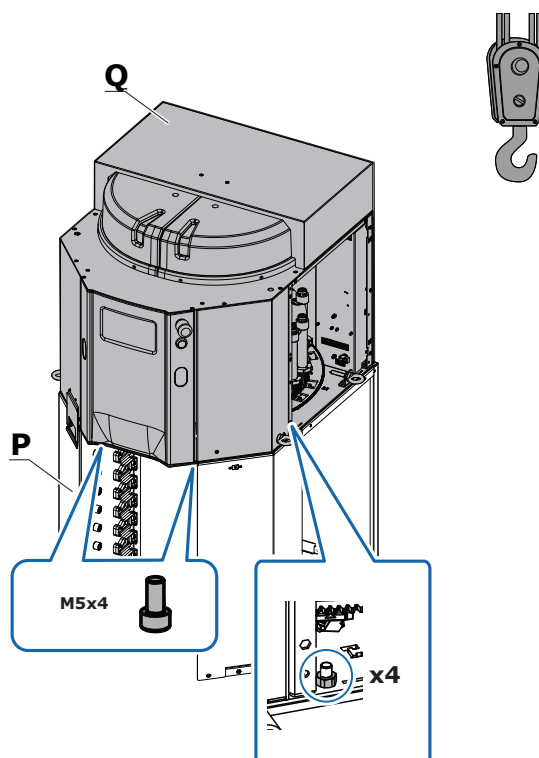
11-B



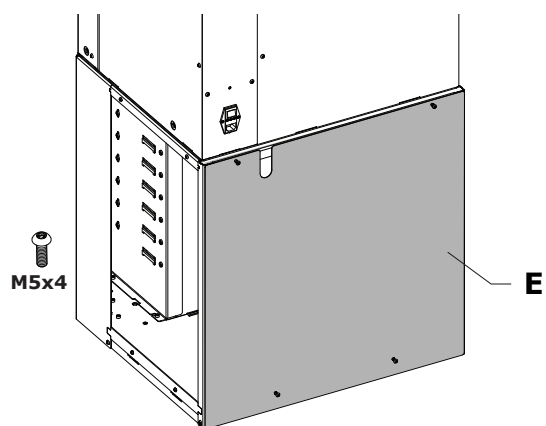
12-A



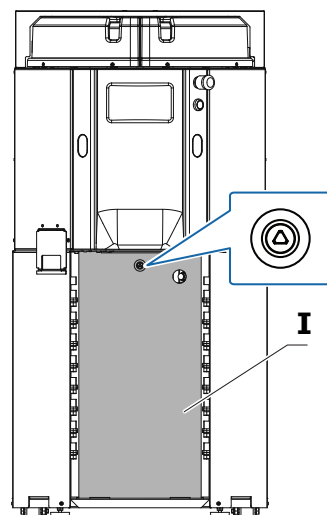
12-B



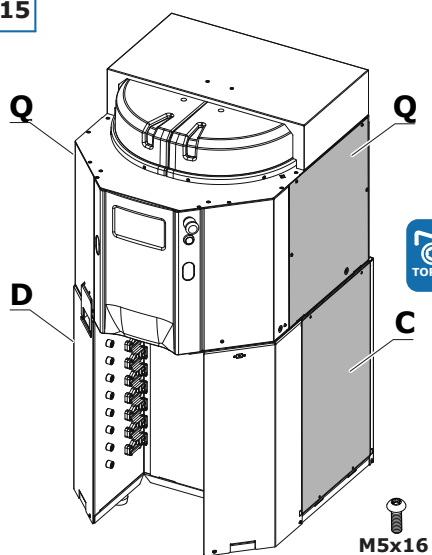
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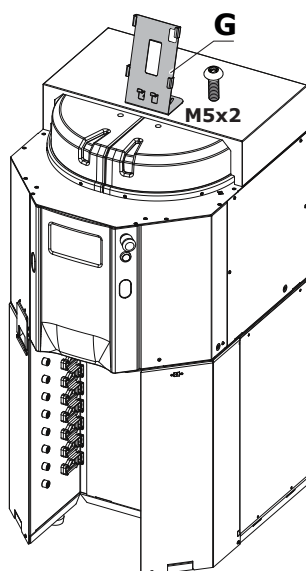
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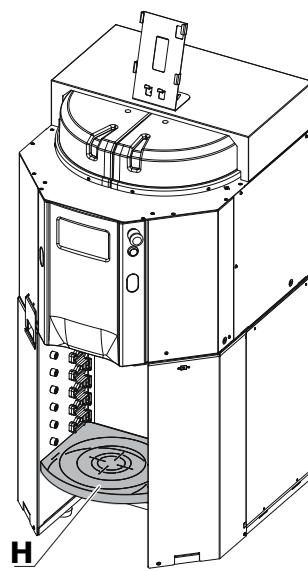
15



16



17



4.4.2 Standard material supplied

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

1. Power supply cable.
2. USB cable.
3. Product documentation.
4. Spare parts.

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

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

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

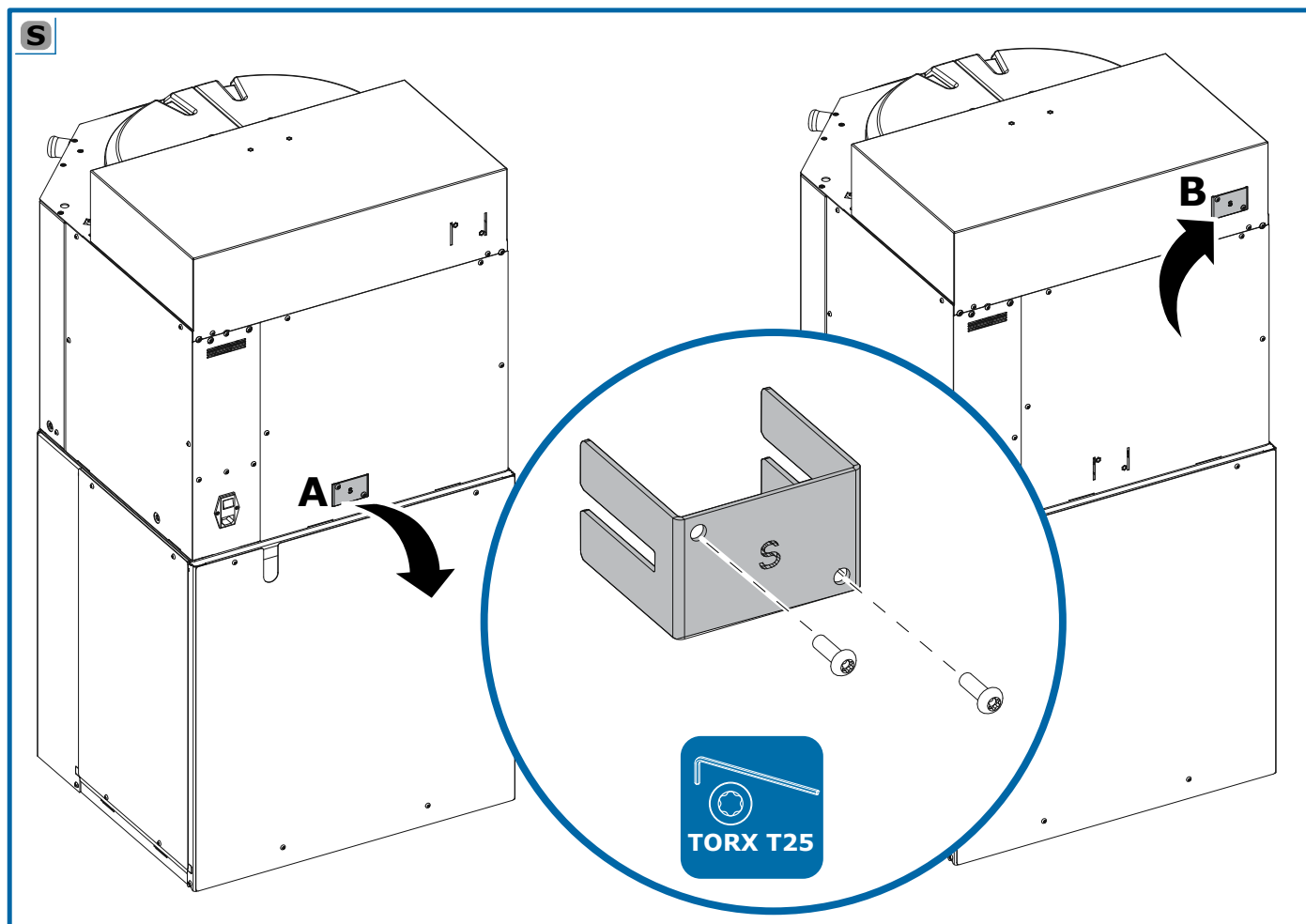
4.5 Removing the locking bracket

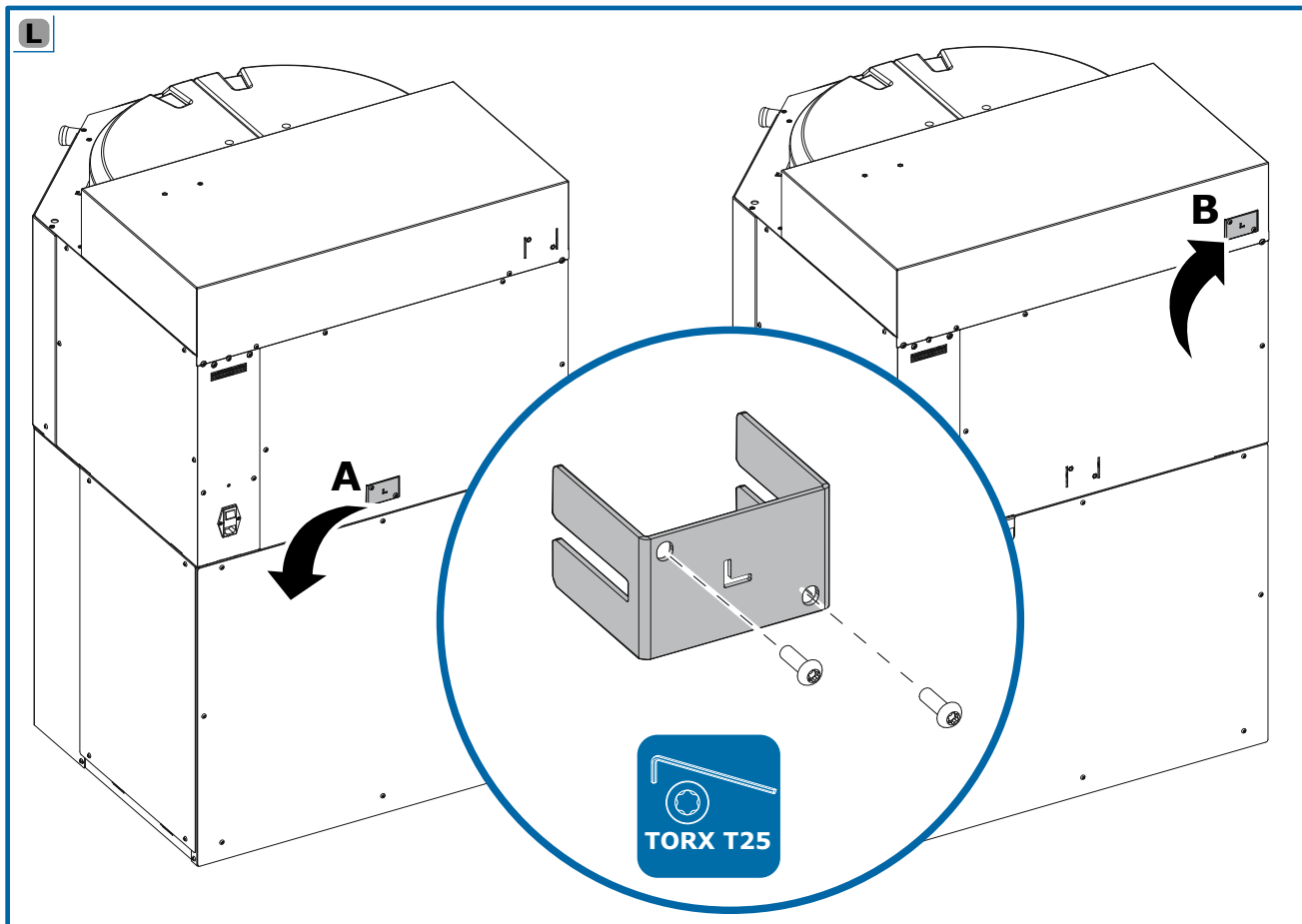


WARNING

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

Keep the bracket for future use.





4.6 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.

4.7 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)



HAZARD

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

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

Do not use extension cords to power the machine.

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

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

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 Management computer

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

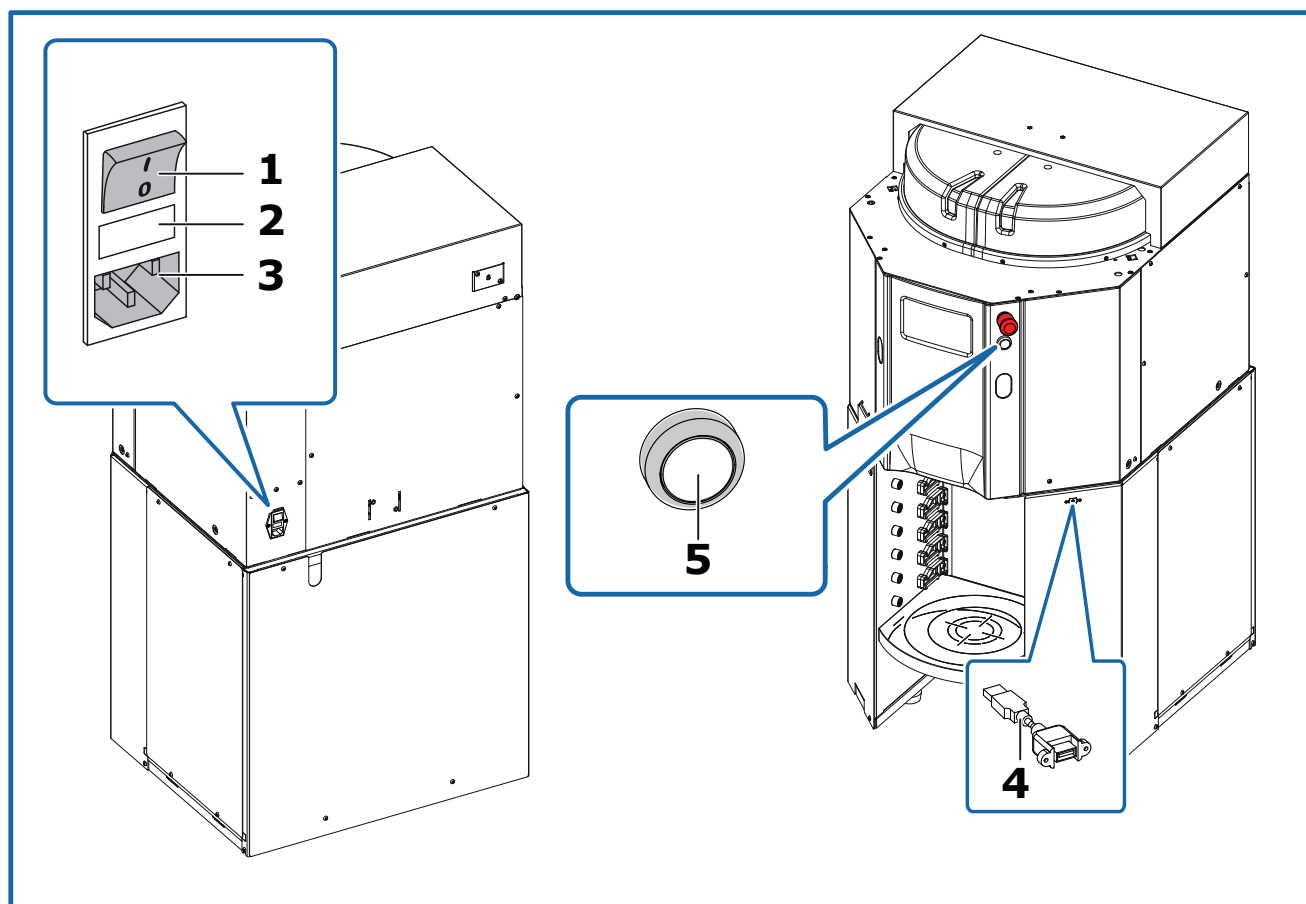
If the machine is supplied with the option **COROB Connect**, it will be possible to drive it through the use of an Android or Windows device, with its corresponding dispensing software. The connection between the device where the dispensing software is installed and the machine is automatic.

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

The complete installation of the machine, including computer connection, management software installation and system configuration, must be carried out by a specialized maintenance technician.

5.3 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. **Service USB serial port (extension)**
5. **Off-line button with ON lamp** - To interrupt machine functions, without shutting it off. The ON lamp indicates that the machine is powered. With the hold-down command and with the upper canister access cover open it is easy to rotate the table safely. If the Easy-On option is present, the button is also used to switch on the computer.



5.4 Off-line button

The off-line pushbutton can have various functions:

Function	Meaning
Off-line	To interrupt the machine's functions without turning it off.
Table movement button	The off-line button can also be used as a safety device. The safety device function is active only when the upper access cover of the canisters is open and the hold-down off-line push button, a maintained-action control, is pressed to allow the table to be moved.
Easy-On	If the Easy-On option is available, this button is also used to turn on the computer (see chapter “Easy-On” computer function (optional))

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.

5.5 LED light bars

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

Color	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 with integrated ON lamp). Slow blinking = transitional state between on-line and off-line Fast blinking = offline state. Only in this condition can the machine be brought back online.
Green (solid)	The can is positioned (the sensor has detected it) and it is possible to proceed with dispensing.
White (solid)	Machine is dispensing.
Red (solid)	Machine in emergency stop condition.
Red (blinking)	Fault condition.
Magenta (solid)	The top canister access cover was opened and the safety switch was activated (ch. Safety devices). or the brush presence has not been detected (either the brush is not present or the drawer is open).
Magenta (blinking)	The top canister access cover was opened, is not ready to receive the sustained action command (off-line button) for moving the rotating table.

5.6 “Easy-On” computer function (optional)

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

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

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

LED light bars	the LED light bars turn on in a 4- color sequence
-----------------------	---

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

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

5.7 Electrical connection and start-up



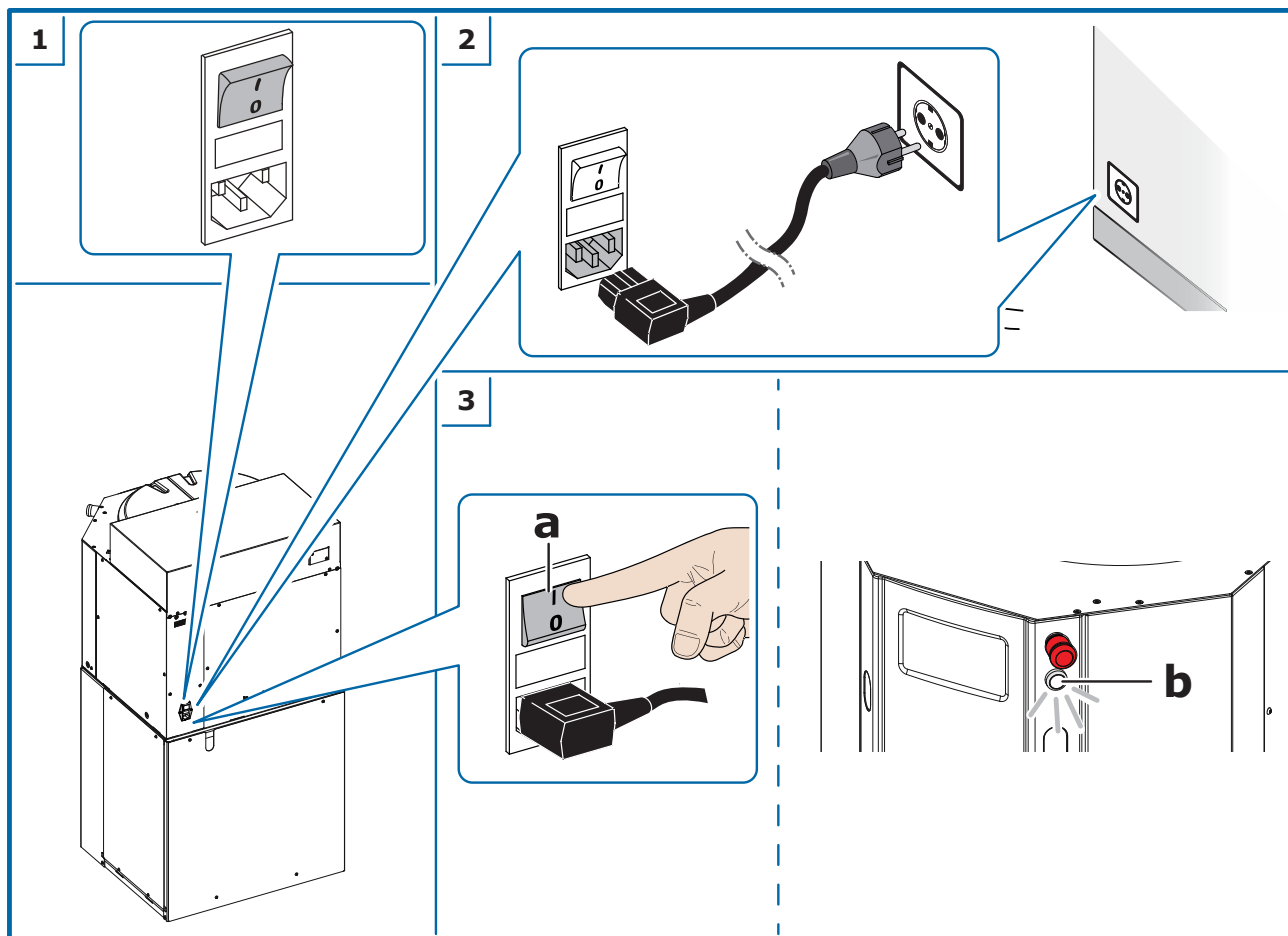
NOTE

If the ON lamp of the off-line button or 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 ON lamp of the off-line button blinks fast or the LED light blinks blue, this means that the machine is in the off-line status. To restore the on-line normal condition:

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



5.8 Shut-down



NOTE

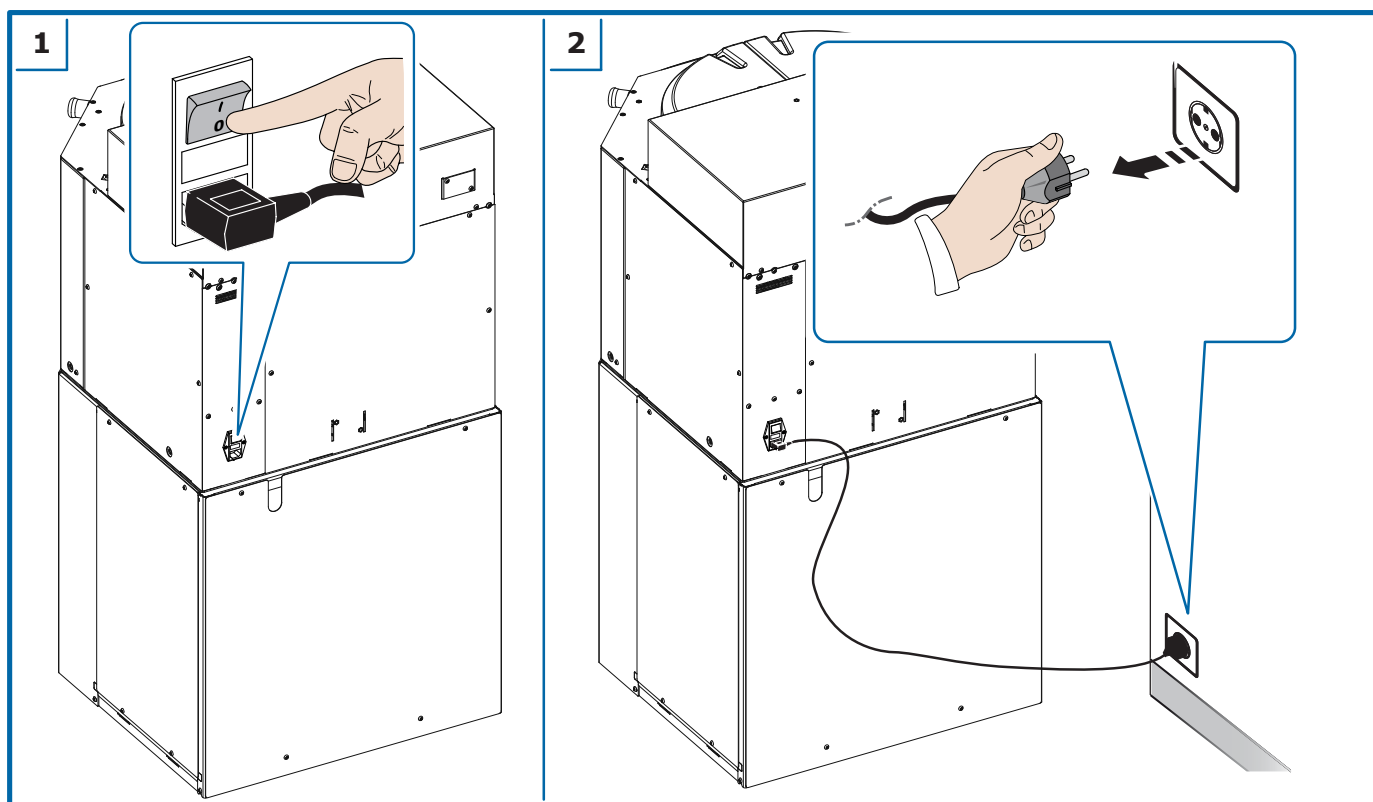
WE RECOMMEND THAT YOU NEVER SHUT DOWN THE MACHINE, even when closed for business, because the automatic, timed functions help keep the colorant preserved and homogeneous.

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 sequence of operations indicated. This ensures correct use of the machine, reduces potential risks for the operator, and prevents 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).

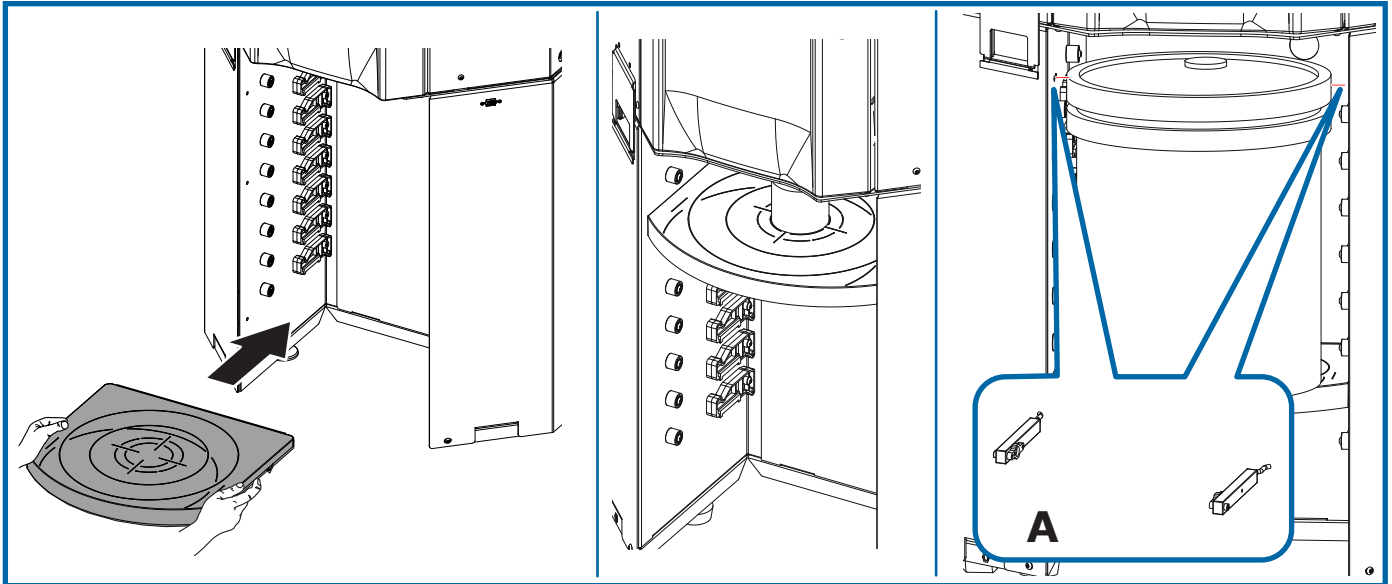
6.3 Running the machine

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

Steps:

1. Make the appropriate selections from the software (choose the product, formula and cansize).
2. Load the can in the machine:
 - with manual shelf (ch. [Loading the can](#))
3. Adjust can position with respect to the dispensing center.
 - with can centering device (ch. [Use of can centering device and Bung Hole Locator](#))
 - with Laser B.H.L. (ch. [Use of can centering device and Bung Hole Locator](#))
4. Via the software, enter the formula dispensing command (ch. [Dispensing](#))
5. When dispensing is finished, remove the can and proceed with another dispensing process.

6.3.1 Loading the can



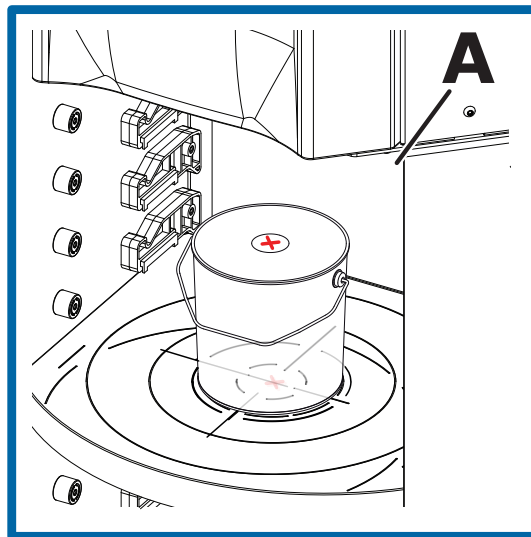
1. Insert the manually adjustable shelf in the slots provided, based on the size of the can to be used.
2. Place the can on the shelf, making sure that photocell **A** is obscured (the green LED light turns ON, if present). Place the can in the centering ring of the suitable diameter. Position the can so that the hole on the can lid is well centered under the dispensing nozzle.



WARNING

Do not climb onto the shelf and/or sit on it. Do not use the shelf as a ladder.

6.3.2 Use of can centering device and Bung Hole Locator



With can centering device

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

With Bung Hole Locator

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

6.4 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.

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



ATTENTION

Do not remove the access panel of the second opening, as the second opening is reserved for manual procedures that can only be performed by qualified and properly authorized COROB personnel.

6.5 Automatic processes

The machine executes the following automatic timed processes:

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

The recirculation and cleaning processes are **sequential**, meaning they are carried out one circuit at a time, and they involve rotation of the turntable.

The stirring process is one, for all canisters.

The stirring can be active (controlled by a stirring motor) or passive (driven by turntable rotation).

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.

6.6 Refilling the canisters



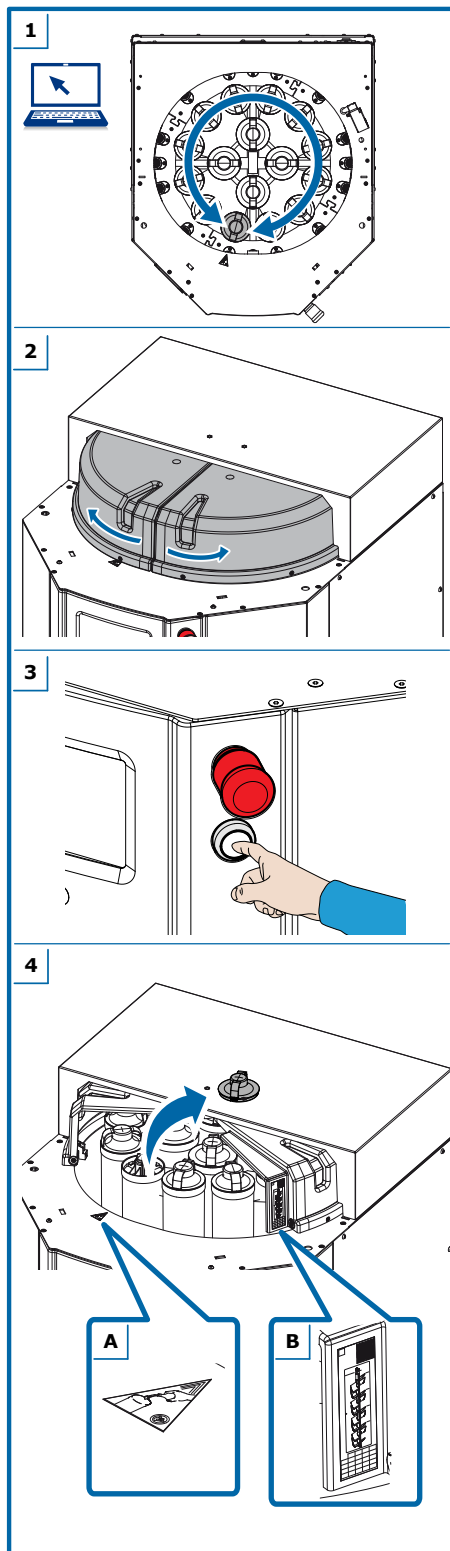
This information label, located on the machine, shows the operator the correct position for safely and properly refilling the tanks.

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 covers 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 mode (Magenta (blinking) on LED light bar) and the timed processes are interrupted. In this condition, it is however possible to send the turntable rotation command at low speed, to position the circuits in a position suitable for filling the canisters while keeping the upper cover open.
3. Press and hold the offline button to enable the rotation of the turntable rotation, which will position the circuit in the correct position for filling.
4. Remove the lid of the canister to be filled.
 - A. This label indicates the refilling position of the canister.
 - B. This label indicates the refilling instructions.

**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**

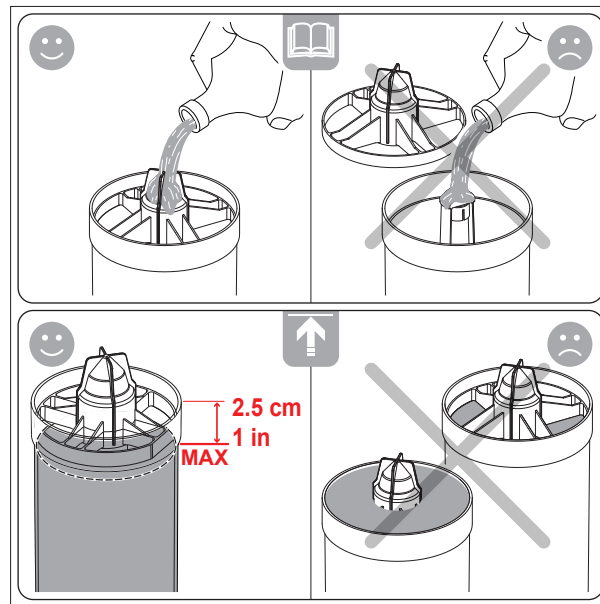
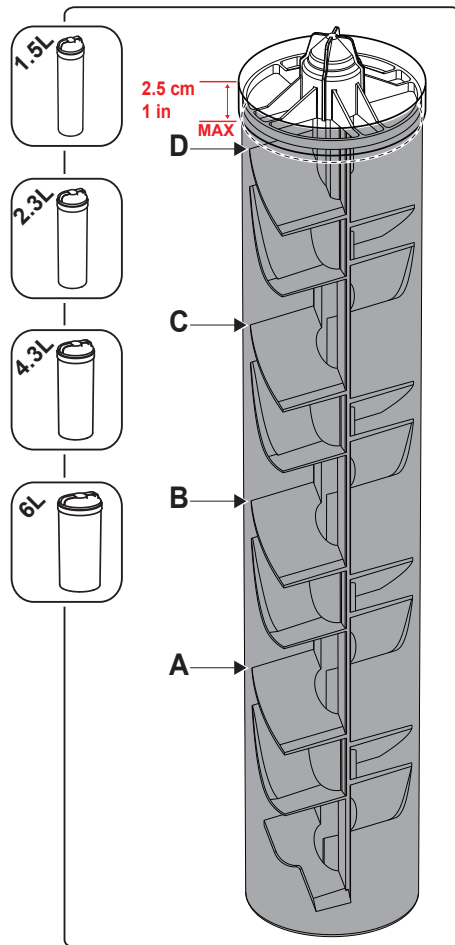
To avoid colorant spills from the shaft of the stirring system, it is essential that you **DO NOT REMOVE** the bottle drainer while topping up. The colorant level **MUST NOT** exceed the maximum level, as indicated in the filling scheme. Colorant spills cause the circuit pumping unit to be blocked.

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

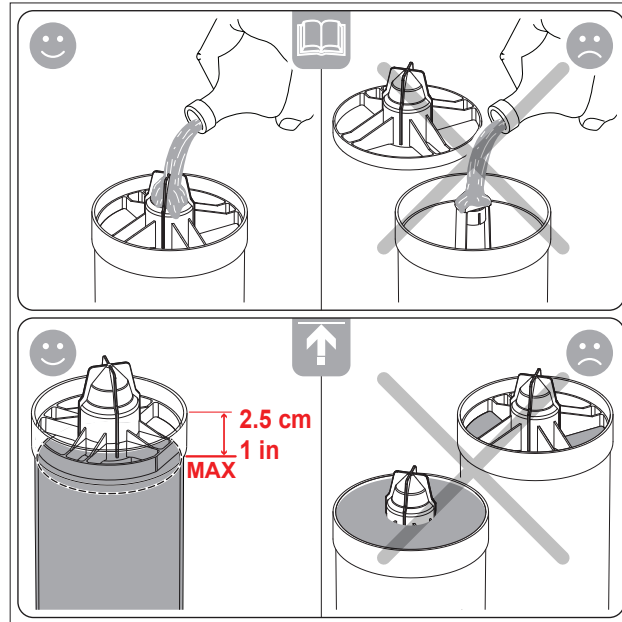
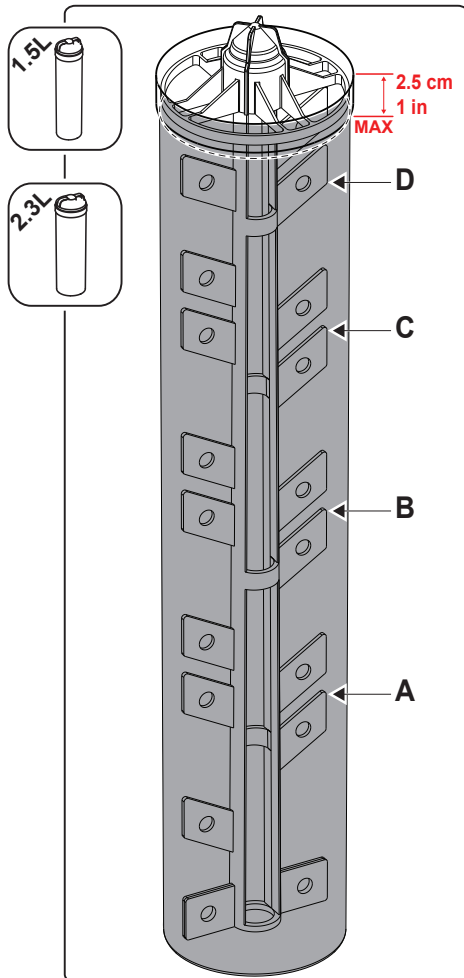


			A	B	C	D	MAX
1.5L (1.6 qt)	Inside	L	0.4	0.8	1.2	1.6	1.7
		qt	0.4	0.8	1.3	1.7	1.8
	You can add	L	1.3	0.9	0.5	0.1	--
		qt	1.4	1	0.5	0.1	--
2.3L (2.4 qt)	Inside	L	0.6	1.1	1.6	2.1	2.3
		qt	0.6	1.2	1.7	2.2	2.4
	You can add	L	1.7	1.2	0.7	0.2	--
		qt	1.8	1.3	0.7	0.2	--
4.3L (4.5 qt)	Inside	L	1.2	2.2	3.2	4.2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

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TYPE 2 (P)

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	--



WARNING

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

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

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

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



HAZARD

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

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

Do not smoke near the machine.



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.

6.7 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.	Release the off-line button (chapter Off-line button with integrated ON lamp).
The LED light blinks blue. The top cover for canisters access is open.	Close the top cover.
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 (Stand-alone machine - option A)).
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.

Problem: Inaccurate color 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 Refilling the canisters).
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).

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 fitted, the maintenance technician must wait a few minutes before touching the heater.

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

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](#)).

See the manufacturer manual for instructions on cleaning the computer.

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)

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.

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

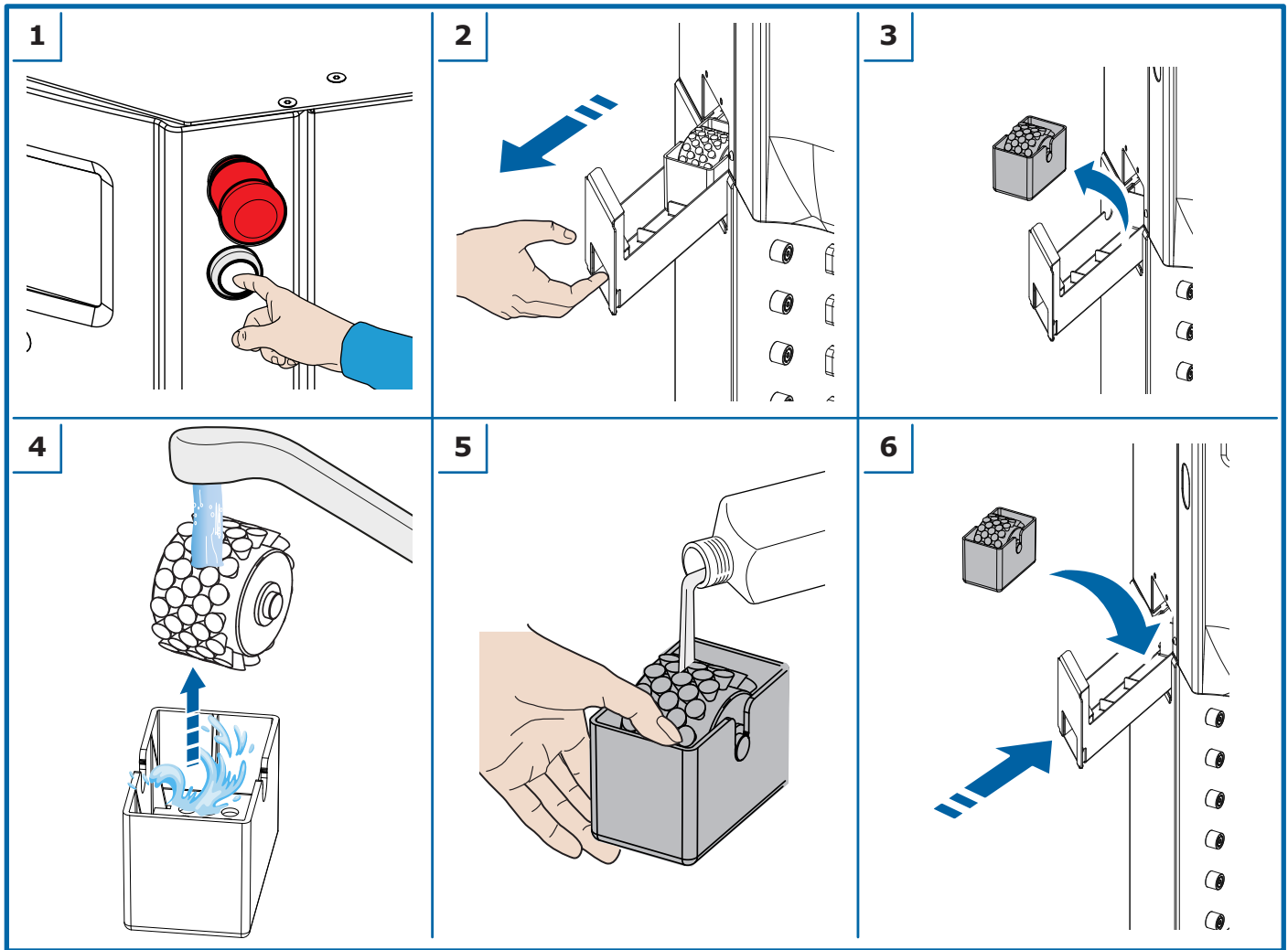
1. Press the off-line button (chapter [Off-line button with integrated ON lamp](#)).
2. Open the brush unit drawer.
3. Remove the brush container located inside.
4. Wash the brush container and the brush.
5. Before putting the container back into the drawer, fill with the cleaning liquid.
6. Reinsert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



7.5.2 Control the splashes of cleaning brush(optional)



NOTE

This is an optional operation needed to do only when we observe more splashes.

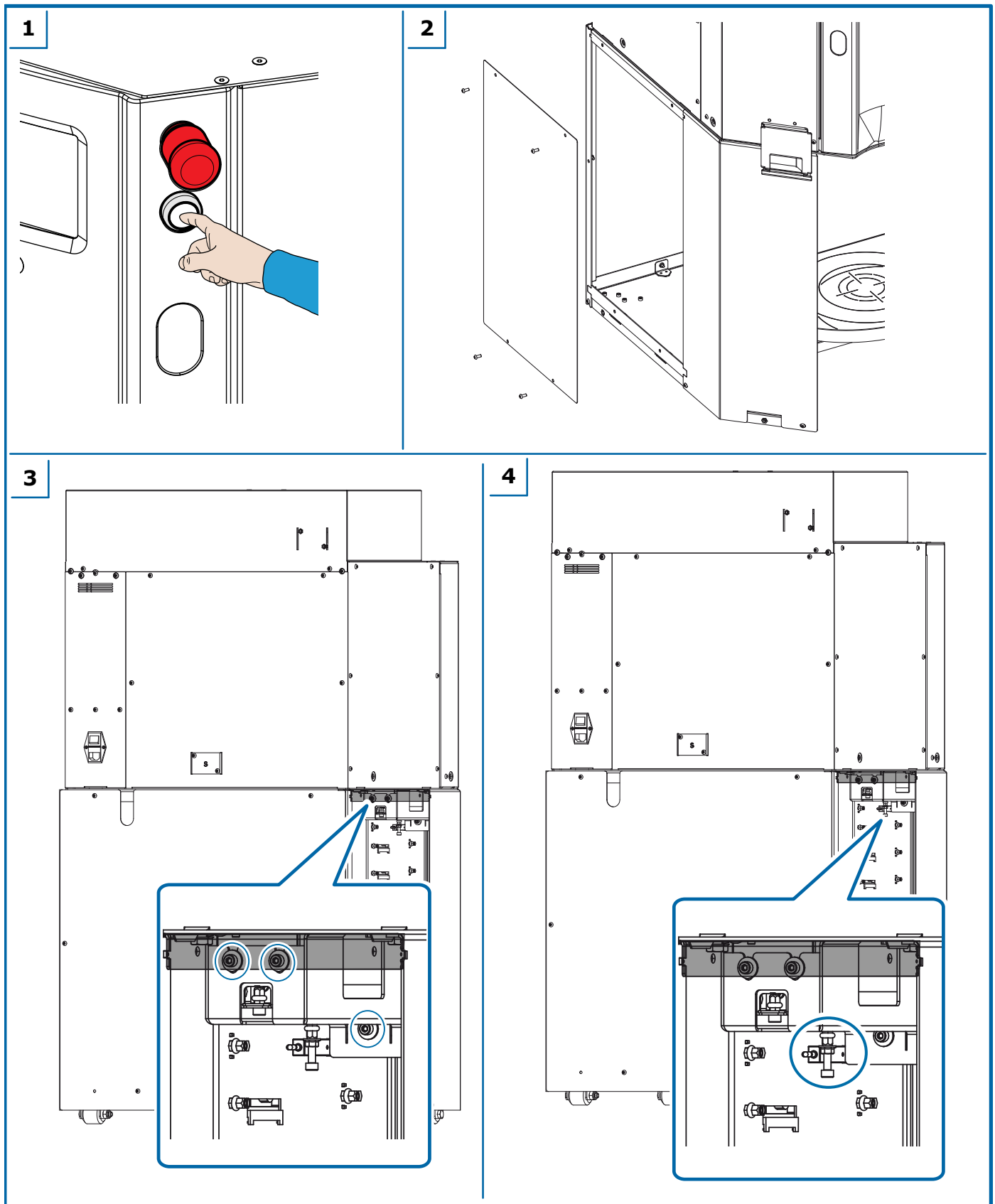
1. Press the off-line button (chapter [Off-line button with integrated ON lamp](#)).
2. Remove the bottom side panel.
3. Loosen the fixed screws (x3) of cleaning brush unit.
4. Adjust the screw(x1) present on the bottom of the cleaning brush unit.



WARNING

To ensure that the splashes are controlled, make sure the assembly is fixed firmly at the desired position.

5. Now, tighten the screws(x3) of cleaning brush unit.
6. Assemble the bottom side panel.
7. Release the off-line button (chapter [Off-line button with integrated ON lamp](#)).



8 TECHNICAL DATA

8.1 Technical data

Power supply (a)
Single-phase 100 - 240 V~ ± 10%
Heater (optional): 120 V - 230 V
Frequency (a)
50/60 Hz
Fuses (a)
F 10 A
Maximum power absorbed (a)
from 60 W to 300 W, depending on configuration
Noise level (b)
Level of equivalent acoustic pressure: < 70 dB (A)
Environmental working 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 capacity
1.5 - 2.3 liters (1.58 q - 2.4 q /1.1 G)
Number of canisters
[S] Up to 16 ; [L] Up to 32
Dispensing technology
“NoPurge” piston pump [NPP300P]
Pump volume: 50 ml
Circuit flow rate
0.3 liters/min
Sequential turntable (bidirectional)
Sequential turntable (bidirectional)
Electronics
5G TTD
Type of canister
All-purpose (POM acetalic resin)
Type of colorants
Decorative and industrial: water, universal and solvent

Valve type
Sphere valve
Colorant stirring
Pre-set, one for all canisters
Nozzle cleaning system
Passive cleaning brush

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

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

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

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 - Manufacturer

COROB India Pvt. Ltd. - Mumbai - India

c/o Nandigram Factory: Shed No 1-B and 1-A, Nandigram Realtors, N H No 48, Near Nandigram Jain Temple, Umbergaon, Bhilad, Valsad, Gujarat, 396105

Mandatario e persona autorizzata a costituire il fascicolo tecnico:
Authorised representative 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)

Nasser Arivoli (Managing Director)
COROB India Pvt. Ltd.
Mumbai, 01/12/2025

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.

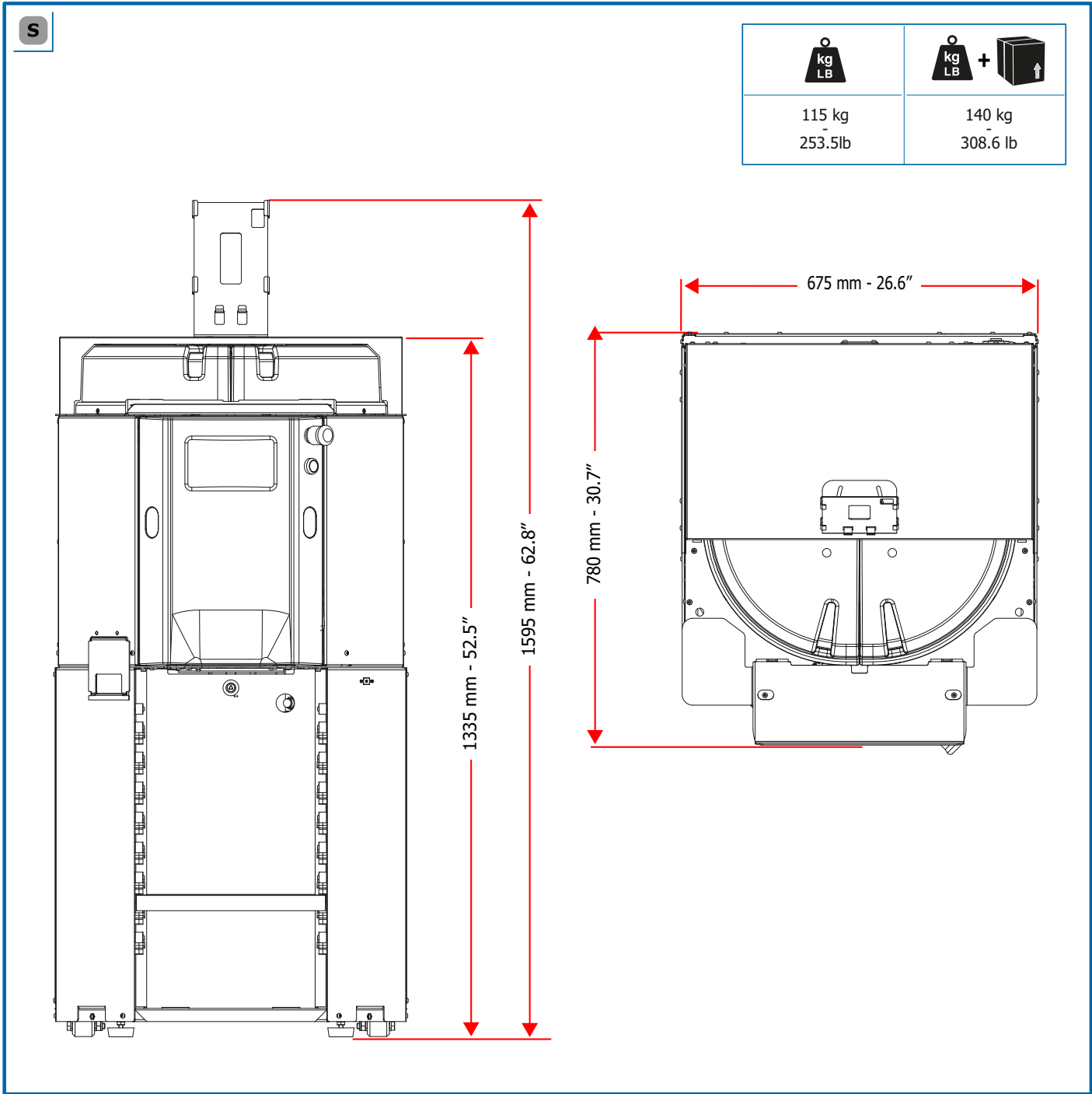
The manufacturer may not be held liable for personal injury or property damage caused by improper use of the equipment or tampering with the guards and safety devices installed on the machine.

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.



	
166 kg 365.9 lb	200 kg 441.0 lb

