

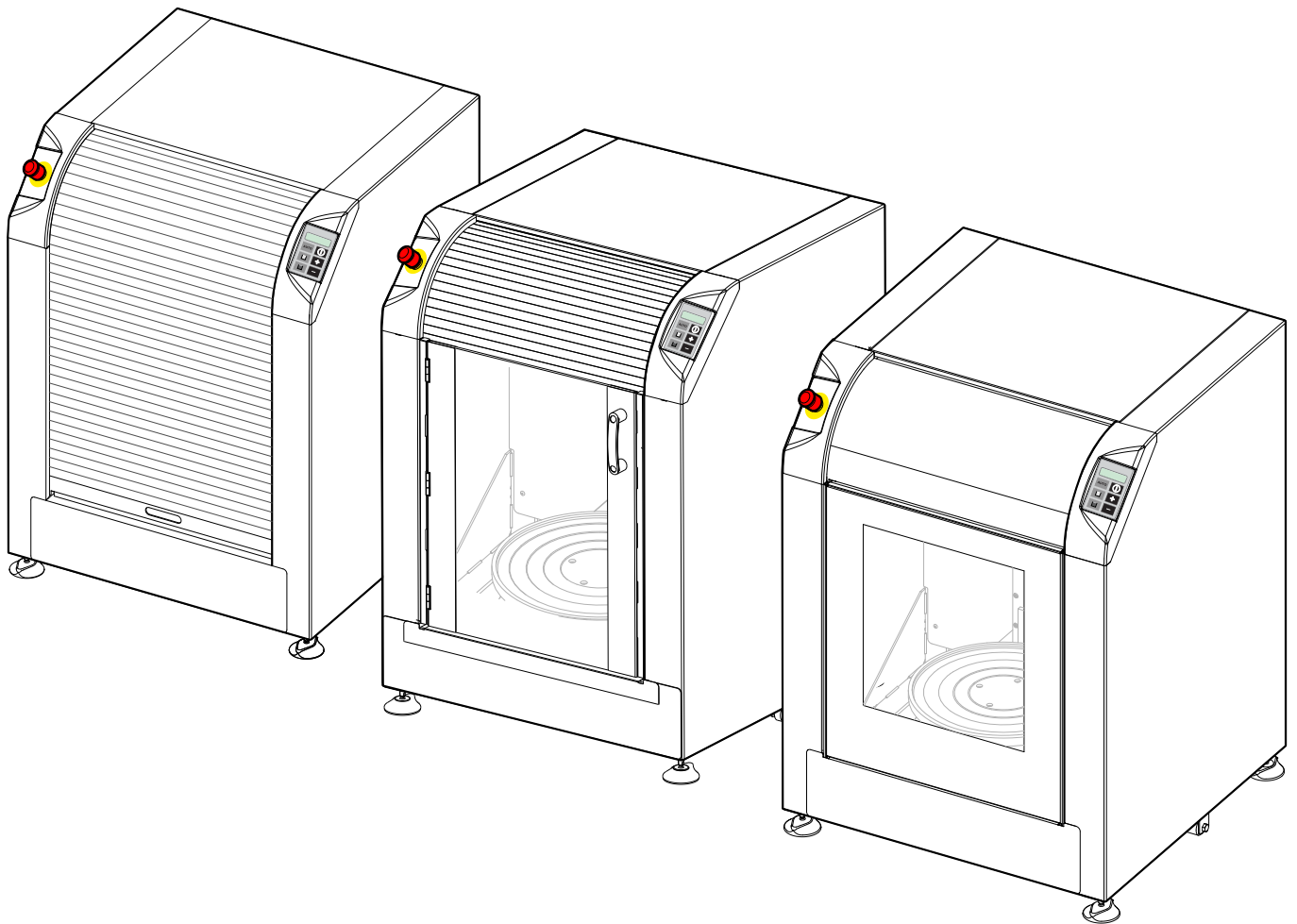
corob

CLEVERmix 700E

V02

Gyroscopic mixer

User's Manual



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Corob S.p.A., with a sole shareholder, a company subject to the management and coordination of Graco Inc.

Via Agricoltura 103 • 41038 San Felice s/P • Modena • Italy

Phone: +39-0535-663111 • Fax: +39-0535-663285

COROB India Pvt. Ltd.

Regd. Office: 502 & 503, Kohinoor City Wing A Office Area Industrial Estate and Premises Cooperative Society Ltd.,

Wing B, 5th Floor, Kirol Road, Off LBS Marg, Kurla Mumbai Mumbai MH 400070 IN

Phone: +91 22 6649 7777

Factory: Shed No 1-B and 1-A, Nandigram Realtors, N H No 48,

Near Nandigram Jain Temple, Umbergaon, Bhilad, Valsad, Gujarat, 396105

Phone: +91 7211199701

www.corob.com

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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 vibrational shakers **CLEVERmix 700E** with automatic clamping system allow mixing of non-explosive paints contained into metal or plastic containers.

It is suitable to handle cans of different size and shape. With specially profiled clamping plates available for installation upon request, the machine can also handle square cans. The machine is also capable to mix more than one can simultaneously. An adapter to position multiple cans is also available as an optional.

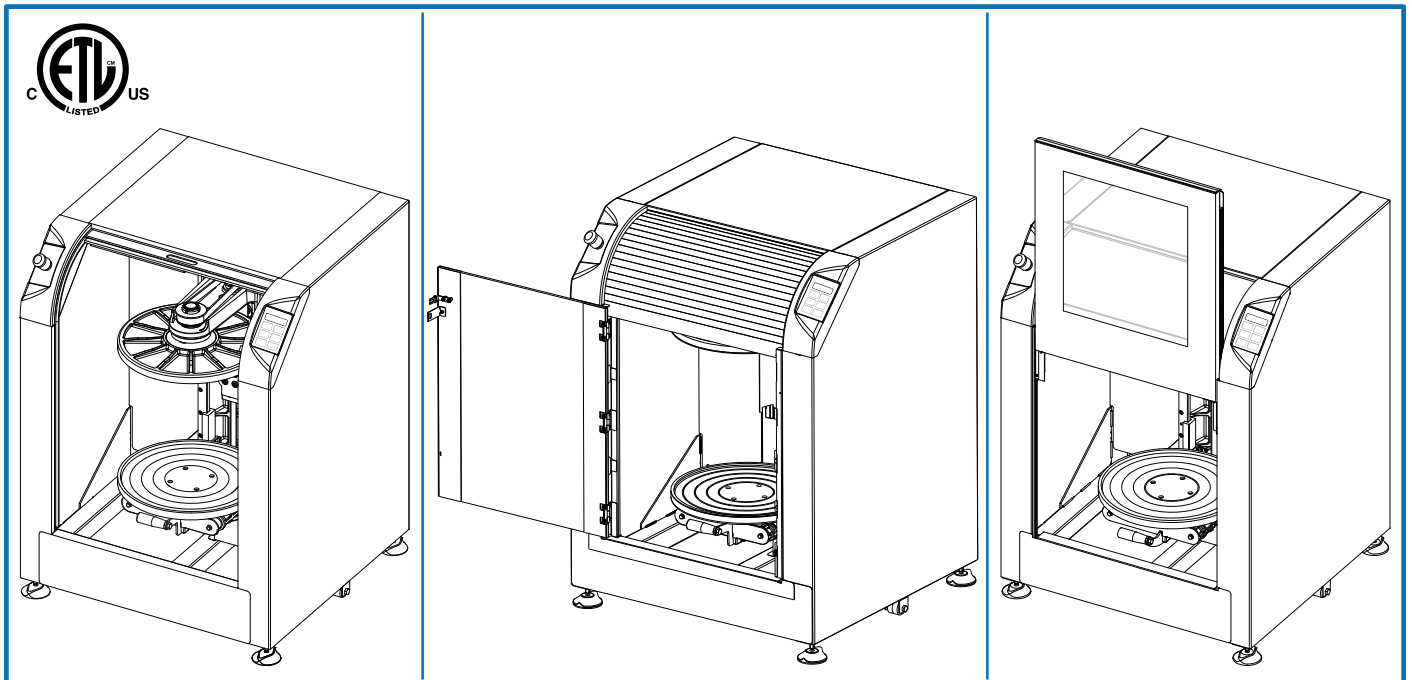
As an option the machine can be fitted with a magnetic upper clamping plate that helps avoiding the can handle to move during mixing.

The bottom pull-out plate makes it easy and fast to load and unload cans. The machine is also available in the version with non-extractable bottom clamping plate.

The mixing cycle always ends with the can in vertical position and the clamping plates fully open.

The machine is equipped with a loading door. The door can be of different types: a manual shutter door, an automatic vertical sliding door or a manual hinge door. The hinge door can be mounted from left- to right-hand swing or vice versa). When the machine is equipped with automatic door, the cycle always ends with the door open.

The standard machine (with manual shutter door) is certified as ETL Standard compliant.



It features a membrane keyboard that allows to carry out a fully automatic mixing cycle (**AUTO** key) or choose among pre-set mixing cycles.

During machine normal operation, the adjusting keys **+** and **-** allow to manually vary the pre-set mixing time, before starting the cycle. They are also used to command door opening or allow to unlock it manually.

A display shows the description of the pre-set program, the actions performed by the machine and any error messages.

2.2 Usable cans

Mixing speed	Automatic (based on can size) or pre-set (customized cycles)
Mixing time	Manually set: in AUTO mode (based on can size) from 30 seconds to 20 minutes up to 40 minutes (only with specific tech configuration)
Clamping	Automatic (based on can size) or pre-set (customized cycles)
Working cycle	Continuous
Direction of rotation of the mixing mechanics	Bi-directional
Type of can	round - square - oval
Maximum can weight	40 kg / 88 lb
Minimum can height	without can adaptor: 100 mm [3.9"] with can adaptor: 89 mm [3.5"]
Maximum can height (*)	with extractable bottom plate: 470 mm [18.5"] with non-extractable bottom plate: 410 mm [16.1"]
Maximum can diameter	390 mm [15.4"] Plate with hooks: 323 mm [12.71"]

The maximum can height is lower if a custom can centering device is present on bottom plate or if the can adaptor is used. The non-extractable bottom plate is fixed (is not idle) so as to facilitate can loading operations.

2.3 Connectivity

The machine is equipped with an USB port for an easy connection to the same computer used to manage, for example, a COROB dispenser, providing some connectivity functions.

Once connected, the machine is automatically recognized and all information, including initial settings, operational data, and machine error logs, are saved on the computer and made available in real time for service, diagnosis and monitoring purposes (even from remote).

Settings are saved and automatically recalled to be restored when needed.



NOTE

By using the EVOservice configuration program, you can customized the mixing cycles to specific product requirements and perform firmware updates.

Download the EVOservice User's Guide from COROB website download area, for more detailed information.

2.4 Intended use and misuse

Intended use and reasonably foreseeable misuse

The machine is intended for professional use to mix non-explosive paints contained into metal or plastic containers.

To shake paints or tinting products that contain flammable solvents it is mandatory that these are packaged in UN approved containers.

The use of flammable paints or tinting products that can emit potentially explosive vapors can lead to explosion or fire risks.

To find out how to avoid the risk of generating dangerous situations for the operator or the risk of explosion or fire, consult the manufacturer of the products to be mixed (base, colorants).

Scrupulously follow the instructions for use given on the colorant package and carefully read the **MATERIAL SAFETY DATA SHEETS (MSDS)** that the dealer or manufacturer of the product is required to provide.

The machine must be used in small, medium and large point of sales or professional paint stores.

The machine must be used only within the limitations set forth by the technical specifications and according to the procedures described in this manual.

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

2.5 Identifying information

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

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



ATTENTION

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

3 SAFETY

3.1 Safety warnings and unauthorized use



SAFETY INSTRUCTIONS

COMPULSORY

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



SAFETY INSTRUCTIONS

PROHIBITED

- It is forbidden to use cans having characteristics other than those stated in this manual.
- It is forbidden to use the clamping movement of plates to close the can lid.
- It is forbidden to climb onto the bottom clamping plate and/or onto any other parts of the machine.
- Do not use the machine as a working surface. Do not leave any objects on the machine during its operation.
- **THE MACHINE IS NOT EXPLOSION PROOF. DO NOT USE IT IN CLASSIFIED ZONES (ENVIRONMENTS AT RISK OF EXPLOSION).**
- 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.
- If the machine catches fire, **never use water**. Use only dry powder or carbon dioxide fire extinguishers, and strictly follow the instructions and warnings indicated by the manufacturer and listed on the extinguisher.



SAFETY INSTRUCTIONS

ELECTRICAL HAZARD

- **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.
- 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.
- 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 product package and carefully read the **MATERIAL SAFETY DATA SHEETS** (MSDS) that the dealer or manufacturer of the product is required to provide.

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

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

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

3.3 Residual risk

Risk
 Risk of electrocution - Risk of electrical shock if you power the machine from a socket not equipped with ground connection.
Preventive measure & P.P.E.
Power the machine through a grounded socket outlet.
Re. in the manual
ch. Starting up
Risk
 Risk of electrocution / burning - 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. Wait for some minutes before touching the motor.
Risk
 Dorsal/lumbar injuries - Handling heavy loads when moving the machine and loading cans in the machine may cause injuries.
Preventive measure & P.P.E.
Do not exceed the weight limits stated by the current regulations in force. Use appropriate lifting equipment or provide for two operators to carry out the task.
 MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)
Re. in the manual
ch. Shipping and handling - Use
Risk
 Risk of slipping / falling - Improper use of the bottom clamping plate (for example, climbing on the plate to take items from high shelves above the machine) can cause injuries.
Preventive measure & P.P.E.
It is forbidden to climb onto the bottom clamping plate and/or onto any other parts of the machine.
Re. in the manual
ch. Use

Risk	
	Risk of falling objects / crushing - When loading a can in the machine, there is a risk it may fall onto the operator. During machine operation, any objects left on the machine may fall onto the operator.
Preventive measure & P.P.E.	
Position the can so that the whole base rests on the bottom clamping plate. Do not exceed the maximum weight allowed for the can or cans to be mixed. Do not use the machine as a working surface. Do not leave any objects on the machine during its operation.	
	MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)
Re. in the manual	
ch. Usable cans - Use	
Risk	
	Risk of crushing / Entanglement / Dragging - The automatic movement of the door may cause injuries. Risk of being dragged / trapped.
Preventive measure & P.P.E.	
The door opens upward. Keep enough free space. Do not put objects on top of the machine. Keep your hands away from the dangerous area. Before performing any intervention, press the emergency stop button.	
	MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)
Re. in the manual	
ch. Safety devices - Loading of cans	
Risk	
	Risk of cuts - Risk of injuries and abrasions caused by sharp edges and end parts of the cans to be handled.
Preventive measure & P.P.E.	
Wear appropriate personal protective equipment (gloves). Do not use the machine with damaged cans or cans not sealed properly.	
	MECHANICAL RISK PROTECTION GLOVES (TEAR, WEAR)
Re. in the manual	
ch. Use	
Risk	
	Risk of explosion
Preventive measure & P.P.E.	
Do not use the machine in classified areas (areas at risk for explosion). Avoid naked flames or material that may create sparks and cause a fire. Respect the conditions for the intended use of the machine and the recommendations indicated in chapter Intended use and misuse . Respect the environment working conditions indicated in chapter Emergency situations .	
Re. in the manual	
ch. Intended use and misuse - Emergency situations	

Risk



Risk of poisoning and sensitization - Eye and skin contacts and inhalation of vapors/powders caused by product spills from the can being broken.

Fumes generated by the colorants used may cause poisoning and/or sensitization during machine cleaning and disposal operations.

Preventive measure & P.P.E.

Do not use the machine with damaged cans or cans not sealed properly.

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.

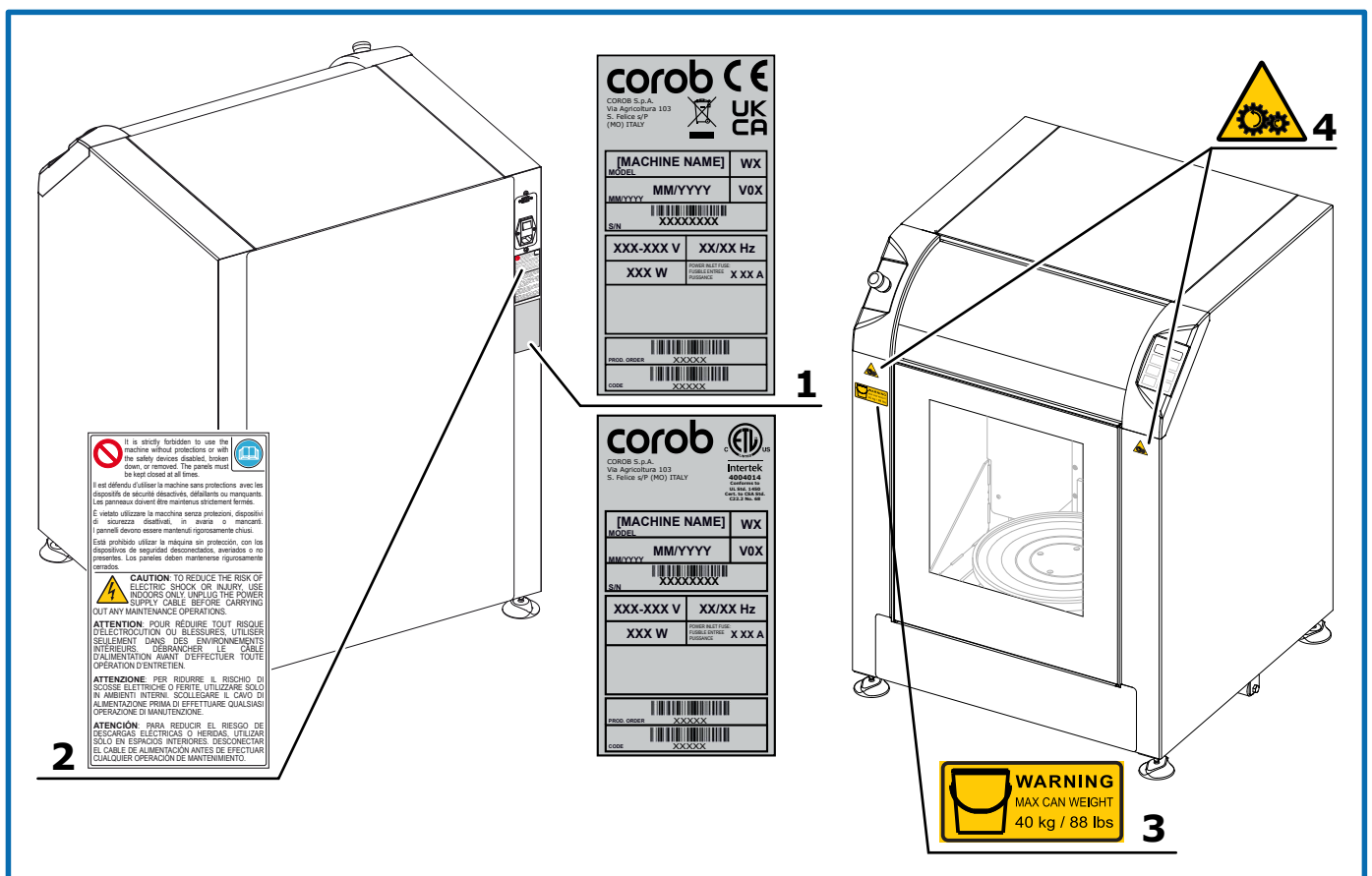
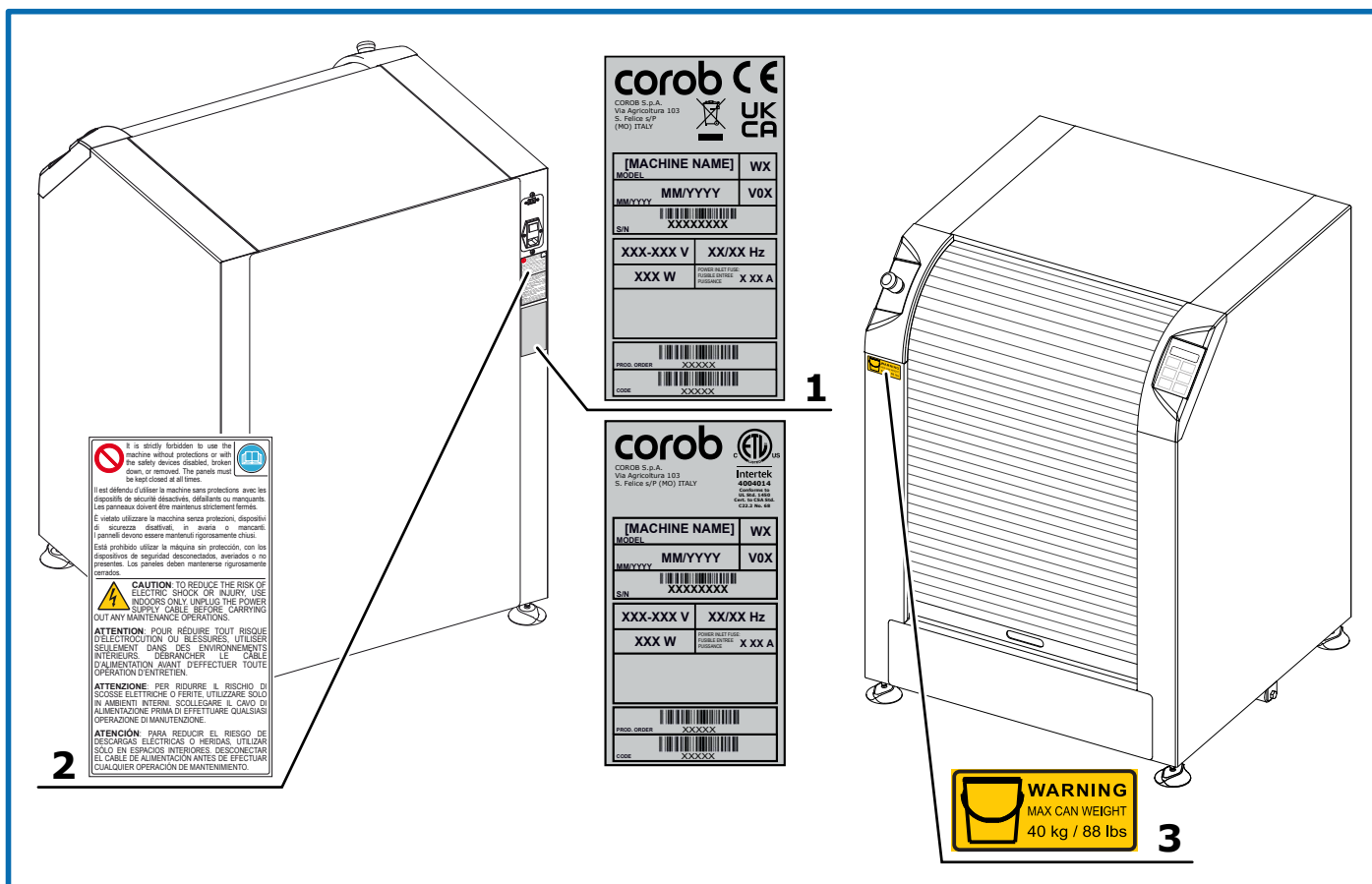
Wear appropriate personal protective equipment (safety goggles, gloves and mask).

Personal Protective Equipment as specified in MSDS.

Re. in the manual

ch. [Warnings on the use of products](#) - [Shipping and handling](#) - [Use](#) - [Ordinary maintenance](#)

3.4 Position of labels



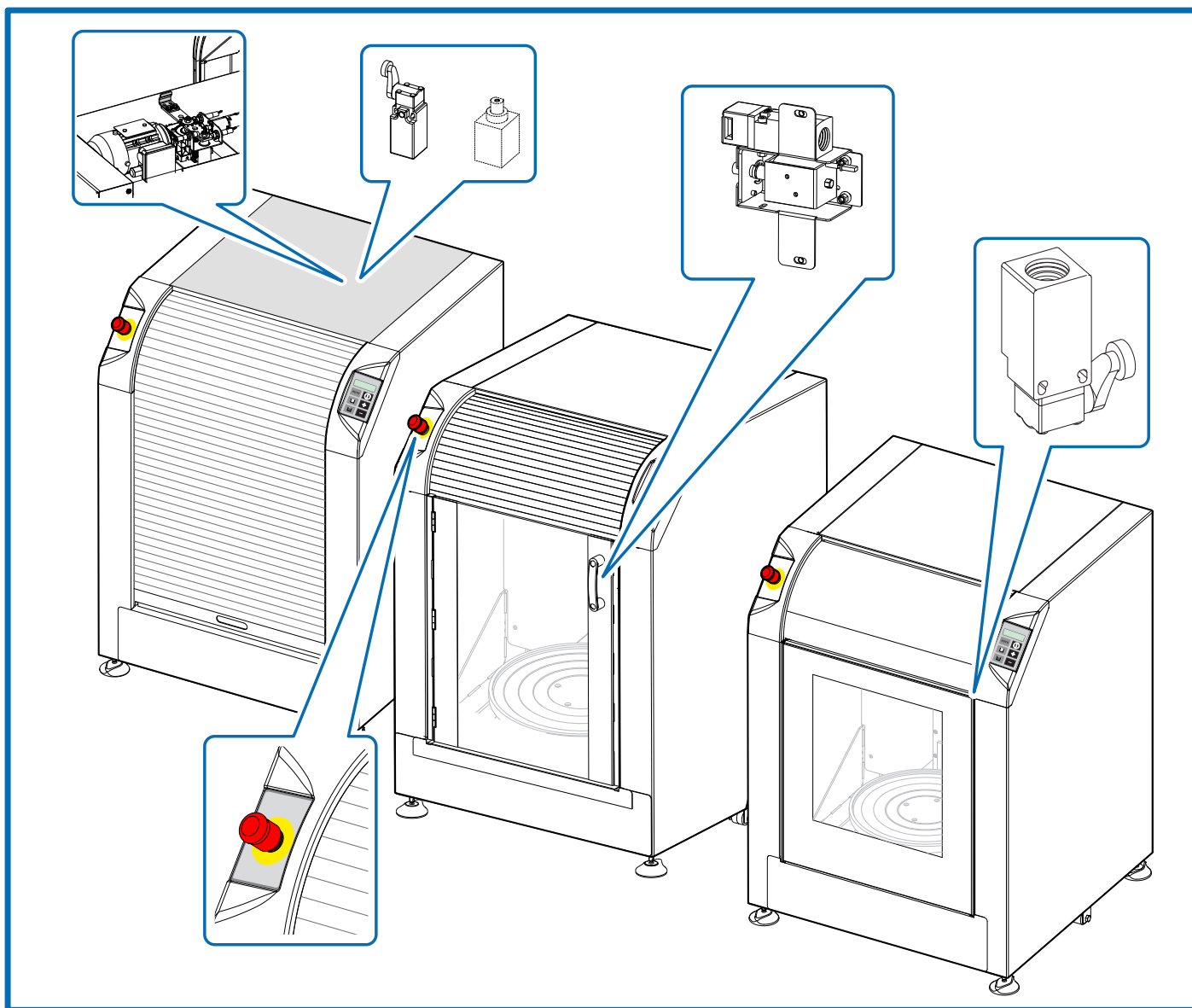
1. Identification plate (chapter [Definitions](#))
2. Label “General warnings”
3. Label “Maximum can weight”
4. Label “Risk of being dragged / trapped” (automatic door only)



ATTENTION

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

3.5 Safety devices



Emergency button

Red mushroom-head button.

Pressing the button causes the machine to stop immediately in emergency mode, ceasing all movements.

Once pressed, the button can be released by pulling it outward.



WARNING

DO NOT ROTATE THE BUTTON: SIMPLY PULL IT.

To open the door, it is necessary to release the emergency button.

Door safety device (limit switch) (with shutter door and hinge door only)

The machine is equipped with a safety limit switch that prevents the mixing cycle to be started when the door is open.

During the mixing cycle, the door can only be opened if the mixing mechanics is in vertical position, i.e. when the can is clamped or released. Opening the door in these cases causes all movements to be immediately stopped, for obvious safety reasons.

On the display:

Symbol	Meaning
	The door is unlocked and it is possible to open it
	The door is locked

Only for shutter door, as an optional device, a **door lock** system can be requested: it prevents door opening at any time of the cycle. With this option, it will not be possible to open the door, neither during plate closing (clamping of the can) nor during plate opening (release of the can).



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.

3.5.1 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 emergency button pressed, start a cycle. With the machine on and a mixing cycle in progress, press the emergency stop button.	The mixing cycle must not start. All mobile parts of the machine must stop.
Door safety device (limit switch) Try starting a cycle with the door open. With the machine on and mixing in progress, try to open the door with the handle.	The mixing cycle must not start. The display shows the door closing request message. When opening the door, all the moving parts of the machine must stop after a certain inertia.



HAZARD

Since this operation is carried out with the mechanics in motion, wait for the movements to stop completely and do not insert your hands inside the machine.

3.6 Emergency stop

In case of a breakdown or dangerous conditions, press the emergency stop button (chapter [Safety devices](#)). Pressing this button, power is cut off to the entire machine and all movements are stopped.



ATTENTION

Only machine versions with shutter door and hing door: in emergency stop conditions, the door safety system keeps the door locked.

The display will show a message that indicates the emergency stop condition.

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.

3.7 Resetting the machine after an emergency stop

The emergency stop button can be reset by pulling it.



WARNING

DO NOT ROTATE THE BUTTON: SIMPLY PULL IT.

At machine reset, it may happen that the plates are not completely open. With the door closed, press and hold down the start key  to completely open the plates.

If at reset, the rotating mechanism is not in the initial position, it is necessary to execute repositioning, as indicated in the following chapters.

3.7.1 Repositioning the rotating mechanism

With the door closed, press and hold down the start key : the machine carries out an automatic plates repositioning, the rotating mechanism locks in vertical position and the clamping plates open.

The same procedure applies in case of power outage.

3.7.2 Door unlock (shutter door)

To unlock the door, with the purpose to inspect the conditions of the rotating mechanics and of the paint can, press and hold down the key  until the display shows the symbol  that indicates that it is.

If the door is not unlocked, press and release the emergency button and repeat the above procedure, but using the button .

3.7.3 Door unlock (automatic vertical sliding door)

To unlock the door, with the purpose to inspect the conditions of the rotating mechanics and of the paint can, press once the key .

If the rotating mechanics was not successfully hooked, press and hold down the  key to try and re-hook it at low speed, until the mechanics locks in place.

3.7.4 Door unlock (hinge door)

During the mixing stage and when the emergency stop button is pressed, the door is kept closed by a doorlock system.

To unlock the door, when the machine stands still, press and then release the emergency stop button.

3.8 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 [Electrical connection and start-up](#)).
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.

3.9 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. Do not install the machine on floating floors.
- 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.



WARNING

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

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

Reserve approx 40 cm free space above the machine, as the door opens upwards and needs some space.

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)



HAZARD

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



WARNING

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

4.2 Unpacking and placement



1 x 19 mm [0.74"] To remove the mounting screws

1 x 10 mm [0.31"] To adjust the support feet

1 x 19 mm [0.74"] To adjust the support feet



HAZARD

The following procedure can be carried out by one single person.

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 ties wrapped around the package (for cardboard packing only).
2. Remove the covering from the pallet, also removing the corresponding fasteners.
3. Remove machine wrapping. Take out any accessories and/or material supplied with the machine.

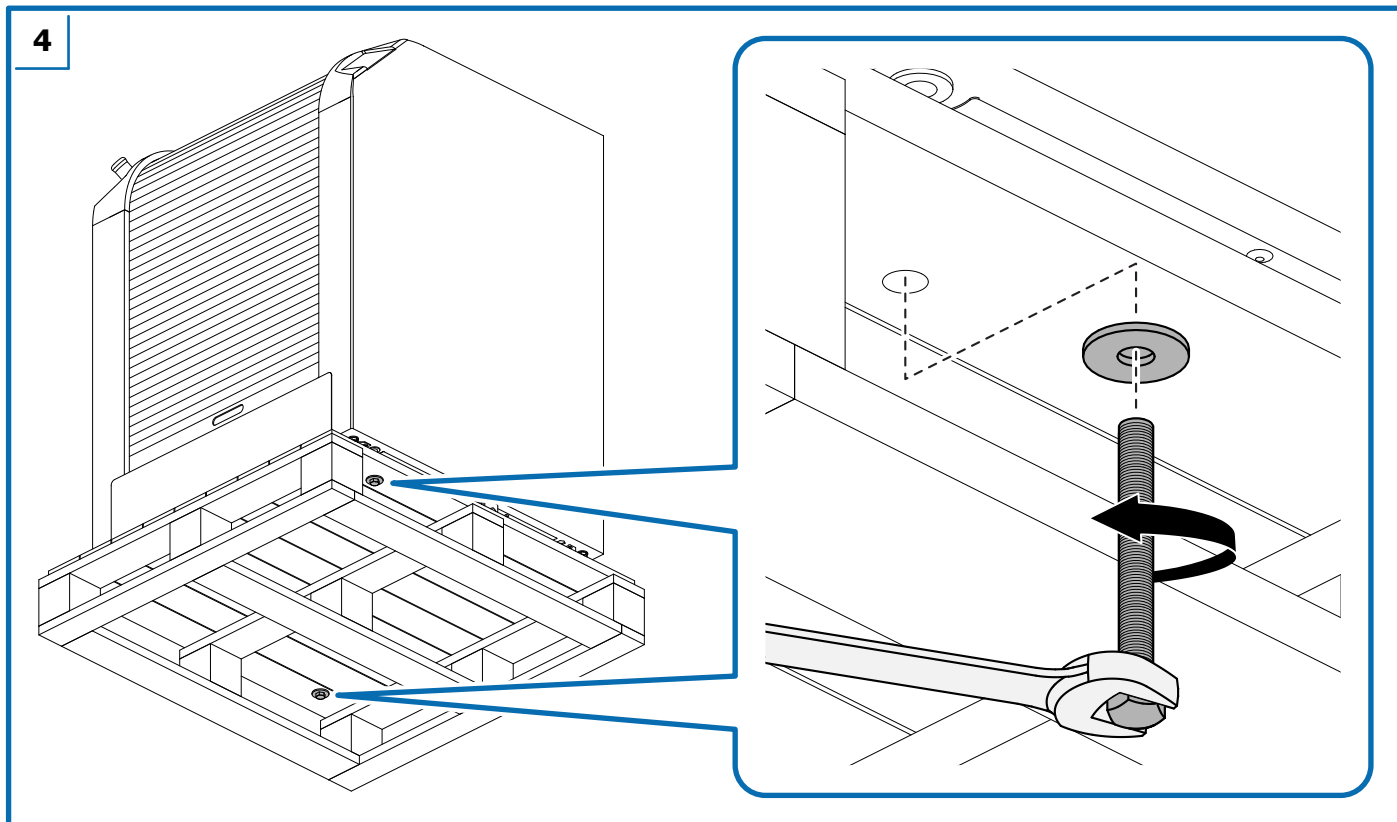


HAZARD

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

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

4. Remove the two screws that secure the machine to the pallet as indicated in the following picture. Loosen the upper nut and undo the screw, then separate them in order to remove the screw from under the pallet.



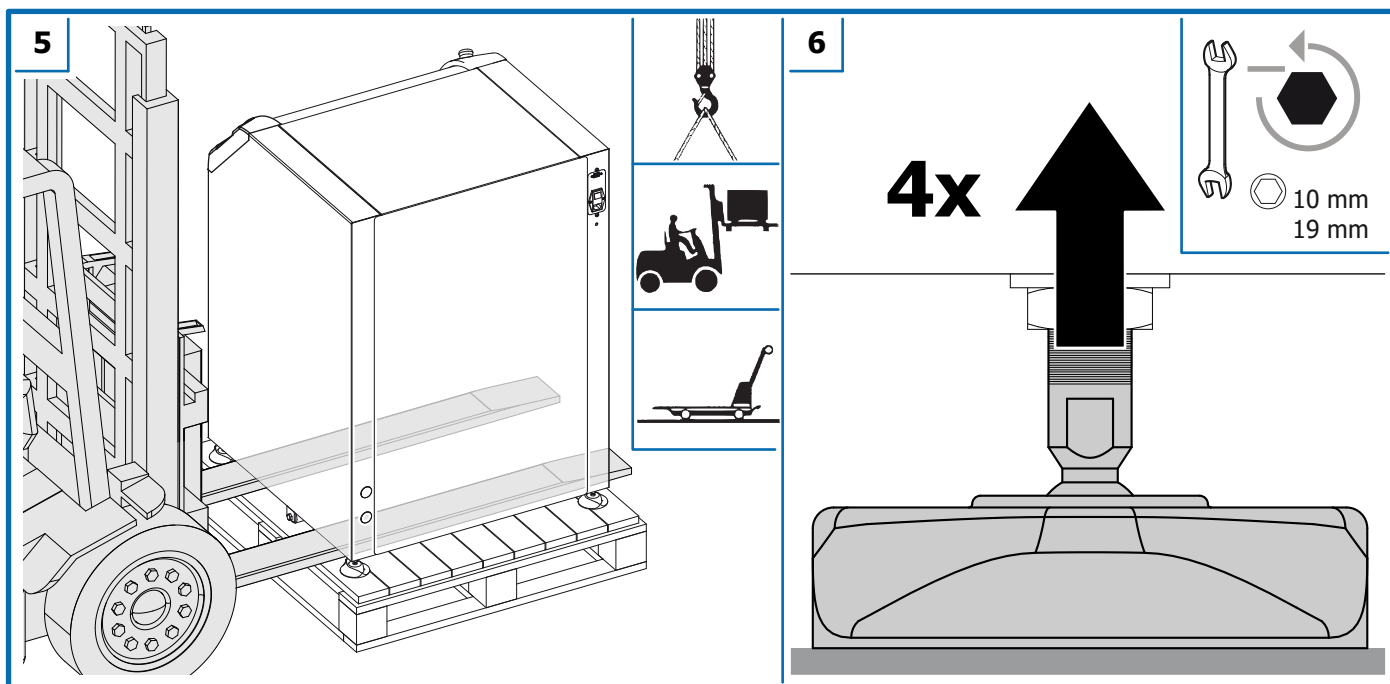
5. Remove the machine from the pallet using a suitable lifting equipment and place the machine in its working position.



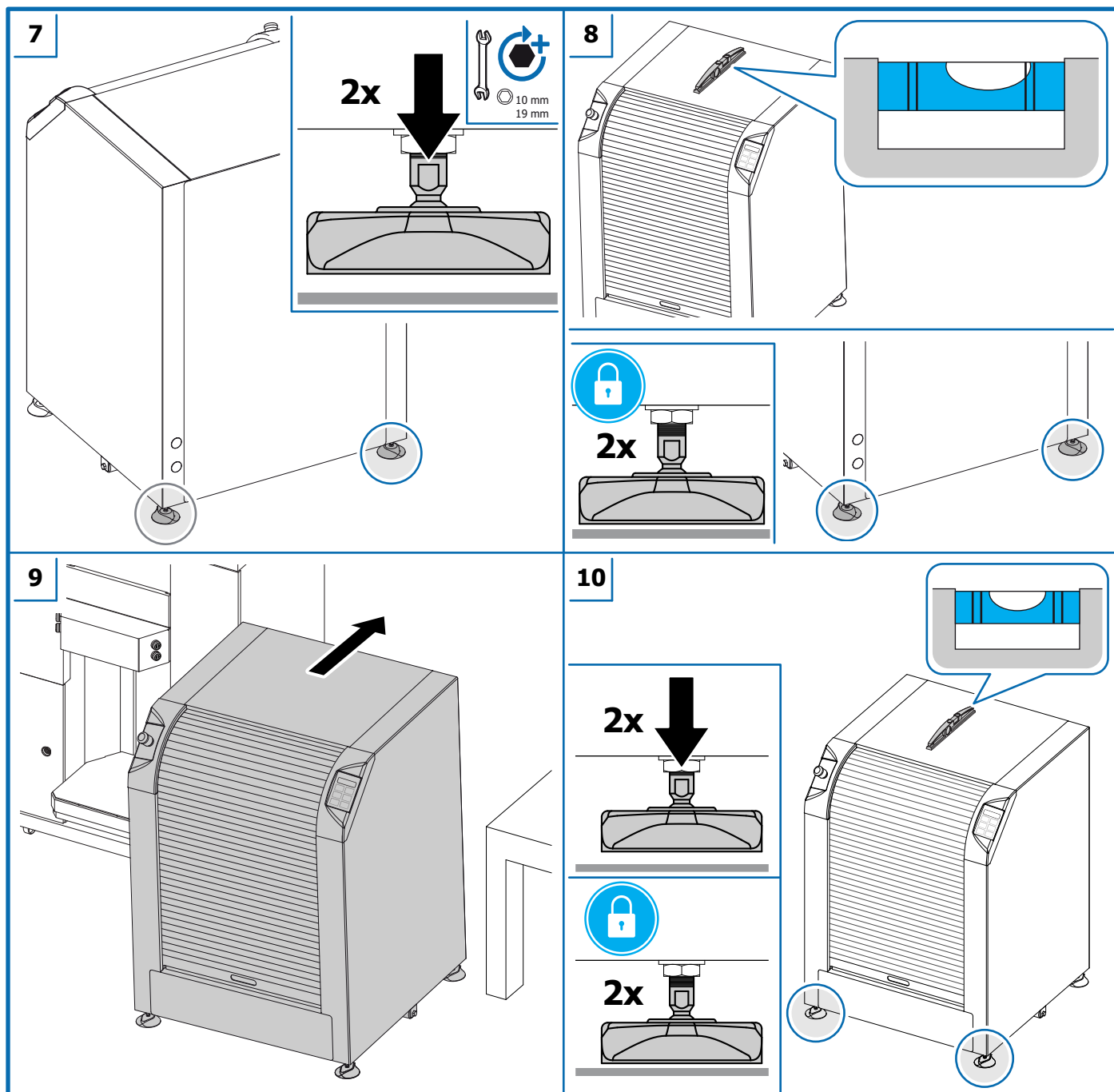
HAZARD

To lift and position the machine, you must use suitable lifting means only, that must be chosen based on machine weight (chapter [Technical Specifications](#)).

6. Raise all the four feet.



7. Lower the two rear feet; the machine will slightly tilt forward and it will be possible to move it on its wheels.
8. Lock the two rear feet.
9. Push the machine in its working position.
10. Lower the two front feet and level the machine.
11. Carry out a working cycle to check machine stability, and only then definitively lock the feet.



WARNING

The machine must be perfectly level in order to operate properly and prevent from vibrating during the mixing cycle.

Make sure the wheels are not resting on the floor. Do not install the machine on floating floors.

Make sure the non-slip rubber is present under the support feet.

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:

- Power supply cable.
- Spare fuses.
- Product documentation.

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

4.3 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.



WARNING

Do not stack items on the packing.

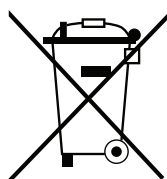
4.4 Disposal and recycling

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.

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.

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.

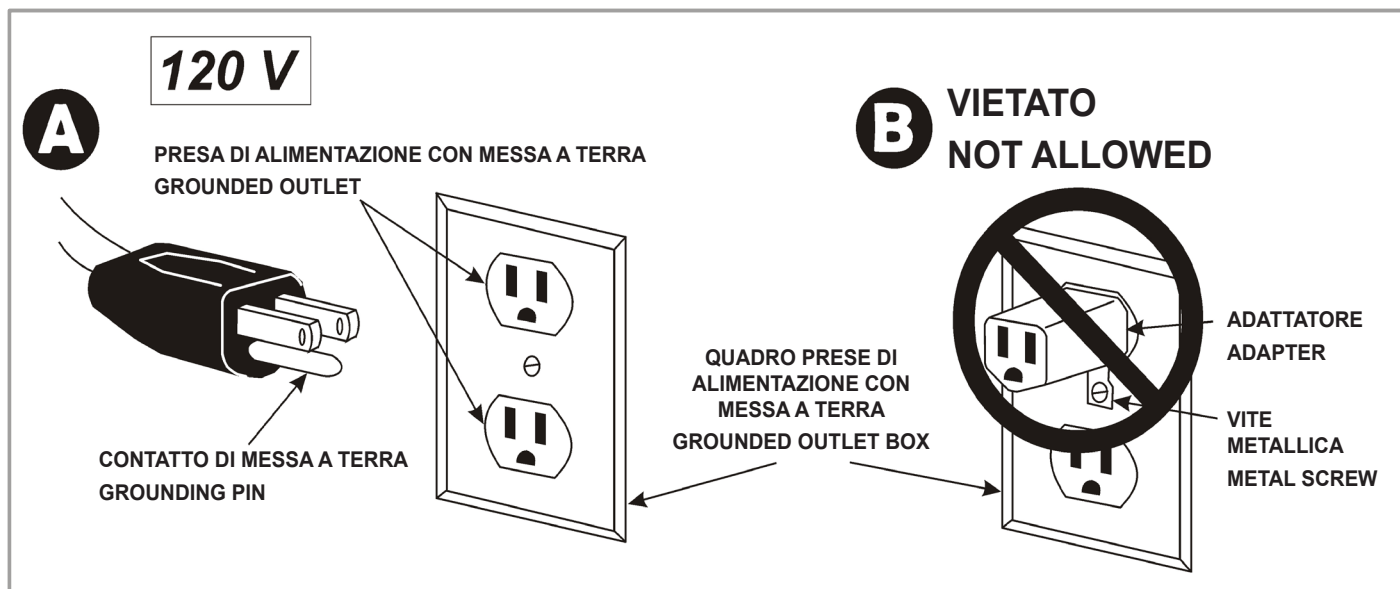
Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. DO NOT modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

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.

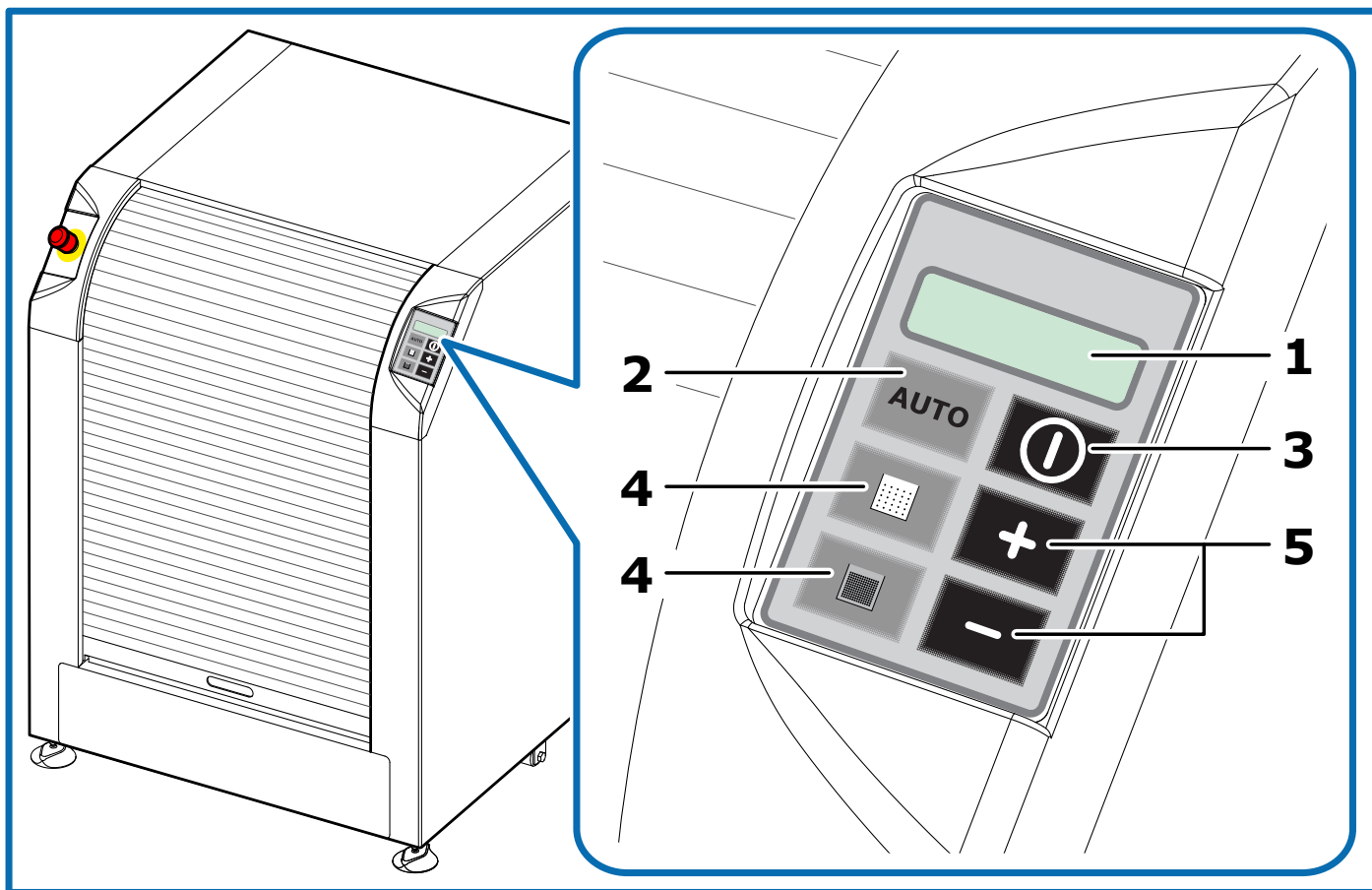
When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. For lengths less than 25 feet, no. 18 AWG extension cords should be used.

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.

Ampere Rating Range	Volt	Length of cord in feet (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 Control devices



The control panel keyboard can be configured, this means that function keys may not be positioned in the same place and may change based on customer's personalization.

Display (1)

The display shows the name of the mixing program selected, as well as the messages concerning the actions undertaken by the machine during the automatic mixing cycle. The display lights up at machine start-up.

On the display, if the (!) symbol is shown alternatively with the lock symbol (🔒 / 🔓) used to indicate door status (chapter [Safety devices](#)), this means that the planned maintenance threshold has been reached. In this case, contact authorized technical service.

AUTO

AUTO key (automatic program) (2)

Key that allows you to select a fully automatic cycle. The mixing parameters (time, speed and clamping force) are calculated based on can height.



Key to start / stop the cycle (3)

This key allows to start the mixing cycle of a can. If pressed during machine operation, the cycle stops.

Only model with automatic vertical sliding door: the key allows to command total closure of the door, without starting the cycle. To do so, press and hold down the key for at least 3 seconds. During the process, the display will show the closed lock symbol (🔒) at the center. To command door opening, press again the key for at least 3 seconds.



Keys to select pre-set programs (4)

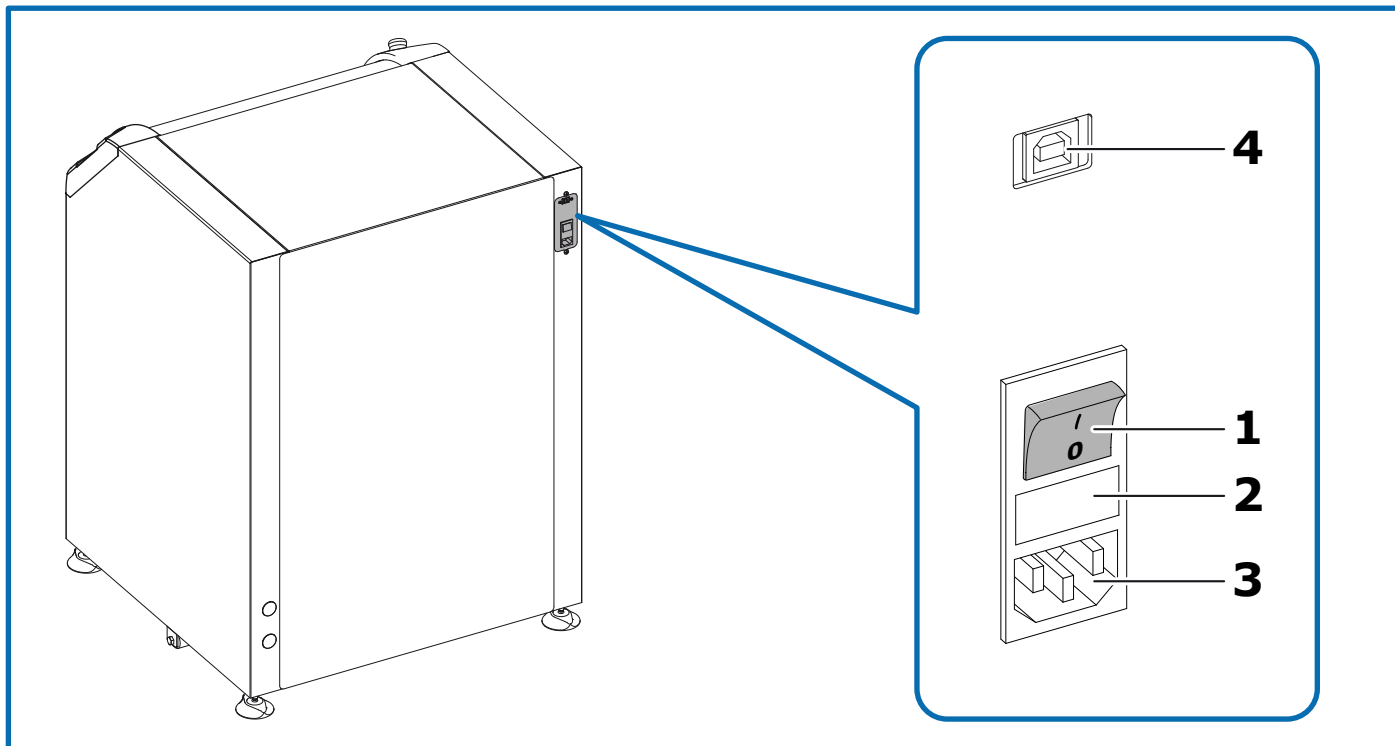
Keys that allow you to select pre-set automatic mixing programs. They can be customized with text or a graphical representation of the customer's products.

+ **-** Adjusting keys (5)

Keys that allow you to modify the mixing time before starting the cycle. During the mixing cycle it is not possible to change the mixing time.

They also allow to unlock the door or command opening of the automatic door (key -) in WRN08 conditions.

5.4 Connections



Machine main switch (1)

In ON position (I), the machine is powered. In OFF position (O), the power is cut off to the machine.

Fuse compartment (2)

The value of fuses is shown in the technical specifications table (chapter [Technical data](#)).

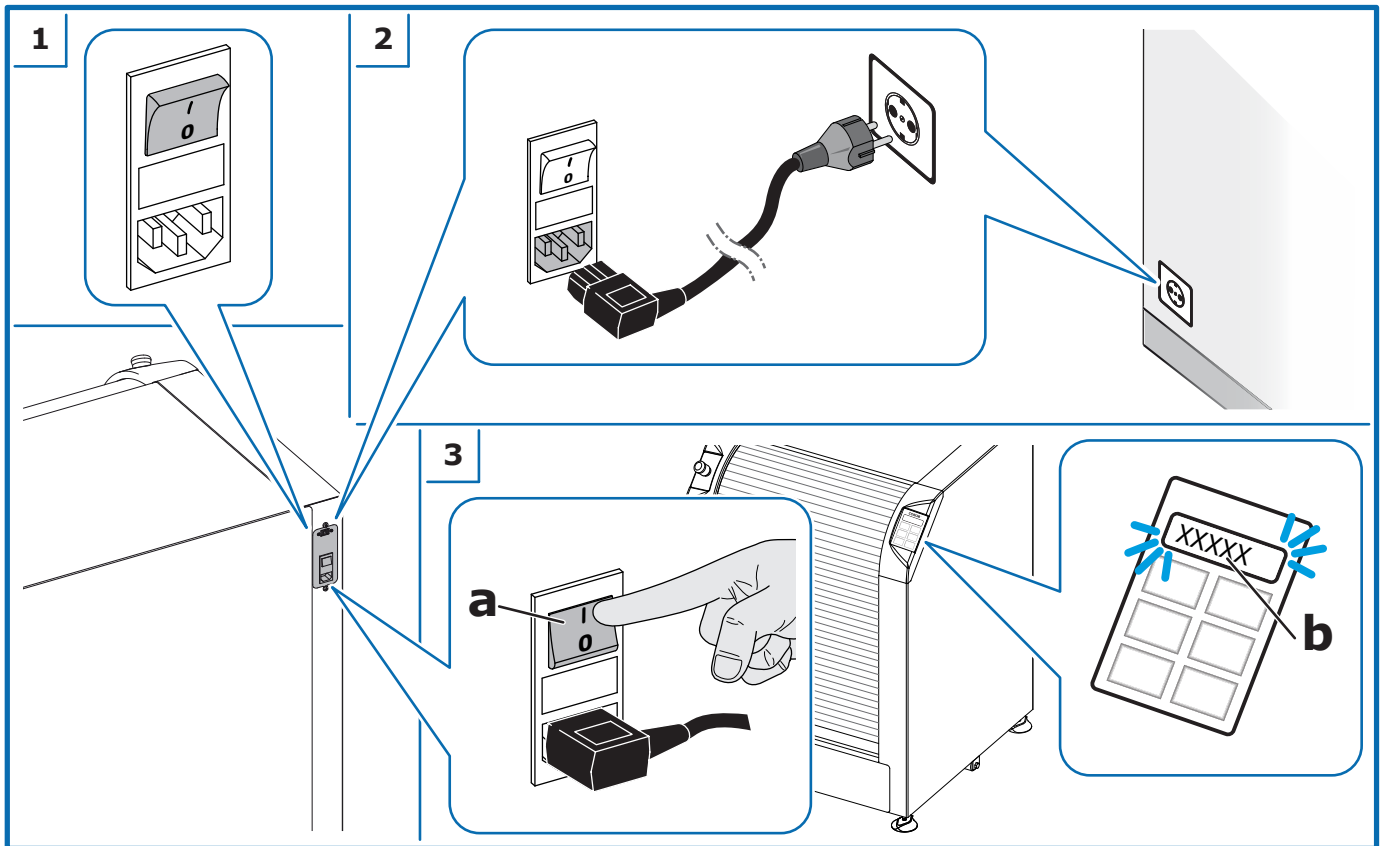
Main plug (3)

Main power supply to the machine.

USB port (4)

Connector for the USB interface connection to the service computer.

5.5 Electrical connection and start-up



To power up and start the machine, proceed as follows:

1. Make sure that the emergency button is released and that the main switch is in the OFF position (O).
2. Insert the power supply cable socket into the main machine plug, and the other end to the mains socket outlet.
3. Turn the main switch to ON (I). At this point, the display will light to indicate that the machine is on.

By turning the machine on with the emergency button pressed, the display shows, among other pieces of information, the number of machine cycles carried out and the firmware version installed.

5.5.1 Machine information

Turn ON the machine with the emergency button pressed to display following information:

- Application Firmware version
- Bootloader Firmware version
- MINIEMIX board dipswitch configuration
- Number of cycles executed
- Machine total working time (seconds)
- Number of rotations executed
- Machine status [EMERGENCY]
- Company information [e.g. manufacturing date, machine serial number, configuration file code, and so on]

Information is displayed in automatic sequence.

5.6 Shut-down

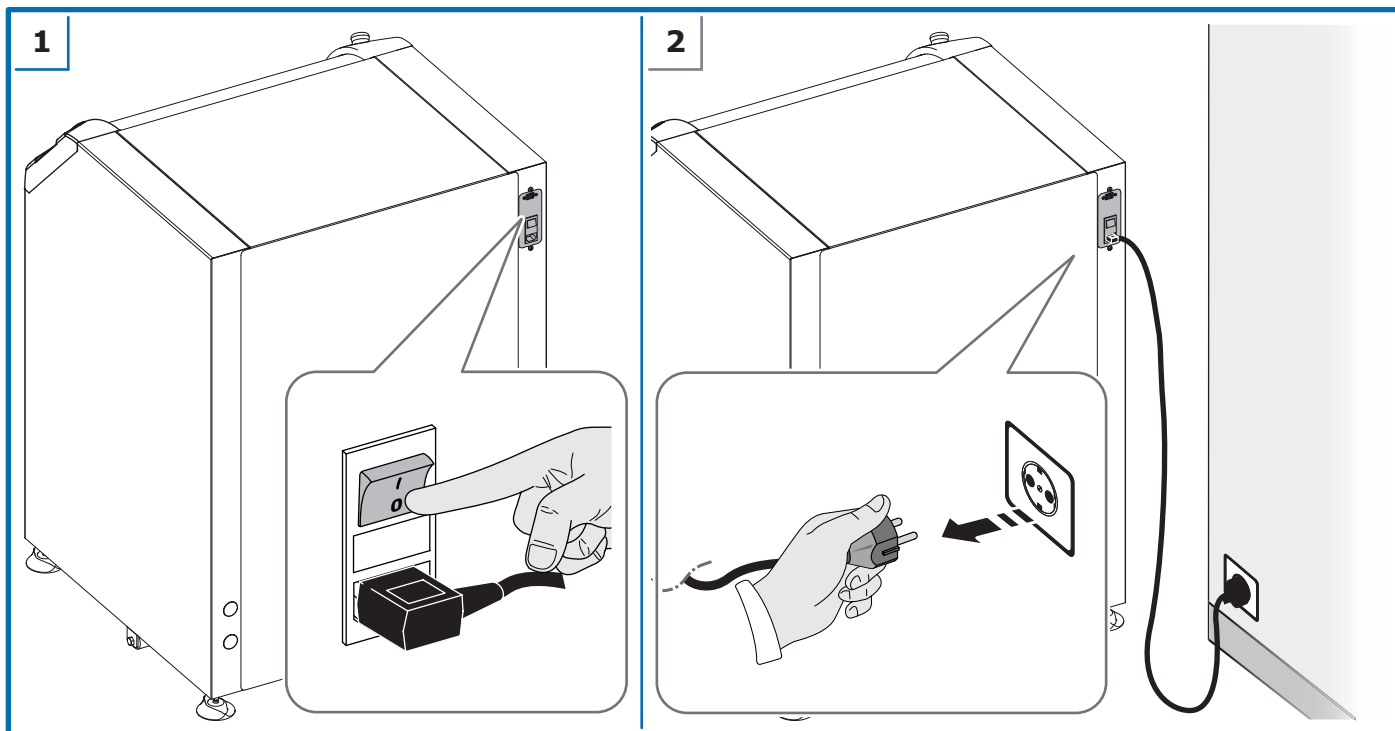
To shut off the machine:

1. Set the main switch located on the rear side of the machine to OFF (O).
2. Unplug the power supply cable from the mains socket outlet.



WARNING

Wait for at least 10 seconds before turning the machine back on.



6 USE

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.

It is forbidden to use the clamping movement of plates to close the can lid.

It is forbidden to climb onto the bottom clamping plate and/or onto any other parts of the machine.

Do not use the machine as a working surface. Do not leave any objects on the machine during its operation.

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

Scrupulously observe the handling instructions given by the paint manufacturer; if handled inappropriately, high pressures may develop inside the cans, causing the contents to leak suddenly, the lid to open, or even causing the can itself to break.

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.

6.2 Loading of cans

When loading the cans in the machine, bear in mind some basic rules to ensure the safety of the operator and to avoid damage to the machine.



WARNING

Never use cans lower than 3.9" (100 mm) or weighing more than 88 lb (40 kg).

Do not put one can on top of another.

Do not use the machine with damaged cans or cans not sealed properly. Always make sure that the can lid is perfectly closed.

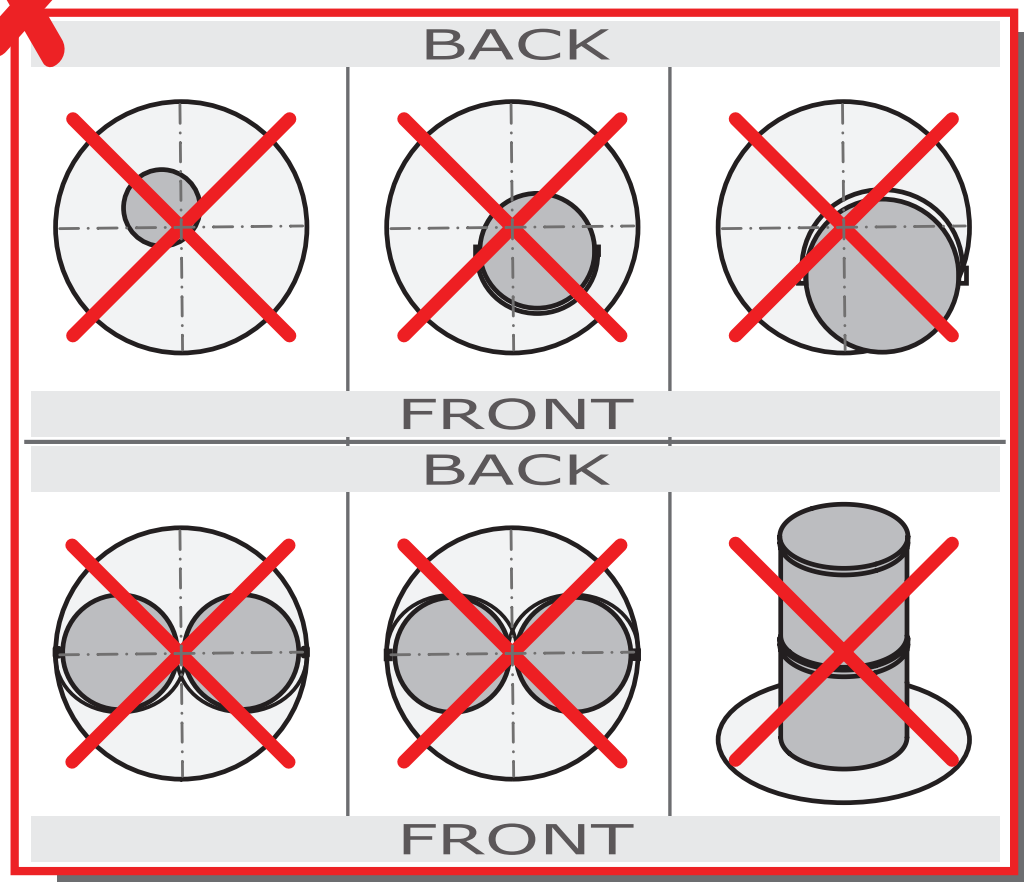
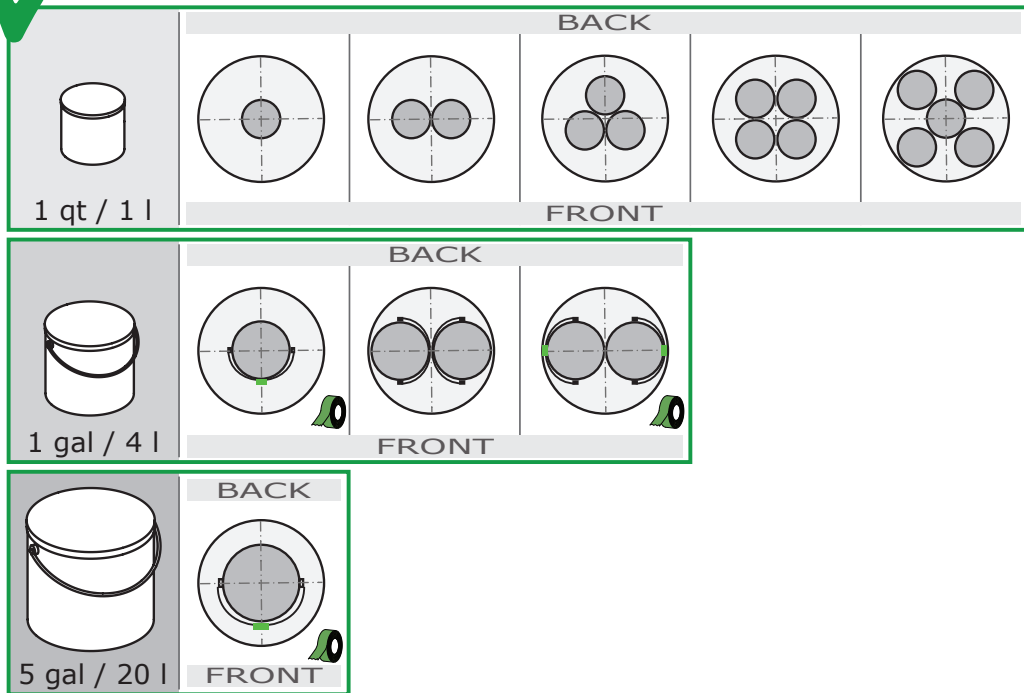
Do not make the machine work without a can in it.

Place the cans to be mixed in the center of the bottom clamping plate and secure the bail.

More than one can may be mixed at the same time provided that:

- **they are of the same height**
- **they do not overlap the clamping plates**
- **they are placed in the middle of the bottom clamping plate**
- **the sum of their capacities is not greater than the machine maximum capacity**
- **the bails are properly secured**

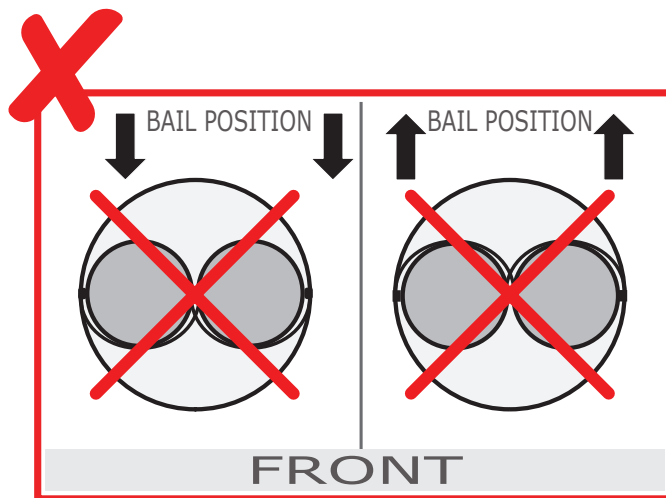
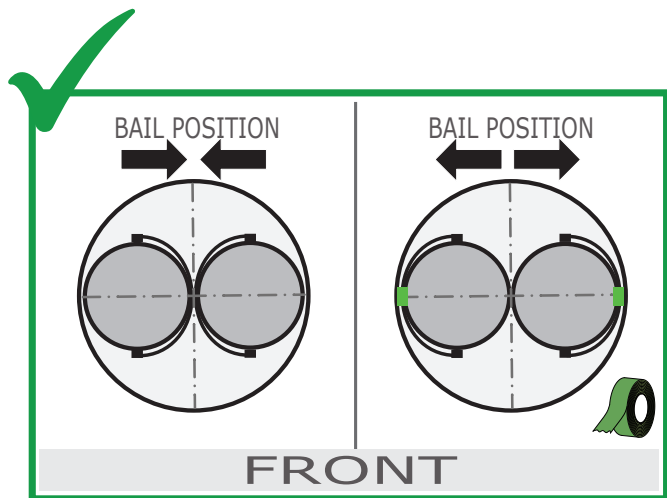
In order to grant correct can clamping and keep the machine's mechanical part in equilibrium during mixing, it is necessary for the combined center of gravity of the cans to lie in the middle of the bottom plate as far as possible. Otherwise the machine may become unstable on the support surface due to excess vibrations.





WARNING

IN ADDITION TO ALWAYS LOADING MULTIPLE CANS TOWARDS THE CENTER, POSITION THEM SO THAT THE BAILS ARE TOWARDS THE INSIDE OR OUTSIDE OF THE CLAMPING PLATE. DO NOT PLACE MULTIPLE CANS WITH THE HANDLES FACING THE FRONT OR BACK.



WARNING

Always secure the bail with adhesive tape or, if present, with the special bail holder provided, to avoid damaging the can or prevent it from catching on the machine internal parts.

Only when multiple cans are placed with the bails facing inwards you can avoid securing them with adhesive tape, as they lock each other into place.

IMPORTANT: When the bail holding hook is not used, check that it has automatically returned to the right rest position. If you let it loose, it could catch on the internal parts of the machine during operation, damaging it.

It is also suggested to seal the can lid with adhesive tape.

To load and unload the can, proceed as follows.

1. Lift the handle of the bottom clamping plate to unlock it, and pull out the plate until it locks in place.
2. Place the new can or remove the already mixed one.
3. Push the plate firmly back inside the machine, until it locks in place.

In case of non-extractable bottom clamping plate, simply place the can in the center as much as possible. The non-extractable bottom plate is fixed (not idle) so as to make loading easier.

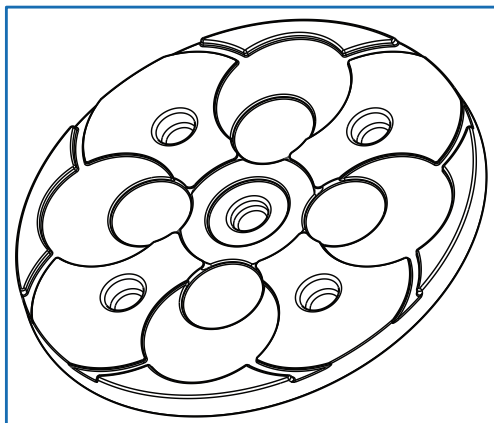
Adapter (optional)

The multi-can adapter allows to place simultaneously the following types of cans:

5 x 1/16 G (approx 0.2 liters) (can min height must be 89 mm)

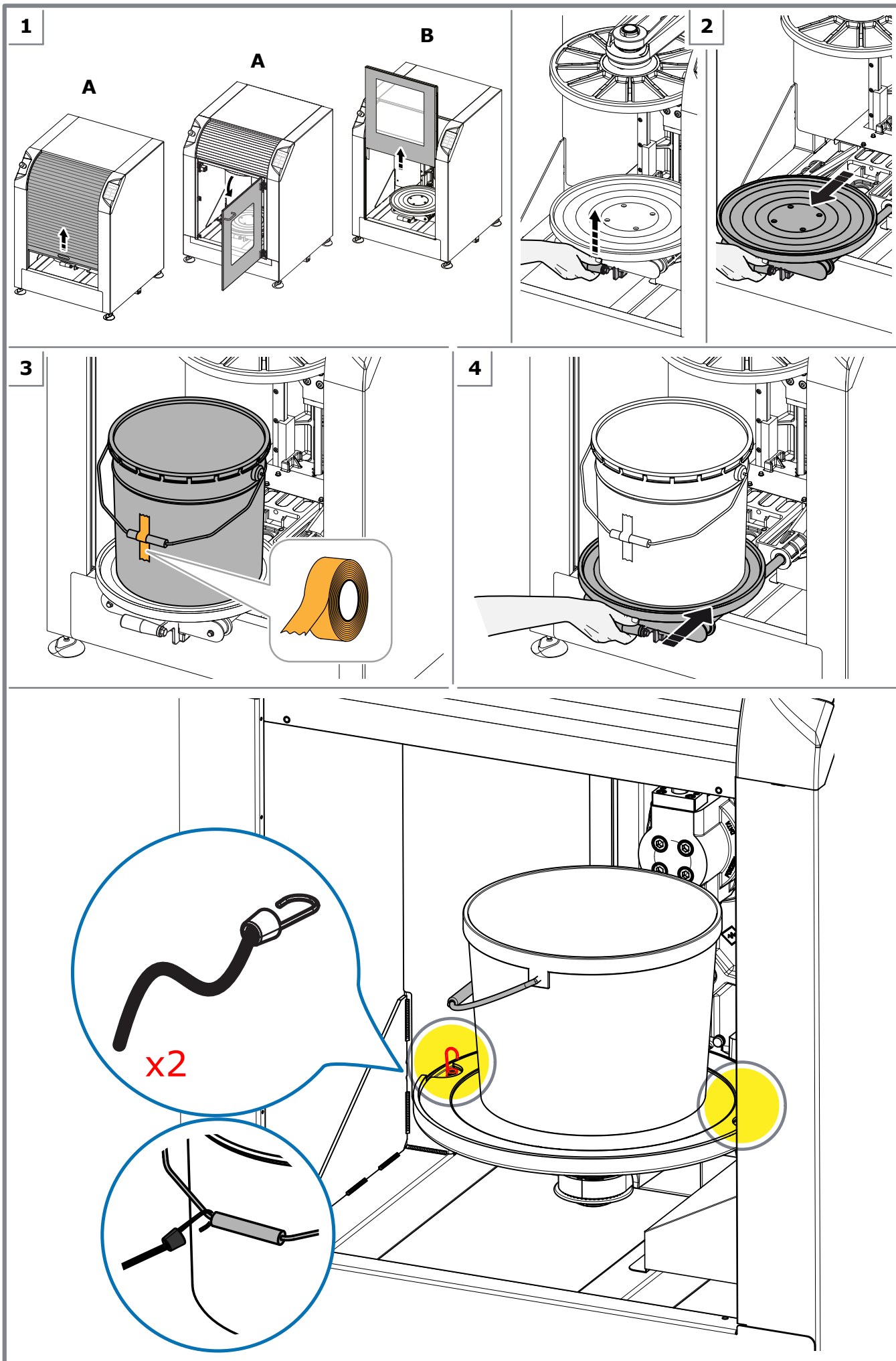
5 x 1/4 G (approx 1 liter)

4 x 1 G (approx 3.8 liters)

**WARNING****CORRECT USE OF THE ADAPTER**

Make sure you position correctly the cans in the spaces provided on the adapter.

If the extended splash-guard is present, do not use the outer spaces to position the cans, in order to avoid possible mechanical interferences.



6.3 Running a mixing cycle

1. If necessary, open the door:
 - With shutter door and hinge door (**A**): open the door manually.
 - With automatic vertical sliding door (**B**): press the cycle start/stop key  to open the door automatically.
2. Load the can as indicated in chapter [Loading of cans](#).
3. Close the door:
 - With shutter door and hinge door (**A**): close the door manually.
 - With automatic vertical sliding door (**B**): the door will close automatically after you have started the mixing cycle as indicated in the next paragraph.

With shutter door and hinge door, the safety device prevents the mixing cycle to be started when the door is open and keeps the door locked during mixing.

4. To carry out the AUTOMATIC mixing program, press the  key. The parameters of the mixing cycle (clamping force, rotation speed and cycle duration) will be chosen automatically based on can height.
5. To carry out one of the pre-set mixing programs, press the corresponding keys (for example,  or ).
 - Press the key **once** to select the first program
 - Press the key **multiple times** to scroll through the subsequent programs

When a key is pressed, the display shows the name of the program selected.

6. If required, change the mixing time with the adjusting keys  . It is possible to set a time also for the AUTO cycle.
7. Press the cycle start/stop key  or **hold down the key corresponding the program selected**.

When the mixing time has elapsed, mixing is over and the mobile mechanism slows down until it comes to a rest in its starting position.

Once the mixing cycle is complete, it is possible to remove the can.

When the machine is equipped with automatic door, the door will open automatically at the end of the cycle, making it possible to remove the can.

The machine is now ready to carry out another mixing cycle; the program just executed will be proposed.



HAZARD

In any emergency event occurring when the mixing cycle is in progress press the emergency stop button (chapter [Emergency stop](#)).

6.3.1 Advance stop

It is possible to stop a mixing cycle at any time.

To end the mixing cycle before the set time has elapsed:

- Press the cycle start/stop key 

or

- Press and hold down any of the cycle keys.

6.3.2 Error conditions

The machine will warn the user about possible operation anomalies or machine breakdowns through error codes shown on the display.



ATTENTION

For the machine version with shutter door and hinge door: if the machine is in error condition and the emergency stop button is released, the door is not locked.

The machine displays ALARMS (ALRxx) or WARNINGS (WRNxx).

- To resolve an **alarm**, press and release the emergency button to clear the alarm and remove it (e.g. ALR09 REPOSITIONING TIME ELAPSED).
- To resolve a **warning**, you just have to execute the specific action required to complete the activity (e.g. WRN 01 CLOSE THE DOOR).

The active error codes are displayed continuously, alternated to their description. If an error is active, it is no longer possible to use the machine.

Check if the fault is solved. If this is not the case, call the authorized technical service, telling them the error code so they can identify the kind of fault occurred.

Following is a list of alarm and warning messages with corresponding solutions for the operator to solve the fault.

If the error condition is not solved, contact authorized technical service.



WARNING

After an alarm, before pressing the start/stop button, it is suggested to open the door (if possible) and check the condition of the paint can. If it is not clamped, remove it if possible before carrying out repositioning.



ATTENTION

For other alarm codes, contact authorized technical service.

ALR00 - EMERGENCY	The message appears when the emergency stop button is pressed. Release the emergency stop button to clear the alarm. After releasing the emergency, it might be necessary to bring the machine to the correct initial operating conditions, by pressing the cycle start/stop key.
WRN01 - CLOSE THE DOOR	The message appears when cycle start command is given when the door is open. Close the door to clear the warning.
WRN04 - PUSH PLATE IN	The message appear when the bottom clamping plate is not correctly inserted or the plate-in condition is not detected by the corresponding sensor. Push the plate firmly inside the machine until it locks in place.
WRN08 - INITIAL CONDITIONS	The message appears when the machine is not in the correct initial operating conditions to execute the mixing cycle, that is to say: • the mixing mechanics is in vertical position • the repositioning pin must be hooked • the clamping plates must be fully open Press the cycle start/stop key. After an emergency stop or after a sudden power outage, it is necessary to restore initial machine conditions with this procedure. Note: if you think it is necessary to first check the conditions of the can and the position of the mechanics, before executing the repositioning) it is possible to unlock the door and carry out a visual check (chapters Door unlock (shutter door), Door unlock (automatic vertical sliding door) and Door unlock (hinge door)).
ALR09 - REPOSITIONING TIME ELAPSED	The message appears when the machine has not correctly terminated the mixing mechanics repositioning process. Press and release the emergency stop button and then press the cycle start/stop key.
ALR11 - PIN MOTOR ERROR	The repositioning pin motor is blocked, sensors are faulty or the hooking spring of the pin is damaged. Technical assistance is required to check connections and operation of repositioning pin sensors, motor and spring.
WRN18 - CAN TOO BIG	The can to be mixed is too high or there is a fault on the clamping control system (clamping motor or plates position sensors). Press and release the emergency stop button and then press the cycle start/stop key. Use only cans with the dimensions specified in the user's manual.
WRN19 - CAN TOO SMALL	The can to be mixed is too low or absent, or there is a fault on the clamping control system (clamping motor or plates position sensors). Press and release the emergency stop button and then press the cycle start/stop key. Use only cans with the dimensions specified in the user's manual.
ALR22 - ENCODER ERROR	The position of the clamping plates detected by the sensor is not consistent with the command sent to the motor, or the control electronics did not detect plates movement. Technical assistance is required to ensure correct clamping conditions.

ALR26 - DOOR MOVEMENT FAULT	The message appears when an unexpected movement of the door is detected, during the cycle or during the plates opening/closing phase. With automatic door, the message can appear during automatic opening and closing of the door, when the movement is not correct and regular (e.g. closing is prevented by an obstacle). On the contrary, if the message appears while a mixing cycle is in progress, it could mean that there is a problem in the door close sensor (needs adjustment or is not working properly). To resolve the error, with shutter door or hinge door: 1. Close the door. 2. Press and release the emergency stop button. 3. Press the cycle start/stop key. To resolve the error, with automatic door: 1. Press and release the emergency stop button. 2. Press the cycle start/stop key. The door will execute a close/open cycle, to test its operation. At this point, it will be possible to start a new cycle, by pressing again the cycle start/stop key.
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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](#).



WARNING

Following the analysis of the safety circuits in compliance with Standard UNI EN ISO 13849-1:2016, the two contactors K1 and K2 no longer fulfil their safety function after the 19th operating year. Therefore it is necessary to replace these components after this time period, to ensure machine safe operating conditions.

The replacement must be carried out exclusively by trained and authorized service personnel.

For additional operations other than those indicated, contact the manufacturer or authorized service center.

7.2 Cleaning

The machine may get dirty accidentally (paint spills) or due to dust build-up over time. In the first instance, the machine must be cleaned immediately; periodic cleaning will suffice for the latter.



WARNING

NEVER USE A SOLVENT-BASED CLEANING PRODUCT OR ABRASIVE POWDER.

DO NOT USE WATER JETS OR STEAM TO CLEAN THE INTERIOR OF THE MACHINE.

7.2.1 External cleaning

We recommend a general cleaning of coverings, panels and control devices of the machine, to remove dirt, dust and any stains, using a soft and dry cloth, or slightly moistened with a mild cleansing solution.

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

7.2.2 Internal cleaning

In the event of paint leaks inside the machine, clean immediately using a moistened cloth or a spatula.

Waste liquids are collected in the bottom plate and can be drained through the holes provided, by slightly tilting the machine.

The machine is provided with special splash-guards that protect the upper clamping screw and the guides of the extractable plate from possible sprays of product.

7.3 Lubrication

Some mechanical components are used on the machine that do not require any form of preventive maintenance.

Every **1500 working cycles** or every 6 months of operation approximately, we recommend performing following operations:

1. Clean and lubricate the clamping screws and the guides of the clamping mechanism.
2. Clean and lubricate the sliding guides of the pull-out clamping plate.
3. Clean and lubricate the guides of the door.
4. Lubricate the gear rack of the automatic vertical sliding door.

Use grease type OKS 422 or similar grease having the following characteristics.

Technical characteristics of the lubricant	
Application field	Suitable for gears, screws and similar parts of machines exposed to high pressures and temperatures; it offers excellent resistance to extreme temperatures, high loads, vibrations and high running speeds.
Composition	Complex soap of barium and synthetic oil
Temperature range	from - 40°C to + 180°C
Consistency class	NLGI 2

7.3.1 Lubricating the clamping screws and the mechanics sliding guides

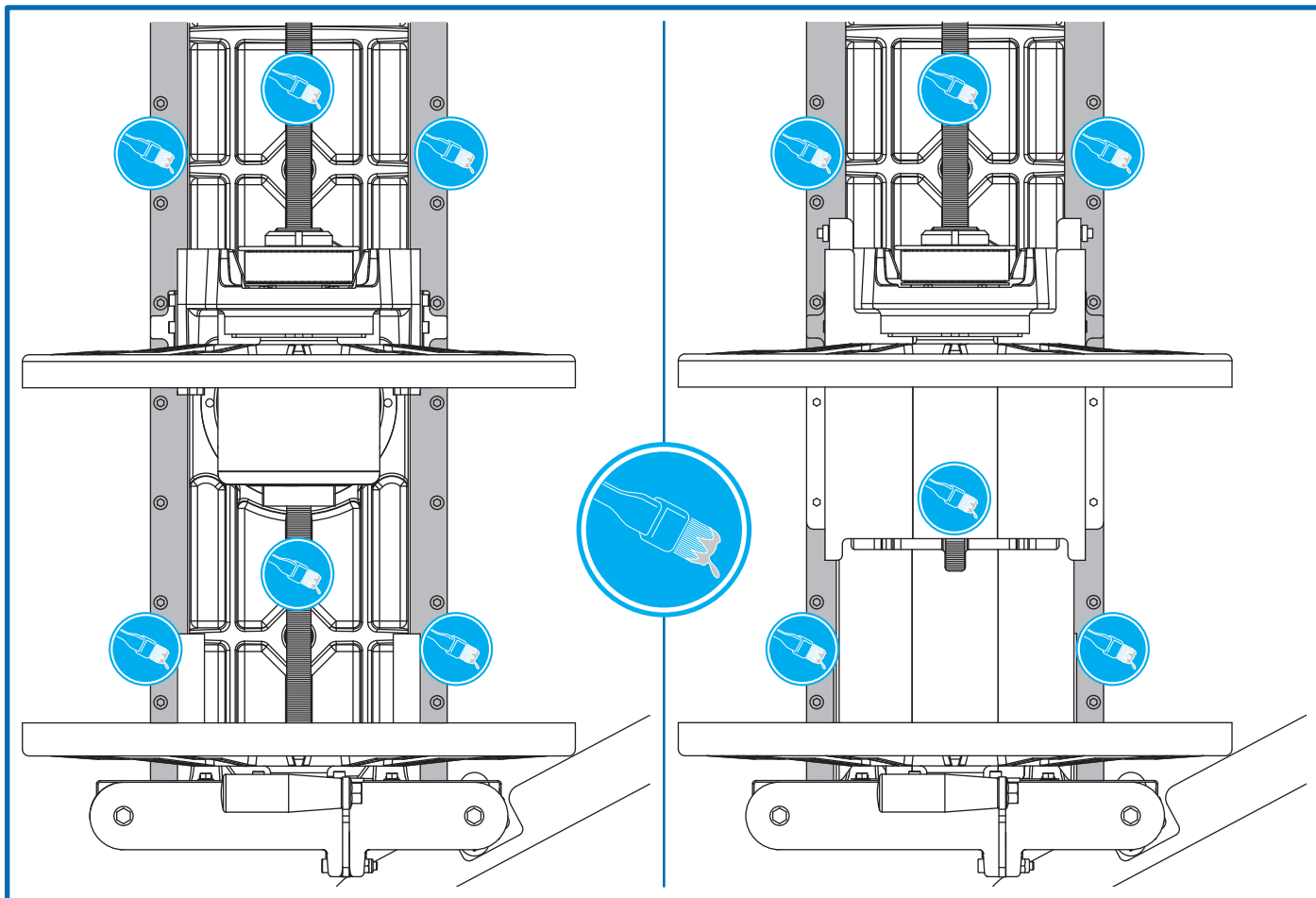
 WARNING
DO NOT REMOVE THE SPLASH-GUARDS THAT PROTECT THE UPPER CLAMPING SCREW AND THE GUIDES OF THE EXTRACTABLE PLATE. The cleaning and lubricating operations must be carried out with the protections installed and following the indications of the next chapters.

With shutter door and hinge door:

1. Open the door.
2. Place a small can (not lower than 100 mm) on the bottom clamping plate.
3. Close the door and start a mixing cycle.
4. Stop the cycle by pressing the emergency stop button and then release the button.
5. Unlock the shutter door (chapters [Door unlock \(shutter door\)](#) and [Door unlock \(hinge door\)](#)).
6. Open the door.
7. Press the emergency stop button, shut down the machine and disconnect it from the power supply (chapter [Shut-down](#)).
8. Lubricate the upper and lower clamping screws and the sliding guides of the mixing mechanics. Turn the mechanics manually if necessary.
9. Close the door.
10. Connect power supply, turn on the machine (chapter [Electrical connection and start-up](#)) and release the emergency stop button.
11. Carry out one or more mixing cycles to allow the clamping plates to close and then open so to evenly spread the lubricant.

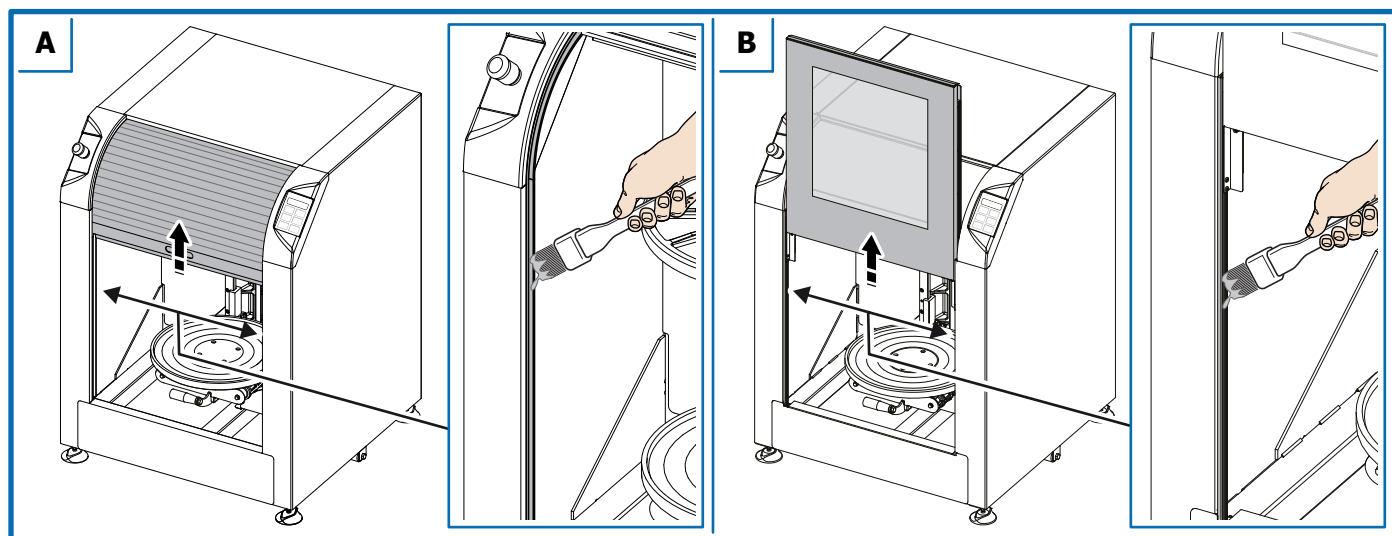
With automatic door:

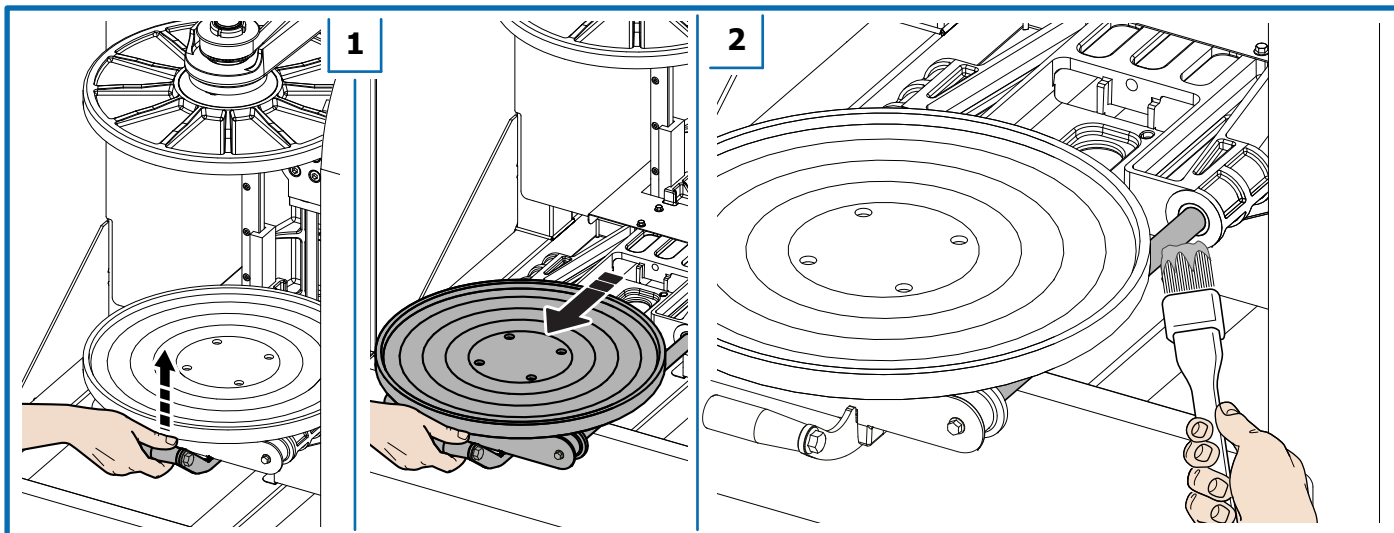
1. Place a small can (not lower than 100 mm) on the bottom clamping plate.
2. Start a mixing cycle.
3. Stop the cycle by pressing the emergency stop button and then release the button.
4. Unlock the automatic door (chapter [Door unlock \(automatic vertical sliding door\)](#)).
5. Press the emergency stop button, shut down the machine and disconnect it from the power supply (chapter [Shut-down](#)).
6. Lubricate the upper and lower clamping screws and the sliding guides of the mixing mechanics. Turn the mechanics manually if necessary.
7. Connect power supply, turn on the machine (chapter [Electrical connection and start-up](#)) and release the emergency stop button.
8. Carry out one or more mixing cycles to allow the clamping plates to close and then open so to evenly spread the lubricant.



7.3.2 Lubricating the door and extractable plate sliding guides

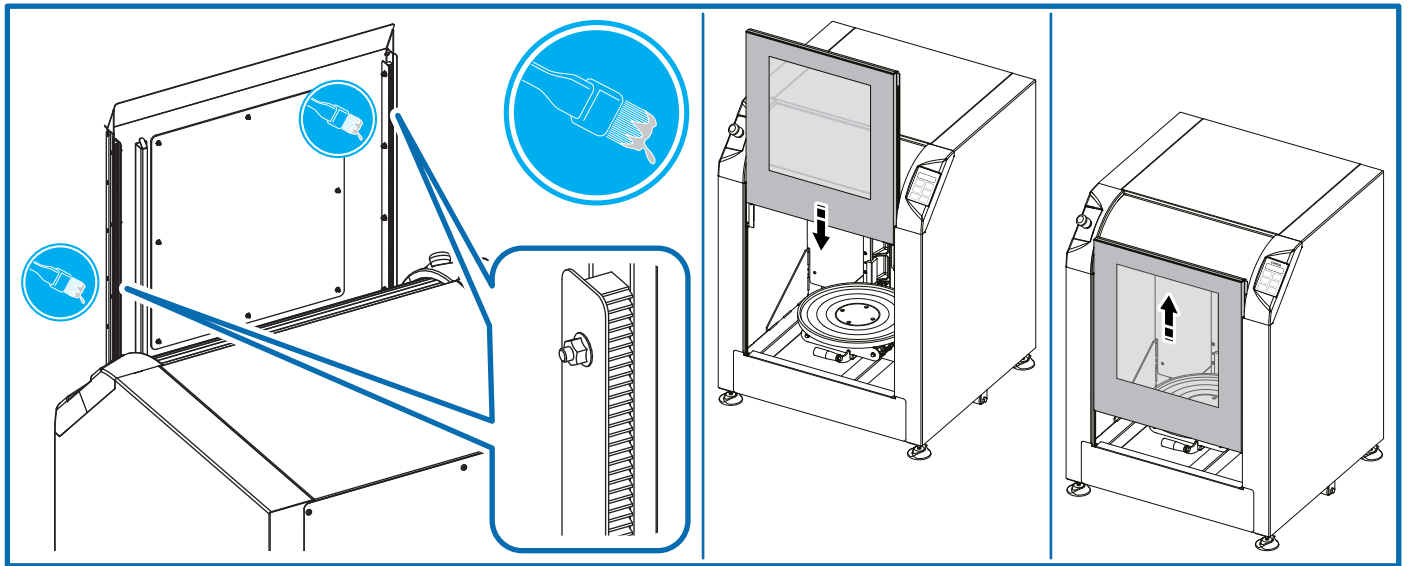
1. Clean and lubricate in the points indicated in figure.
2. Slide the shutter door and the extractable plate multiple times to evenly spread the lubricant.





7.3.3 Lubricating the gear rack automatic vertical sliding door only)

1. Lubricate the gear rack as indicated in figure.
2. Open and close the automatic door to evenly spread the lubricant.



8 TECHNICAL SPECIFICATIONS

8.1 Technical data

Power supply
Note: with 100/200 V power supply, machine performance may be slightly altered
CE: Single-phase 200 - 240 V~ ± 10% 50/60 Hz Single-phase 100 - 120 / 127 V~ ± 10% 50/60 Hz optional with autotransformer
ETL: [X2] Single-phase 200 - 208 V~ ± 10% [X1] Single-phase 110 - 120 V~ ± 10% optional with autotransformer
Fuses
F 10 A
Maximum power absorbed
1050 W
Mixing motor power
0.75 HP (0.55 kW)
Noise level (a)
Level of equivalent acoustic pressure: < 70 dB (A)
Working environmental condition
Temperature: between 10°C (50°F) and 40°C (104°F)
Relative humidity: between 5% and 85%, without condensation

(a) 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.

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*

AGITATORE GIROSCOPICO AUTOMATICO
AUTOMATIC GYROSCOPIC MIXER

MODELLO - *MODEL*

MATRICOLA - *SERIAL No.*

[MACHINE NAME]

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

COROB S.p.A.

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

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

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

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

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

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

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COROB S.p.A.

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

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



BG - Производителът, който е лице, упълномощено за изготвяне на техническата документация, декларира на собствена изключителна отговорност, че машината, за която се отнася тази декларация, е в съответствие със съществените изисквания, предвидени от следните Директиви: Директива 2006/42/EC - Машини - Директива 2014/30/EU относно Електромагнитна съвместимост - Директива 2011/65/EU изменена с 2015/863/EU - Директива WEEE 2012/19/EU. Освен това се гарантира, че проектирането на машината и съответното производство са извършени и документирани при спазване на конкретни фирмени процедури в съответствие със стандарт EN ISO 9001:2015, отнасящ се до системите за управление на качеството.
CS - Vyrobcе a osoba pověřená sestavením technické dokumentace stvrzuji 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 zařízeních 2006/42/EC - Směrnice o elektromagnetické kompatibilitě 2014/30/EU - Směrnice 2011/65/EU ve znění 2015/863/EU - Směrnice WEEE 2012/19/EU. Dále se zaručuje, že stroj byl navržen a vyroben, a výroba je zdokumentována, v souladu s přesnými firmenními 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. 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. 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 υπαπόσχεση, το μηχάνημα στο οποίο αναφέρεται το παρόν, συμμορφώνεται με τις ουσιαστικές απαιτήσεις που προβλέπονται από τους κανονισμούς: Οδηγία Μηχανήματος 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. Εγγυάται περαιτέρω ότι ο σχεδιασμός του μηχανήματος και η σχετική κατασκευή του εκτελείται και υποστηρίζεται από έγγραφα, ακολουθώντας τις ακριβείς εργοστασιακές διαδικασίες σύμφωνα με το πρότυπο EN ISO 9001:2015 σχετικά με τα συστήματα διαχείρισης ποιότητας.
ES - El fabricante y la persona autorizada para componer el fascículo técnico declara, bajo su propia y exclusiva responsabilidad, que la máquina a la que hace referencia esta declaración guarda conformidad con los requisitos esenciales previstos por las directivas siguientes: Directiva de máquinas 2006/42/EC - Directiva de compatibilidad electromagnética 2014/30/EU - Directiva 2011/65/EU modificada por 2015/863/EU - Directiva WEEE 2012/19/EU. Se garantiza además que el diseño de la máquina y su producción se han efectuado y documentado de acuerdo con procedimientos de fábrica precisos conformes a la normativa EN ISO 9001:2015 relativa a los sistemas de gestión de calidad.
ET - Tootja ja tehnilise toimiku koostajaks volitatud isik kinnitavad oma täieliku vastutuse, et seade, millele käesolev avaldus viitab, vastab järgnevatel regulatsioonide põhinõuetele: Masinadirektiiv 2006/42/EC - Elektromagnetilise ühilduvuse direktiiv 2014/30/EU - Direktiiv 2011/65/EU muudetud 2015/863/EU-ga - Direktiiv WEEE 2012/19/EU. Peale selle on garanteeritud, et seadme projektseimise ja tootmise on järgitud täpsed tehaseprotseduurid, mis vastavad 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 Direktiivi 2011/65/EU sellaisena kuin se on muutettuna direktiivillä 2015/863/EU - Direktiivi WEEE 2012/19/EU. Lisäksi taataan, että koneen suunnittelussa ja valmistelussa ja näiden dokumentoinnissa noudatetaan tehtaan tarkkoja menettelytapoja, jotka täyttävät laadunhallintaa koskevan EN ISO 9001:2015 -standardin vaatimukset.
FR - Le fabricant, et toute personne autorisée à établir le dossier technique, déclare sous sa propre responsabilité que la machine à laquelle se rapporte cette déclaration est conforme aux exigences essentielles prévues par les directives suivantes : Directive Machines 2006/42/EC - Directive Compatibilité Electromagnétique 2014/30/EU - Directive 2011/65/EU telle que modifiée par 2015/863/EU - Directive WEEE 2012/19/EU. Le fabricant garantit également que la conception de la machine, ainsi que sa production, ont été effectuées et documentées, en suivant des procédures d'entreprise précises conformes à la norme EN ISO 9001:2015 relative aux systèmes de gestion qualité.
GA - Dearbhaíonn an dántóir, agus an duine atá údaraithe chun an comhad teicniúil a chur le chéile, ar a threagracht féin go bhfuil an gléas a mbaineann an ráiteas seo leis i gcomhréir leis na riachtanais atá leagtha amach sna treoiracha seo a leanas: Treoir um Innealra 2006/42/EC - Treoir um Chomhoiriúnacht Leictreamaighnéadach 2014/30/EU - Treoir 2011/65/EU arna leasú le 2015/863/EU - Treoir WEEE 2012/19/EU. Deimhnítear freisin go bhfuil dearadh an ghléis agus a dhéantús déanta, agus doiciméadaithe, de réir grúisana 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, izjavljuju pod svojim 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 izmijenjene i dopunjene 2015/863/EU - Direktive WEEE 2012/19/EU. 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 felzet 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, módosítással módosított 2015/863/EU irányelv - WEEE 2012/19/EU irányelv. A gyártó garantálja továbbá, hogy a gép tervezése, kivitelezése, valamint a folyamat dokumentálás az üzemi előírások precíz betartásával történik, a minőségkezelési rendszerekkel foglalkozó EN ISO 9001:2015 szabvánnyal összhangban.
IS - Framleiðandinn, og einstaklingurinn sem hefur heimild til að taka saman tekniskýflun, 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 rafseguldröðsamhæfi 2014/30/EU - Tilskipun 2011/65/EU eins og henni var breytt með 2015/863/EU - Tilskipun WEEE 2012/19/EU. Ennfremur er ábyrgt að hönnun vélarinnar og tengd framleiðsla fer fram, og er það skjálfaft, í samræmi við nákvæmt framleiðsluferli og í samræmi við EN ISO 9001:2015 staðalinn um gæðastjórnunarkerfi.
LT - Gamintojas ir asmuo įgaliotas sudaryti techninę dokumentaciją, savo atsakomybe pareiškia, kad staklės, kurioms skirta ši deklaracija, atitinka esminius šių direktyvų reikalavimus: Mašinų direktyva 2006/42/EC - Elektromagnetinio suderinamumo direktyva 2014/30/EU - Direktyva 2011/65/EU su pakeitimais, padarytais 2015/863/EU - Direktyva WEEE 2012/19/EU. 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, apliecina uz savu atbildību, ka mašina, uz kuru šī deklarācija attiecas, atbilst šādu direktīvu: pamatprasībām Mašīnu Direktīva 2006/42/EC - Elektromagnētiskās saienības Direktīva 2014/30/EU - Direktīva 2011/65/EU grozīta ar 2015/863/EU pantu - Direktīva WEEE 2012/19/EU. Tiek arī nodrošināts, ka mašīnas dizains, pēc precīziem biznesa procesiem atbilst standartu EN ISO 9001:2015 prasībām attiecībā uz vadības sistēmu kvalitāti.
MT - Il-manifattur, u l-persuna awtorizzata b'iek tikkompila l-fajj tekniku jiddikjaraw taht ir-responsabilita tagħhom stess li l-magna li għaliha qed issir din id-dikjarazzjoni hija konformi għar-rekwiżiti essenzjali previsti mid direttivi li ġejjin: Direttiva dwar il-Magni 2006/42/EC - Direttiva dwar il-Kompatibilità Eletromanjettika 2014/30/EU - Direttiva 2011/65/EU kif emendata b'2015/863/EU - Direttiva WEEE 2012/19/EU. Dan jiġura wkoll li l-disinn tal magna u l-produzzjoni tagħha jsiru, u jiġu ddokumentati wara proċessi tan-neġozju preċiż li huma konformi ma' EN ISO 9001:2015 dwar is-sistemi ta' ġestjoni tal-kwalità.
NL - De fabrikant en gemachtigde voor het samenstellen van het technisch dossier verklaart dat het betreffende toestel voldoet aan de toepasselijke fundamentele voorschriften van de volgende richtlijnen: Machinerichtlijn 2006/42/EC - EMC-richtlijn 2014/30/EU - Richtlijn 2011/65/EU zoals gewijzigd bij 2015/863/EU - Richtlijn WEEE 2012/19/EU. 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 - Produzenten 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. 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, na własną, wyłączną odpowiedzialność, że maszyna, której dotyczy niniejsza deklaracja, jest zgodna z zasadniczymi wymaganiami przewidzianymi w następujących dyrektywach: Dyrektywa Maszynowa 2006/42/EC - Dyrektywa Kompatybilności Elektromagnetycznej 2014/30/EU - Dyrektywa 2011/65/EU zmieniona przez 2015/863/EU - Dyrektywa WEEE 2012/19/EU. Ponadto gwarantuje się, że fazy projektowania oraz produkcji maszyny zostały przeprowadzone oraz są udokumentowane według dokładnych procedur zakładowych, zgodnych z normą EN ISO 9001:2015, dotyczącą systemów zarządzania jakością.
PT - O Fabricante e a pessoa autorizada a preencher o documento técnico declaram, à sua inteira e exclusiva responsabilidade, que a máquina a que se refere esta declaração está em conformidade com os requisitos essenciais estabelecidos pelas seguintes diretvas: Diretiva Máquinas 2006/42/EC - Diretiva Compatibilidade Eletromagnética 2014/30/EU - Diretiva 2011/65/EU alterada pela 2015/863/EU - Diretiva WEEE 2012/19/EU. É também garantido que a conceção e produção da máquina são efetuadas e documentadas de acordo com procedimentos empresariais específicos em conformidade com a norma EN ISO 9001:2015 relativa aos sistemas de gestão da qualidade.
RO - Fabricantul 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. Se garantează, de asemenea, că proiectarea mașinii și producția acesteia, documentate corespunzător, se efectuează cu respectarea unor proceduri de înteprindere specifice, conforme cu standardul EN ISO 9001:2015 aferent sistemelor de management al calității.
SK - Výrobca a osoba poverená vypracovaním technickej dokumentácie na vlastnú zodpovednosť prehlasujú, že stroj, na ktorý sa toto prehlásenie vzťahuje, je v súlade so základnými požiadavkami, ktoré vyžadujú nasledujúce smernice: Smernica o strojných zariadeniach 2006/42/EC - Smernica o elektromagnetickej kompatibilitate 2014/30/EU - Smernica 2011/65/EU zmenená a doplnená 2015/863/EU - Smernica WEEE 2012/19/EU. Ďalej sa zaručuje, že stroj bol navrhnutý a vyrobený, a výroba je zdokumentovaná, v súlade s presnými firmennými postupmi, ktoré zodpovedajú norme EN ISO 9001:2015 o systémoch riadenia kvality.
SL - Proizvajalec in oseba, pooblaščenca 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. Jamčimo tudi za obliko sistema in predmetno izdelavo, pri katerih smo opravili postopke in pripravili ustrezno dokumentacijo v skladu z ustreznimi tovarniškimi praliso in predpisom EN ISO 9001:2015, ki velja za sisteme zagotavljanja kakovosti.
SV - Tillverkaren och den person som har befogenhet att sammanställa den tekniska dokumentationen intygar, på eget ansvar, att maskinen denna försäkran hänvisar till överensstämmer med de väsentliga krav som ställs av följande direktiv: Maskindirektivet 2006/42/EC - Direktivet om elektromagnetisk kompatibilitet 2014/30/EU - Direktivet 2011/65/EU ändrat genom 2015/863/EU - Direktivet WEEE 2012/19/EU. 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 hazırlamakla görevli kişi bu beyanını ilgili oluşturu makinanın, aşağıdaki direktifler tarafından temel gerekliliklere uygun oluşturu kendi sorumluluğu altında beyan eder: 2006/42/EC Makine Direktifi - 2014/30/EU Elektromanyetik Uyumluluk Direktifi - 2015/863/EU tarafından değiştirilen 2011/65/EU sayılı Direktif - WEEE 2012/19/EU Direktifi. Bundan başka, makinanın tasarım ve ilgili üretimi, kalite yönetim sistemlerine ilişkin EN ISO 9001:2015 standardına uygun kesin işletme prosedürlerini içeren misli yoluyla gerçekleştirilmesi ve belgelendirilmesi sağlanır.

UK Declaration of Conformity

Description	AUTOMATIC MIXER
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

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

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COROB S.p.A.

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

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



ATTENTION

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

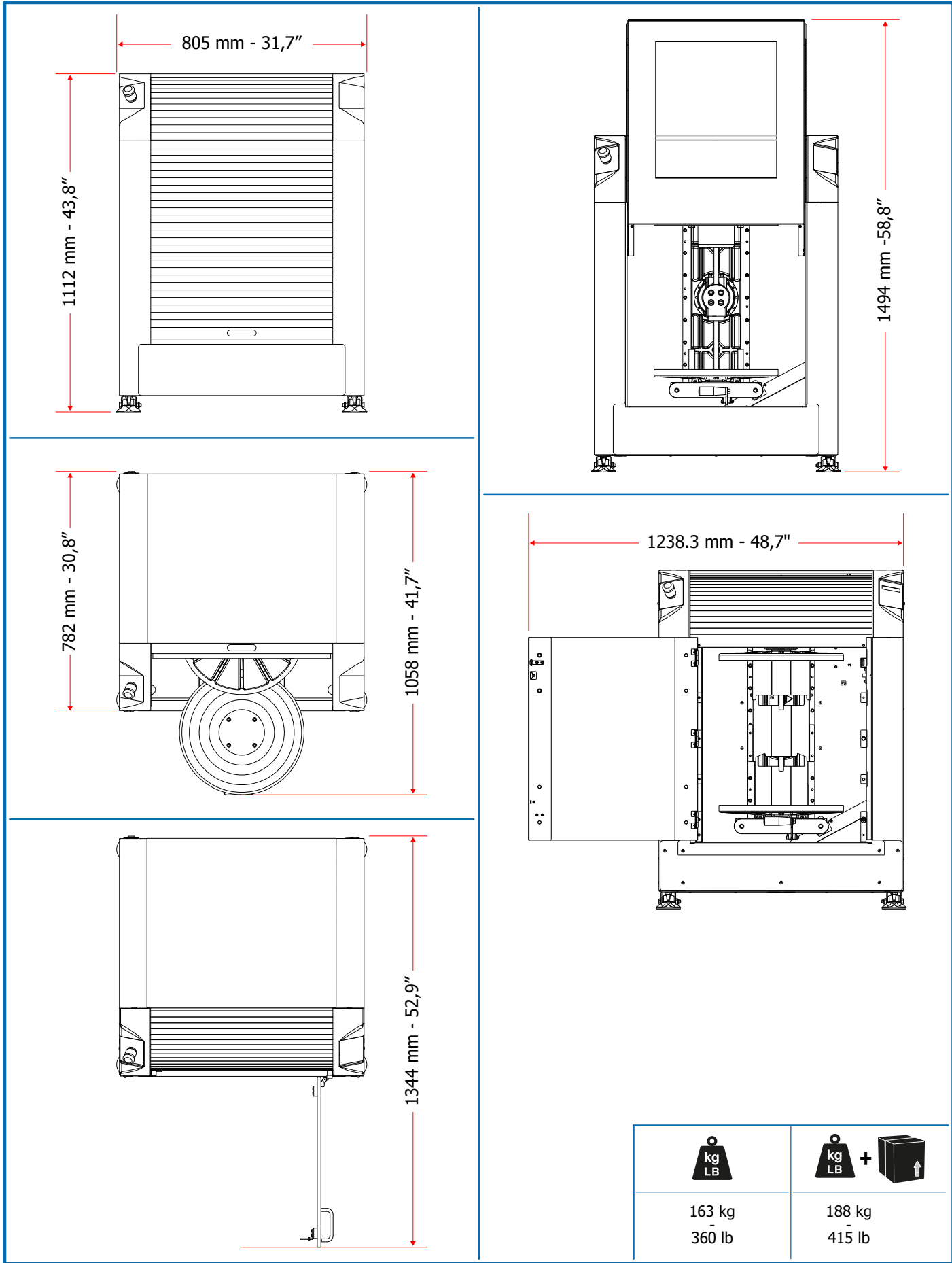
Altering or removing the guards and safety devices provided on the machine will not only void the warranty immediately, but is also dangerous and illegal.

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

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

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

8.4 Dimensions and weight



Adjusting height of the antivibration feet from 0" to 0.79" (0 to 25 mm).