

# FIRSTmix 100

**V04** 

**Gyroscopic Mixer** 

User's Manual





ΕN

User's manual Gyroscopic mixer FIRSTmix 100 Version V1.0 - R0 (07/2024) ORIGINAL INSTRUCTIONS

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### 1 GENERAL INFORMATION

## 1.1 Purpose and use of this 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.



### **DANGER**

Indicates a risk of personal injury.



### **WARNING**

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



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



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



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**

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.

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### 2 FEATURES

## 2.1 Description of the machine

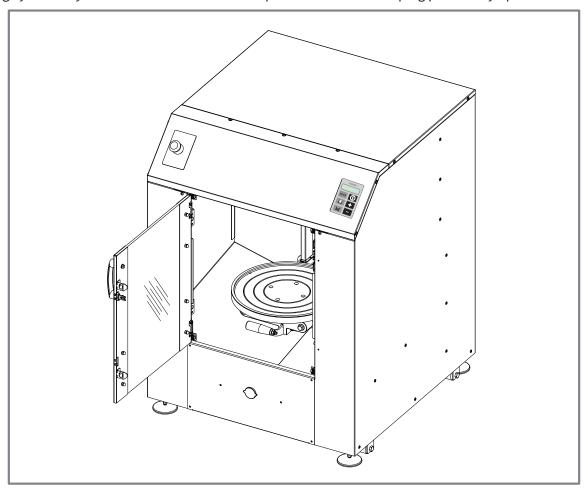
The gyroscopic mixer **FIRSTmix 100** with automatic clamping system allows mixing of non-explosive paints contained into metal or plastic containers.

It is suitable to handle cans of different size. 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. Specially designed bottom plate is available upon request, to manage different shape of cans and also to allow multi-cans management.

Clamping of the can is performed automatically.

The bottom pull-out plate makes it easy and fast to load and unload cans.

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



It features a membrane keyboard that allows to carry out a fully automatic mixing cycle ( 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.

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### 2.2 Performance and features

Mixing speed	Automatic (based on can size) or pre-set (customized cycles) 95 to 140 RPM	
	Manually set:	
Maying up Miving time	in AUTO mode (based on can size)	
Maximum Mixing time	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	
Maximum can weight	35 kg / 77 lb	
Minimum can height	100 mm [4.0"]	
Maximum can height	400 mm [15.8"]	
Maximum can diameter	340 mm [13.4"]	

## 2.3 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 mix 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.

## 2.4 Identifying information

The machine has an identification plate (chapter 3.4), indicating:

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



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

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### 3 SAFETY

## 3.1 Safety warnings and unauthorized use



#### 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.



### **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.
- It is forbidden to use the machine as a working surface; it is also prohibited to leave objects on the machine during its operation.
- THE MACHINE IS NOT EXPLOSION-PROOF AND MUST NOT BE USED IN CLASSIFIED AREAS (AREAS AT RISK FOR EXPLOSION).
- It is forbidden to smoke in the machine nearby area.
- 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.



### **ELECTRICAL DANGER**

- 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.

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- 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



### **DANGER**

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.

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6. Do not dispose of colorant in the sewage system. Follow local regulations when disposing of waste.

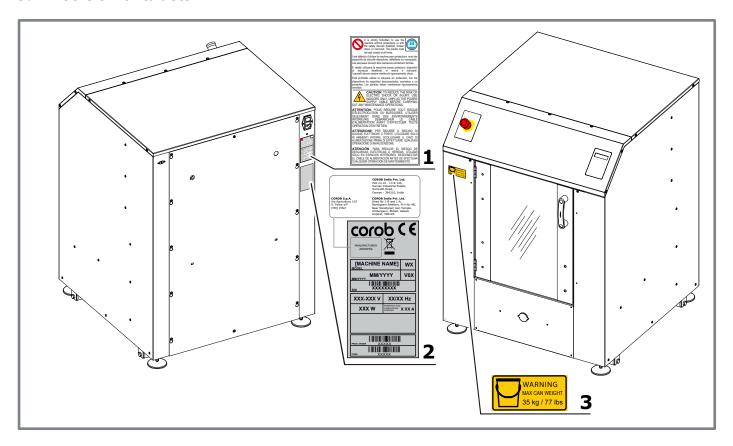
FIRSTmix 100

## 3.3 Residual risks

Risk		Preventive measure	P.P.E.	Re. in the manual
	Risk of electrocution - Risk of electrical shock if you power the machine from a socket not equipped with ground connection.	Power the machine through a grounded socket outlet.	\	ch. 5
4	Risk of electrocution / burning - Risk of electrical shock if you access machine parts protected by panels without first cutting off electrical power.	The operator is not authorized 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.	1	
	<b>Dorsal/lumbar injuries</b> - Handling heavy loads when moving the machine and loading cans in the machine may cause injuries.	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, CUT)	ch. 4 - 6
	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.	It is forbidden to climb onto the bottom clamping plate and/or onto any other parts of the machine.	MECHANICAL RISK PROTECTION GLOVES (TEAR, CUT)	ch. 6
	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.	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, CUT)	ch. 2.2 - 6
	Risk of cuts - Risk of injuries and abrasions caused by sharp edges and end parts of the cans to be handled.	Wear appropriate personal protective equipment (cut-proof gloves).  Do not use the machine with damaged cans or cans not sealed properly.	MECHANICAL RISK PROTECTION GLOVES (TEAR, CUT)	ch. 6
	Risk of explosion	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 2.3.  Respect the environment working conditions indicated in chapter 3.8.	\	ch.2.3 ch 3.8
	Risk of poisoning and sensitization  Eye and skin contacts and inhalation of vapours/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.	Do not use the machine with damaged cans or cans not sealed properly.  Read the warnings reported 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.	ch. 3.2 - 4 - 6-7

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## 3.4 Position of labels



- 1. Identification plate (chapter 2.4)
- 2. Label "General warnings"
- 3. Label "Maximum can weight"

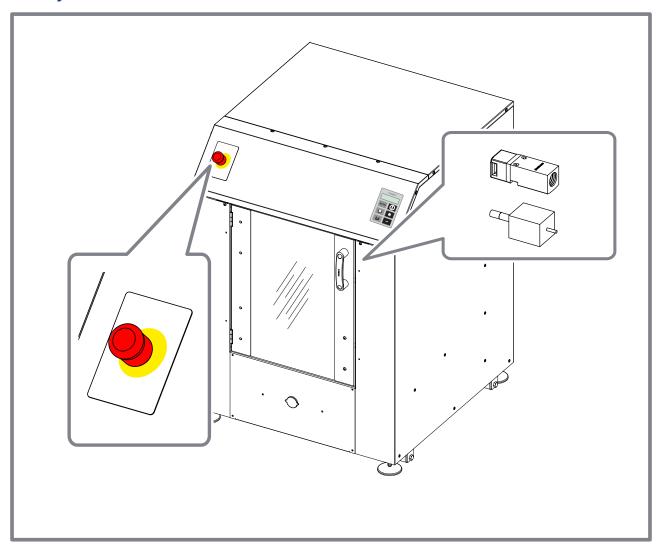


Do not remove or make illegible the safety or instruction labels. Replace any label which has become illegible or is missing, by requesting it to the manufacturer.

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## 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)

The machine is equipped with a **safety limit switch** that:

- prevents the mixing cycle to be started when the door is open
- keeps the door locked during mixing of the can

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
C	The door is unlocked and it is possible to open it.
A	The door is locked.



### **DANGER**

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.

### 3.5.1 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 5).

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

Device	Action	Expected outcome
Emergency button	With the machine on and emergency button pressed, start a cycle.	The mixing cycle must not start.
	With the machine on and a mixing cycle in progress, press the emergency stop button.	All mobile parts of the machine must stop.
Door safety device (limit switch)	Try starting a cycle with the door open.	The mixing cycle must not start. The display shows the door closing request message.
	With the machine on and mixing in progress, try to open the door with the handle.  DANGER	When opening the door, all the moving parts of the machine must stop after a certain inertia.
	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 3.4). Pressing this button, power is cut off to the entire machine and all movements are stopped.



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 **O** 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. - 11 -

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### 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

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 untill the display shows the symbol that indicates that it is possible to open the door. If the door is not unlocked, press and release the emergency button and repeat the above procedure, but using the 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 5.5).
- 2. Contact the manufacturer's authorized technical service.



### **DANGER**

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.

Environment conditions outside the values indicated (chapter 8.1) may cause serious damage to the machine, especially the electronic equipment.



### **DANGER**

When using **products containing volatile solvents**, the room in which the machine is installed must be spacious and with good ventilation: for example, for a 3 m high, 4x4 m room (total volume of 48 m<sup>3</sup>) 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.

It is forbidden to smoke in the machine nearby area.

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### 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, CUT)







### **DANGER**

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 17 mm [0.6"]	To remove the mounting screws
	1 x 19 mm [0.7"]	To adjust the support feet



### **DANGER**

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.

- Cut the plastic straps wrapped around the packing (cardboard box only).
- Remove the covering from the pallet, also removing the corresponding fasteners.
- Remove machine wrapping. Take out any accessories and/or material supplied with the machine. 3.



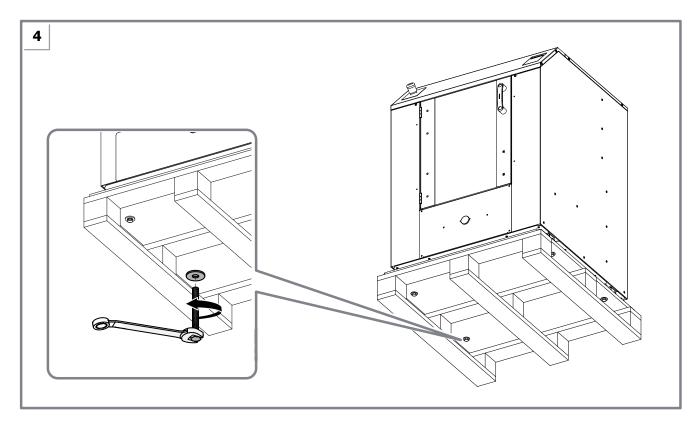
### **DANGER**

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.

Remove the four 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.

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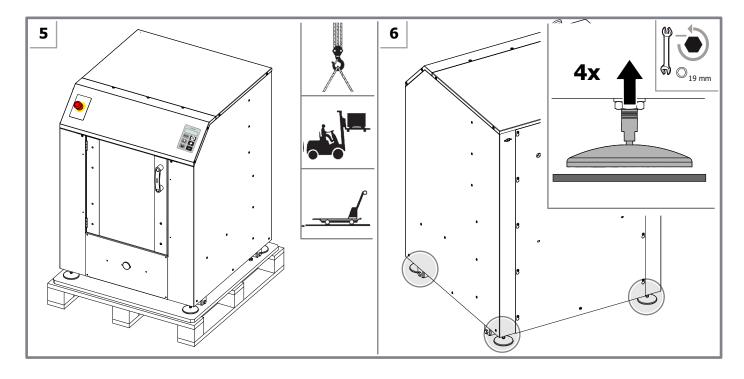


- 5. Remove the machine from the pallet using a suitable lifting equipment and place the machine in its working position.
- 6. Raise all the four feet.



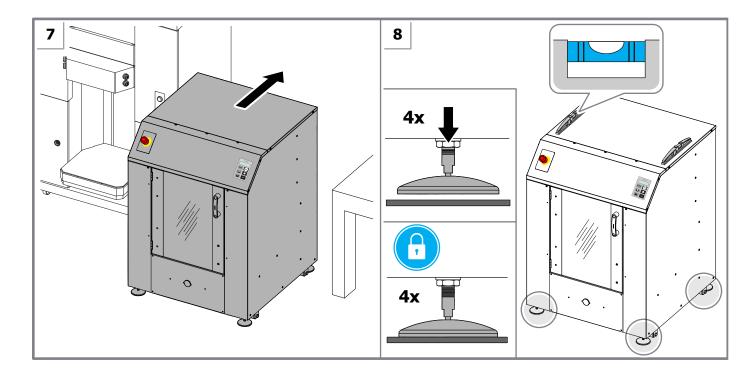
### **DANGER**

To lift and position the machine, you must use suitable lifting means only, that must be chosen based on machine weight (chapter 8).



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- 7. Push the machine in its working position.
- 8. Lower all the four feet and level the machine.
- 9. 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

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.

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.

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## 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 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.



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### 5 START-UP

## 5.1 General warnings

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



MECHANICAL RISK PROTECTION GLOVES (TEAR, CUT)





### **DANGER**

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.

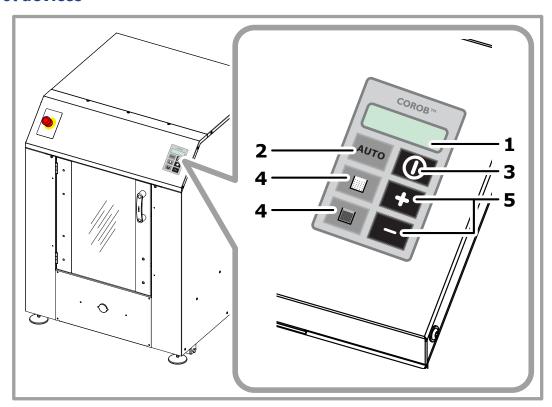


### WARNING

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 Control devices



The control panel keyboard can be fully 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

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(chapter 3.4), this means that the planned maintenance threshold has been reached. In this case, contact authorized technical service.

## 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.

## Mey 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.

## Keys to select a pre-set programs (4)

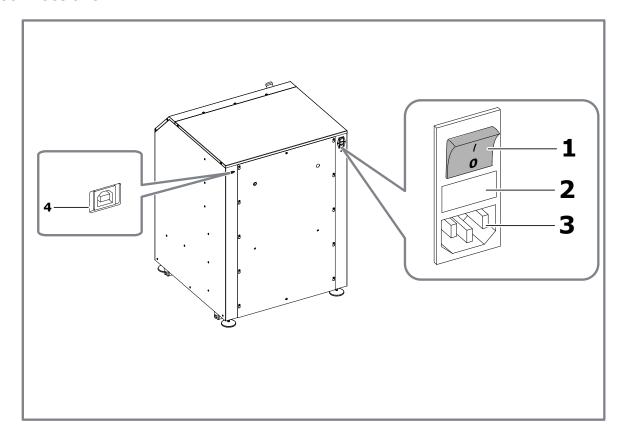
Keys that allow you to select pre-set automatic mixing programs. They can be customized with text or a graphical representation of the customer's products.

## + 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.

### 5.3 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 8.1).

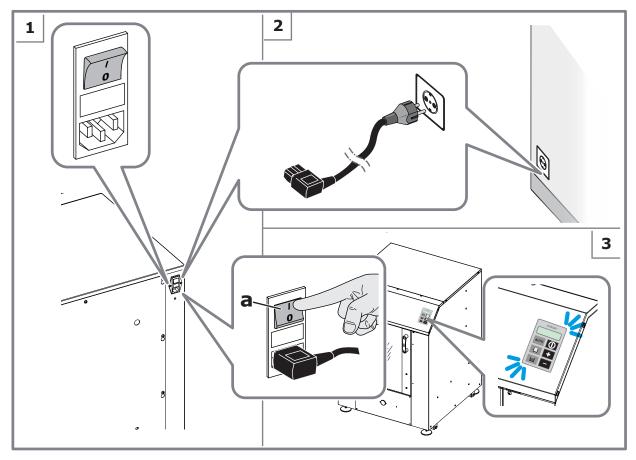
### Main plug (3)

Main power supply to the machine.

### USB port (4)

Connector for the USB interface connection to the service computer.

## 5.4 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.

### 5.4.1 Machine information

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

- Application Firmware version
- Bootloader Firmware version
- 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. To scroll through the single pieces of information, use the (+) and (-) keys on the control panel.

By pressing the (+) and (-) keys also the last detected machine errors are shown.

Symbol (!) indicates planned maintenance to be carried out.

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## 5.5 Shut-down

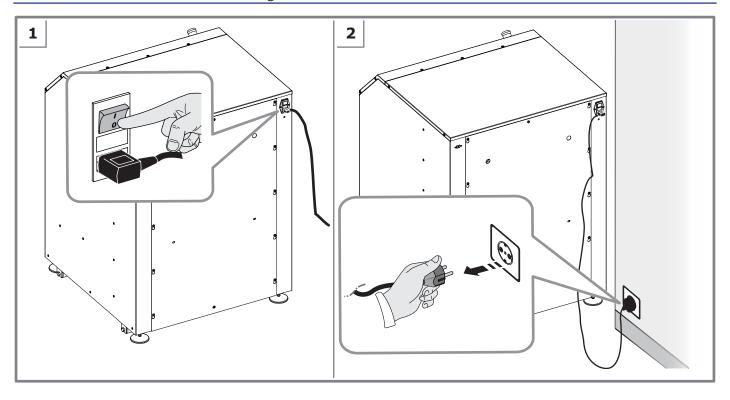
To shut off the machine:

- 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.



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### 6 USE

## 6.1 General warnings

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



MECHANICAL RISK PROTECTION GLOVES (TEAR, CUT)







### **DANGER**

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.

It is forbidden to use the machine as a working surface; it is also prohibited to leave objects on the machine during its operating.

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

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

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 100 mm (3.9") or weighing more than 77 lb (35 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.

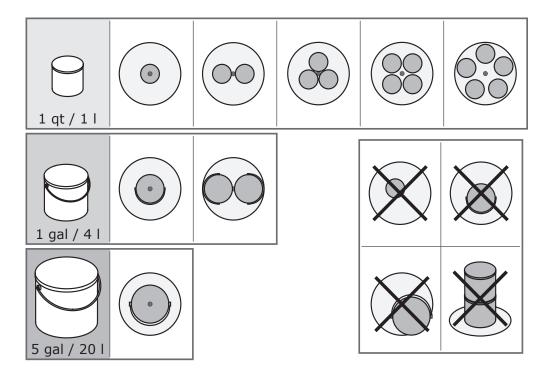
Place the cans to be mixed in the center of the bottom clamping plate.

More than one can may be mixed at the same time provided they are of the same height and do not overlap the clamping plates. Moreover, the sum of the capacities of the cans must not be greater than the machine maximum capacity.

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.

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### **WARNING**

If present, secure the paint can bail with the special holder provided, to avoid damaging the can.

**IMPORTANT:** When the bail holder 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.



### **WARNING**

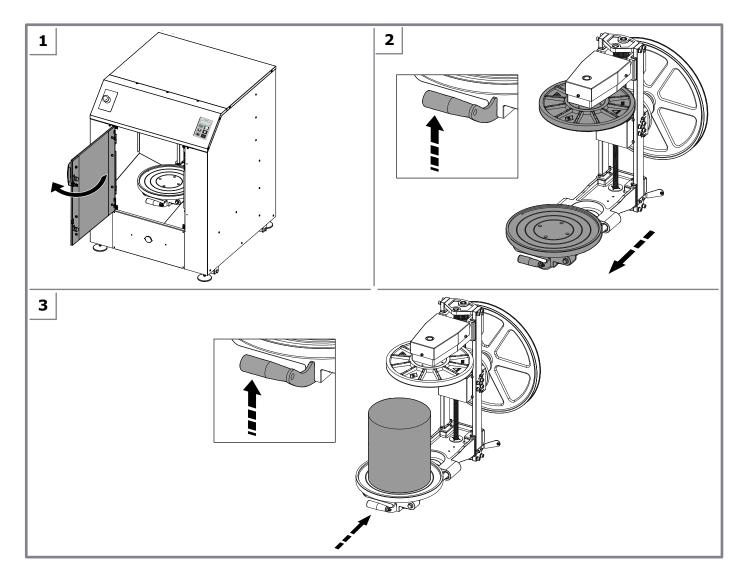
Ensure that the handle lever is locked.



### **WARNING**

Ensure that the bottom clamping plate is completely locked and there is no movement.

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## 6.3 Running a mixing cycle

- 1. Open the door manually.
- 2. Load the can as indicated in chapter 6.2.
- 3. Close the door manually.

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 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.

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

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### **DANGER**

In any emergency event occurring when the mixing cycle is in progress press the emergency stop button (chapter 3.6).



In case of blockage or malfunction refer to chapter 6.8.

### 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.



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 WARININGS (WRNxx).

- To resolve an alarm, press and release the emergency button (pull, do not rotate it) to clear the alarm and remove it (e.g. ALR22 ENCODER ERROR), or it is possible to request the repositioning of the mechanics and at the same time silence the alarm by pressing the cycle start/stop button.
- To resolve a warning, you just have to execute the specific action required to complete the activity (e.g. WRN01 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 alaram, 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.



For other alarm codes, contact authorized technical service.

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### **ALROO - EMERGENCY**

The message appears when the emergency stop button is pressed.

Release the emergency stop button (pull, do not rotate it) 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 with a key, when the door is open.

Close the door to clear the warning.

### **WRN04-PUSH PLATE IN**

The message appears 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 possibile to unlock the door and carry out a visual check (chapter 3.7.2)

### **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. If this restore procedure is successful, the door will open automatically.

### **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.

### **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.

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## **6.4 Troubleshooting**

Problem	Cause	Solution
	Power supply is missing.	Check the connections at the back of the machine (chapter 5.4).
	Main switch in OFF position (O).	Set the main switch to the ON position (I) (chapter 5.4).
Mixer not working / Mixer does	One or more fuses may be blown up.	Replace any blown fuse inside the fuse compartment (chapter 5.4).
not start	Electrical connections are defective.	Contact the authorized technical service.
	Door not properly closed	Close the door properly so that safety switch is activated.
	VFD (Variable Frequency Drive)may have gone in overload mode.	Contact the authorized technical service.
Noise coming from gyroscopic assembly	Bearing Worm out or damaged	Contact the authorized technical service.
Vibration from mixer/ mixer	Can not properly seated	Reposition can in the center.
moving abruptly	Feet are not level	Check the levelling of mixer (chapter 4.2).
Rotating assembly not stopping after end of mixing cycle	Electrical connections are defective.	Contact the authorized technical service.
Can Slinnago	VFD (Variable Frequency Drive) parameters are not set properly	Contact the authorized technical service.
Can Slippage	Clamping plate mechanism is not clamping the plate properly	Check internal cleaning (chapter 7.2.2) and lubrication (chapter 7.3.1)

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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, CUT)







### **DANGER**

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 3.2.



### **WARNING**

Following the analysis of the safety circuits in compliance with Standard UNI EN ISO 13849-1:2016, the contactor K1, after the 43th year, no longer perform the safety function; therefore, their replacement is necessary to keep the machine in safe 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 the protect the clamping screws 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:

Clean and lubricate the clamping screws.

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

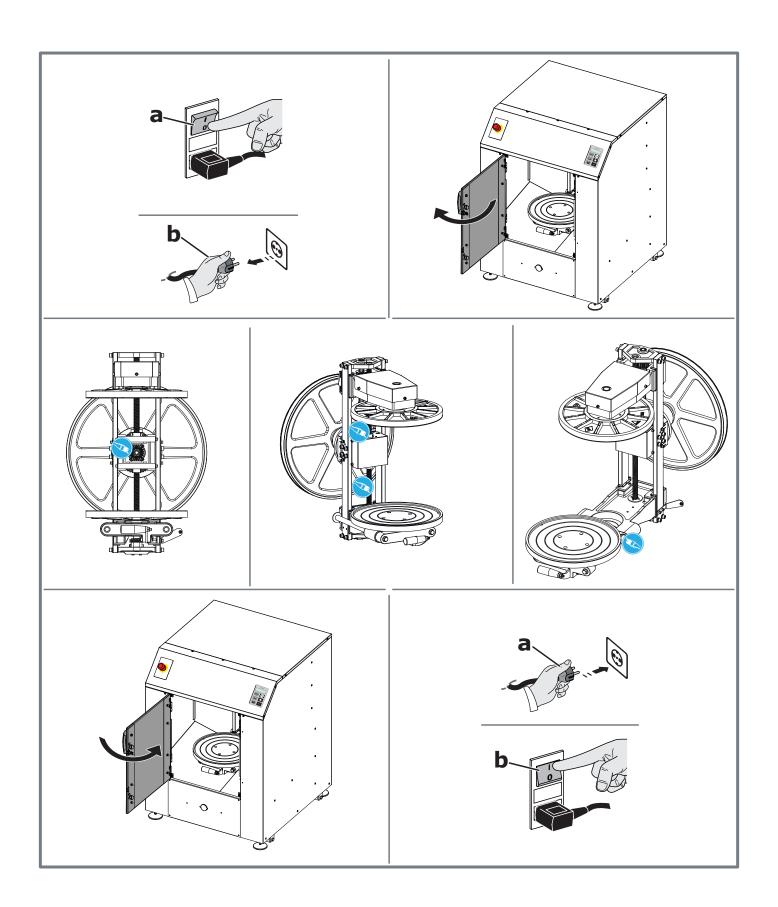
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Technical characteristics of the lubricant			
Application field	Suitable for gears, screws and similar parts of machines exposed to high pressures and temperatures; it offers excellent resistance to extreme temperatures, high loads, vibrations and 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

- 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 door (chapters 3.7.2).
- 6. Open the door.
- 7. Press the emergency stop button, shut down the machine and disconnect it from the power supply (chapter 5.5).
- 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 5.4) 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.

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### 8 TECHNICAL SPECIFICATIONS

### 8.1 Technical data

Power supply	Single-phase 200 - 240 V~ ± 10% Single-phase 100 - 120 V~ ± 10%
Frequency	50/60 Hz
Fuses	F 10 A
May navyay abaaybad	550 W (Single-phase 200 - 240 V~ ± 10%)
Max power absorbed	650 W (Single-phase 100 - 120 V~ ± 10%)
Mixing motor power	0.75 HP (0.55 kW)
Noise level (*)	Level of equivalent acoustic pressure: < 70 dB (A)
Favironment working conditions	Temperature: between 10°C (50°F) and 40°C (104°F)
Environment working conditions	Relative humidity: between 5% and 85%, without condensation

<sup>(\*)</sup> Value measured in laboratory and documented by the corresponding test report available at the manufacturer's. Operating conditions:machine working cycle, under simulated load conditions.

### 8.2 Declaration of conformity

See Appendix.

### 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.



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.

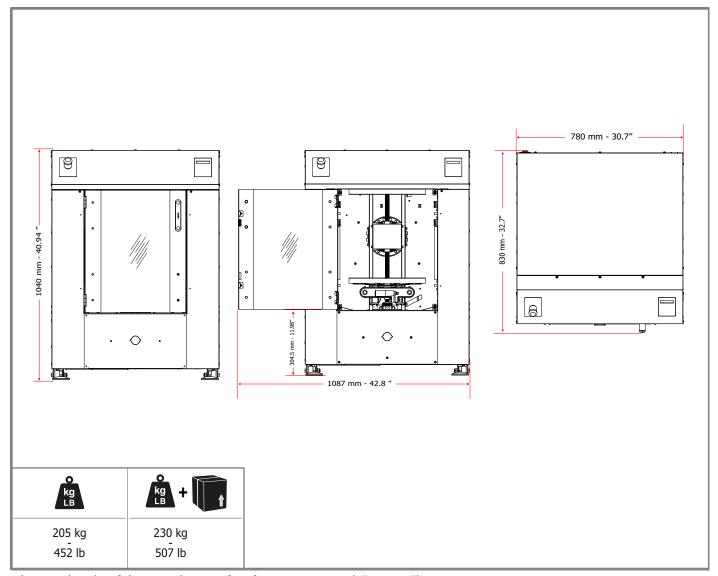
The manufacturer may not be held liable for personal injury or property damage caused by improper use of the equipment or tampering with the guards and safety devices installed on the machine.

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.

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## 8.4 Dimension & weight



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

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## Dichiarazione CE di Conformità EC Declaration of Conformity

Versione linguistica originale in Italiano	Translation of the original Italian version
DESCRIZIONE - DESCRIPTION	AGITATORE GIROSCOPICO  GYROSCOPIC MIXER
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

- 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

Nasser Arivoli (Managing Director) COROB India Pvt. Ltd. Mumbai, 15/06/2023





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- EL Ο κατασκευαστής, και ο εξουσιοδοτημένος συντάκτης του τεχνικού φακέλου, πιστοποιεί, ότι, με δική του υπαιτιότητα, το μηχάνημα στο οποίο αναφέρεται το παρόν, συμμορφώνεται με τις ουσιαστικές απαιτήσεις που προβλέπονται από τους κανονισμούς: Οδηγία Μηχανήματος 2006/42/EC Οδηγία Ηλεκτρομαγνητικής Συμβατότητας 2014/30/EU Οδηγία 2011/65/EU όπως τροποποιήθηκε από το 2015/863/EU Οδηγία WEEE 2012/19/EU.
- 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 perevistos 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.
- ET Tootja ja tehnilise toimiku koostajaks volitatud isik kinnitavad oma täielikul vastutusel, et seade, millele käesolev avaldus viitab, vastab järgnevate regulatsioonide põhinõudmistele: Masinadirektiiv 2006/42/EC Elektromagnetilise ühilduvuse direktiiv 2014/30/EU Direktiiv 2011/65/EU muudetud 2015/863/EU-ga Direktiiv WEEE 2012/19/EU.
- 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.
- FR Le fabricant, et toute personne autorisée à établir le dossier technique, déclare sous sa propre responsabilité que la machine à laquelle se rapporte cette déclaration est conforme aux exigences essentielles prévues par les directives suivantes : Directive Machines 2006/42/EC Directive Compatibilité Électromagnétique 2014/30/EU Directive 2011/65/EU telle que modifiée par 2015/863/EU Directive WEEE 2012/19/EU.
- GA Dearbhaíonn an déantóir, agus an duine atá údaraithe chun an comhad teicniúil a chur le chéile, ar a fhreagracht féin go bhfuil an gléas a mbaineann an ráiteas seo leis i gcomhréir leis na riachtanais atá leagtha amach sna treoracha seo a leanas: Treoir um Innealra 2006/42/EC Treoir um Chomhoiriúnacht Leictreamaighnéadach 2014/30/EU Treoir 2011/65/EU arna leasú le 2015/863/EU Treoir WEEE 2012/19/EU.

  HR Proizvođač, i osoba ovlaštena za sastavljanje tehničke dokumentacije, izjavljuje pod svojom punom odgovornošću da je stroj na koji se odnosi ova izjava sukladan bitnim zahtjevima slijedećih direktiva: Direktive o strojevima
- 2006/42/EC Direktive o eklektromagnetskoj kompatibilnosti 2014/30/EU Direktive 2011/65/EU izmijenjena i dopunjena 2015/863/EU Direktive WEEE 2012/19/EU.

  HU A gyártó, valamint a műszaki füzet összeállítására felhatalmazott személy saját felelősségük tudatában kijelentik, hogy a jelen nyilatkozat tárgyát képező gép megfelel az alábbi irányelvek alapvető rendelkezéseinek: 2006/42/EC
- Gépek irányelv 2014/30/EU Elektromágneses kompatibilitás irányelv 2011/65/EU irányelv, módosítással módosított 2015/863/EU irányelv WEEE 2012/19/EU irányelv.

  IS Framleiðandinn, og einstaklingurinn sem hefur heimild til að taka saman tækniskjölin, vottar, á eigin ábyrgð, að vélin sem vísað er til í þessari yfirýsingu, sé í samræmi við þær grunnkröfur sem gert er ráð fyrir í eftirfarandi reglugerðum:
- Vélatilskipun 2006/42/EC Tilskipun um rafsegulsviðssamhæfi 2014/30/EU Tilskipun 2011/65/EU eins og henni var breytt með 2015/863/EU Tilskipun WEEE 2012/19/EU.

  LT Gamintojas ir asmuo jgaliotas sudaryti technine dokumentacija, savo atsakomybe pareiškia, kad staklés, 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.

  LV Ražotājs un persona, kas ir pilnvarota sastādīt tehnisko dokumentāciju, apliecina uz savu atbildību, ka mašīna, uz kuru šī deklarācija attiecas, atbilst šādu direktīvu: pamatprasībām Mašīnu Direktīva 2006/42/EC Elektromagnētiskās
- saderības Direktīva 2014/30/EU Direktīva 2011/65/EU grozīta ar 2015/863/EU pantu Direktīva WEEE 2012/19/EU.
- MT II-manifattur, u I-persuna awtorizzata biex tikkompila I-fajl tekniku jiddikjaraw taħt ir-responsabilità taghhom stess li I-magna li għaliha qed issir din id-dikjarazzjoni hija konformi għar-rekwiżiti essenzjali previsti mid direttivi li ġejjin: Direttiva dwar il-Magni 2006/42/EC Direttiva dwar il-Kompatibilità Elettromanjetika 2014/30/EU Direttiva 2011/65/EU kif emendata b'2015/863/EU Direttiva WEEE 2012/19/EU.
- 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.
- NO Produsenten og den personen som er autorisert til å utstede den tekniske dokumentasjonen, erklærer under eget ansvar, at den maskinen denne erklæringen viser til, er i samsvar med de grunnleggende kravene som fremsettes i følgende direktiv: Maskindirektivet 2006/42/EC Direktivet om elektromagnetisk kompatibilitet 2014/30/EU Direktiv 2011/65/EU som endret ved 2015/863/EU Direktiv WEEE 2012/19/EU.
- PL Producent oraz osoba upoważniona do sporządzenia dokumentacji technicznej zaświadczają na własną, wyłączną odpowiedzialność, że maszyna, której dotyczy niniejsza deklaracja, jest zgodna z zasadniczymi wymaganiami przewidzianymi w następujących dyrektywach: Dyrektywa Maszynowa 2006/42/EC Dyrektywa Kompatybilności Elektromagnetycznej 2014/30/EU Dyrektywa 2011/65/EU zmieniona przez 2015/863/EU Dyrektywa WEEE 2012/19/EU.
- PT O Fabricante e a pessoa autorizada a preencher o documento técnico declaram, à sua inteira e exclusiva responsabilidade, que a máquina a que se refere esta declaração está em conformidade com os requisitos essenciais estabelecidos pelas seguintes diretivas: Diretiva Máquinas 2006/42/EC Diretiva Compatibilidade Eletromagnética 2014/30/EU Diretiva 2011/65/EU alterada pela 2015/863/EU Diretiva WEEE 2012/19/EU.
- RO Fabricantul şi persoana autorizată pentru realizarea dosarului tehnic declară pe propria răspundere că maşina la care se referă prezenta declarație se conformează cerințelor esențiale prevăzute de următoarele directive: Directiva 2006/42/EC Maşini Directiva 2014/30/EU Compatibilitatea electromagnetică Directiva 2011/65/EU astfel cum a fost modificat de 2015/863/EU Directiva WEEE 2012/19/EU.
- 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 smernica ostrojných zariadeniach 2006/42/EC Smernica o elektromagnetickej kompatibilite 2014/30/EU Smernica 2011/65/EU zmenená a doplnená 2015/863/EU Smernica WEEE 2012/19/EU.
- SL Proizvajalec in oseba, pooblaščena za sestavo tehničnega dokumenta, s polno odgovornostjo izdaja potrdilo, da je stroj, predmet te izjave, izdelan v skladu z osnovnimi zahtevami, kot jih določajo predpisi: Direktiva o strojih 2006/42/EC Direktiva o elektromagnetni združljivosti 2014/30/EU Direktiva 2011/65/EU kakor je bila spremenjena z 2015/863/EU Direktiva WEEE 2012/19/EU.
- 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.
- TR Üretici ve teknik dosyayı oluşturmakla görevli kişi bu beyanın ilgili olduğu makinenin, aşağıdaki direktifler tarafından öngörülen temel gerekliliklere uygun olduğunu kendi sorumluluğu altında beyan eder: 2006/42/EC Makine Direktifl 2014/30/EU Elektromanyetik Uyumluluk Direktifi 2015/863/EU tarafından değiştirilen 2011/65/EU sayılı Direktif WEEE 2012/19/EU Direktifi.





## **UK Declaration of Conformity**

Description	AUTOMATIC MIXER
Model	[MACHINE NAME]
Serial Number	
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

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

Nasser Arivoli (Managing Director) COROB India Pvt. Ltd. Mumbai, 15/06/2023

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