

EUROPRO

USER MANUAL **OPTIMIX 40**

Ref. 3B03302000 / 3B03303000



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SAS au capital de 400 000€ - SIREN 394 961 510 – NAF 2892 Z

Edition of 14/03/2017

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1. INTRODUCTION

You just acquired an **OPTIMIX 40 spraying machine** and all the team of Europe Projection thanks you for the confidence you have granted us.

Manufacturer of professional equipments for paint and fillers, we have put our know-how for 20 years at the service of the users of our machines.

Our technical and commercial team is at your disposal for any further information you may need about the machine you just acquired.

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2. USER MANUAL

2.1. IMPORTANCE OF THE MANUAL

This manual is a key part for the use of your machine. It summarizes the procedures of starting-up, cleaning and maintenance of the device and also the safety instructions you need to observe.

Read carefully all the working and safety instructions and the warnings included in this manual before starting your machine.

Most of the accidents are caused by the non-compliance of the safety standards and rules.

This manual must be kept near the machine, within reach of the user and held in good condition until the final destruction of the machine.

In case of loss or deterioration of the manual, you can ask the machine manufacturer mentioned on page 4 for a copy at any moment.

2.2. RECEIVERS OF THE MANUAL

This manual is intended to any staff which will manipulate the machine :

- people in charge of the transport of the machine
- people in charge of the use of the machine
- people in charge of the cleaning and maintenance of the machine
- people in charge of the final destruction of the machine

3. WARNING

3.1. SAFETY

Using the machine in an incorrect way or in non-compliance of the safety instructions indicated in this manual can cause death or serious injuries.

Read carefully all the working and safety instructions and the warnings contained in this manual before starting your machine.



- Respect all the safety standards before running the equipment.
- Use the equipment only for the applications specified in the manual.
- Always remain alert when using the equipment.
- Transport the machine using the handles or the appropriate grips.
- During the breaks, disconnect electrically the machine.



- Run the equipment to its nominal voltage.
- Let at least 50 cm of free space between the equipment and any obstacle so that the air flow is not blocked.
- Know how to quickly stop the equipment in case of necessity.
- Never use the equipment while it is running abnormally or it is defective.
- Do not direct a water jet or flammable liquid on the machine.
- Never direct an air jet or product jet on a person or an animal.
- Do not touch warm surfaces of the equipment.
- Always wear adequate body protections (glasses, gloves, overall and mask) and pay attention to long hair.
- Never touch moving parts.
- Do not insert any object or the hands inside the protection grids to avoid any accident or damage to the machine.
- For any outside job, only use appropriate extension cords.



- Maintain the equipment carefully and clean it properly after every use.
- Disconnect the equipment before any intervention.
- Avoid absolutely to unscrew any connection while the machine is under pressure.
- Check the damaged parts.
- Do not clean the plastic parts with solvent.
- In case of damage of the electric cable or the plug, do not run the machine and contact a licensed After-Sale Service to put genuine parts instead of the defective ones.
- In case of needed After-Sale Service, always specify the machine model and its serial number.
- For any replacement of parts, only use genuine parts.

3. WARNING (continued)

3.1. SAFETY (continued)



- Do not modify the machine.
- Do not cut or dismantle the protection grids.
- Do not open the electric box.

WORKSPACE

- Maintain the workspace clean and clear.
- Ambient operating temperature must be from 5°C and 35°C.
- Do not use the equipment in a potentially explosive area.
- Do not place any potentially inflammable objects in close proximity to the machine.
- Take away every not qualified person from the working area of the machine, as well as children and animals.
- In case of installation of the machine on scaffolding or a plan above ground level, attach the machine to avoid any fall while operating.
- Do not install the equipment on an inclined surface to avoid the risks of unexpected moves or falls.

HOSES

- Always use hoses and connections adapted to the used product (genuine parts), do not try to fix it.
- Do not walk on the hoses, do not bend them.
- Do not use the hoses to pull the machine.

STORAGE

- Keep the equipment in a clean and clear area in which the temperature does not exceed +35°C.
- After every use, necessarily grease the pump with a mixture of water + storage liquid to avoid it blocking up. The storage of a not greased pump can damage it seriously.

IN CASE OF NECESSITY, WE SAVE OURSELVES THE RIGHT TO MAKE ANY USEFUL MODIFICATION WITHOUT ADVANCED NOTICE.

3. WARNING (continued)

3.2. ELECTRIC CONNECTION



The electric connection of the machine must be on a 16A - 230V plug with a differential circuit breaker.

Before any intervention on the machine, make sure that every energy supply is cut (air and electricity).

GROUND CONNECTOR

All the machines must be connected to the ground when they work to protect the operator from electric shocks. Our machines are all equipped with standardized connection plugs.

Electric connection must be made by a qualified technician. It is forbidden to modify or dismantle the machine, especially the electric box.

Repairs must be made by an authorized center or our After-sale Service.

During any intervention on the machine, make sure that the ground is well reconnected.

EXTENSION CORDS

During the use of an extension cord, make sure that it is not crushed or damaged and that it contains a ground. Check that the section of the used extension cord is sufficient to support the machine when it is working. A too thin extension cord can cause voltage drops or overheating of the machine.

In case of use of a cable reel, it is imperative to unwind it entirely, otherwise, the equipment can be damaged. The section must be proportional to the length of the cord.

3.3. END OF LIFE OF THE PRODUCT



At its end-of-life, the machine must not be eliminated with the other household waste. The uncontrolled elimination of waste can harm the environment or human health. Individuals are invited to contact the distributor which sold them the product or to inquire with their city hall to know where and how to get rid of the product so it can be recycled while respecting the environment.

Under the regulation of Waste of Electrical and Electronic Equipments (WEEE), we undertake to process the used EEEs according to the following provisions: applicable only to products on the market since 08/13/05, under the brands EUROPE PROJECTION or VOLUMAIR, products of other brands sold by our company (upon presentation of the corresponding invoices), products that operate using electrical energy (for example, thermal washers or compressors do not fall into this category).

Treatment modality

WEEE returns collected by our clients/distributors at their own expense to our collection points in Antony (92) or Rousset sur Arc (13). Upon receipt, the products are sorted by our employees and directed to the most appropriate processing channels.

For any further information, please contact our hotline to **+39 0444 583599** or **cappellaron@mixersrl.com**.

4. YOUR MACHINE

4.1. DESCRIPTION

Machine for spraying slurry, fibrous, decorative fillers, etc. **OPTIMIX 40** is a versatile sprayer.

Exterior:

- glues and E.W.I. fillers
- light hydraulic fillers (occasional)

Interior:

- levelling fillers,
- droplet plasters



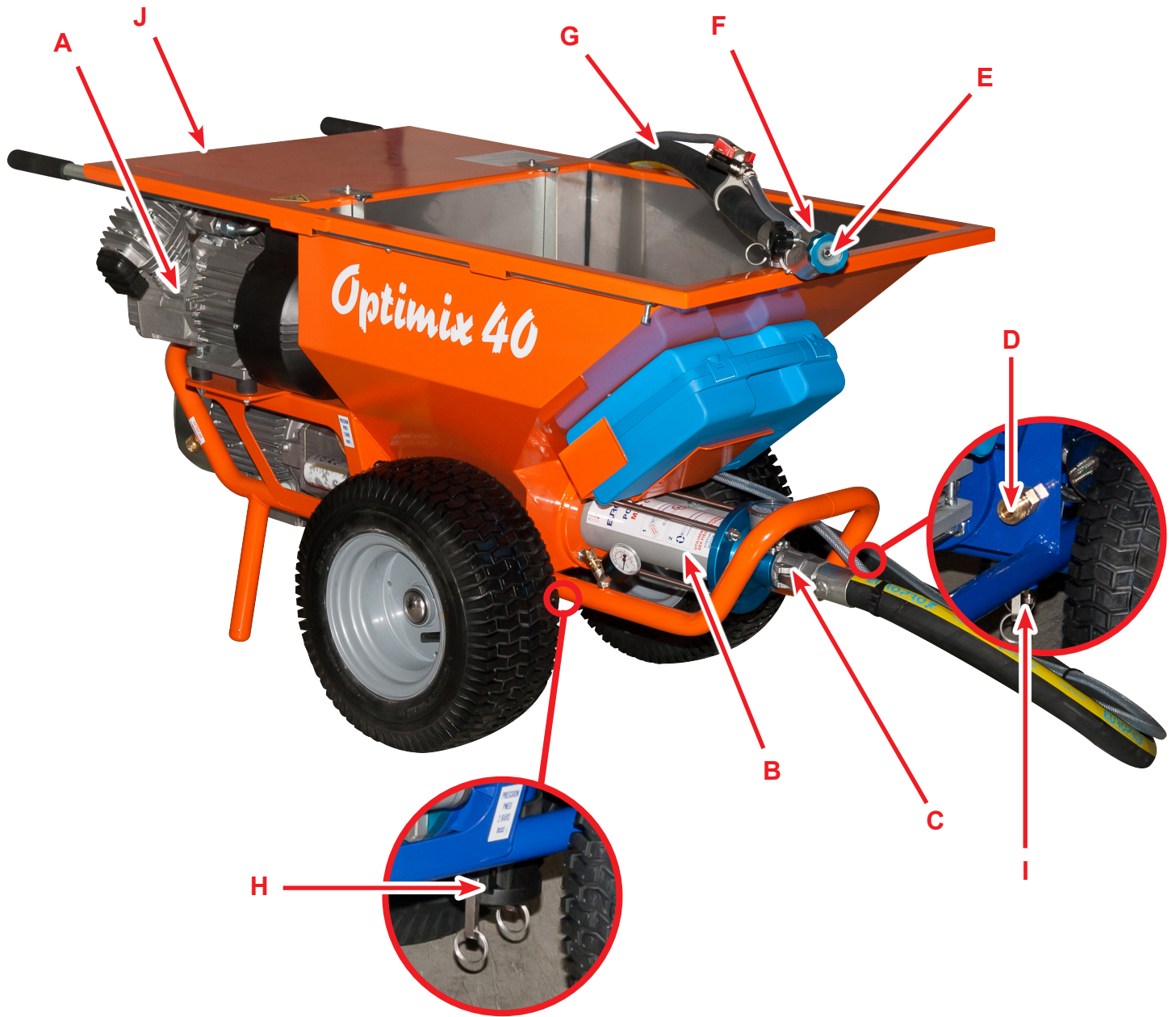
Do not use corrosive products, acid products, powder products or products with a too large grain size.

4.2. TECHNICAL CHARACTERISTICS

Product pressure	Mortar version: 0 to 20 bar E.W.I. version: 0 to 50 bar
Product flow-rate	0 to 30 kg/min
Machine motor power	2,2 kW
Machine electrical supply	230 V / 16 A / 50 Hz
Tank capacity	100 L
Maximum grain size	3 mm
Integrated compressor	yes
Flow-rate of air absorbed	366 L/min
Compressor motor power	2,2 kW
Maximum pressure	10 bar
Integrated vibrator	yes
Dimensions (L x w x h)	130 x 70 x 75 cm
Weight	143 kg
Noise level	96 Lwa
Delivered with	- a Ø32mm x 10m air/product hose - a pressure controller with adapter - a carry-case containing a complete spray- lance (mortar or E.W.I. version)

4. YOUR MACHINE (continued)

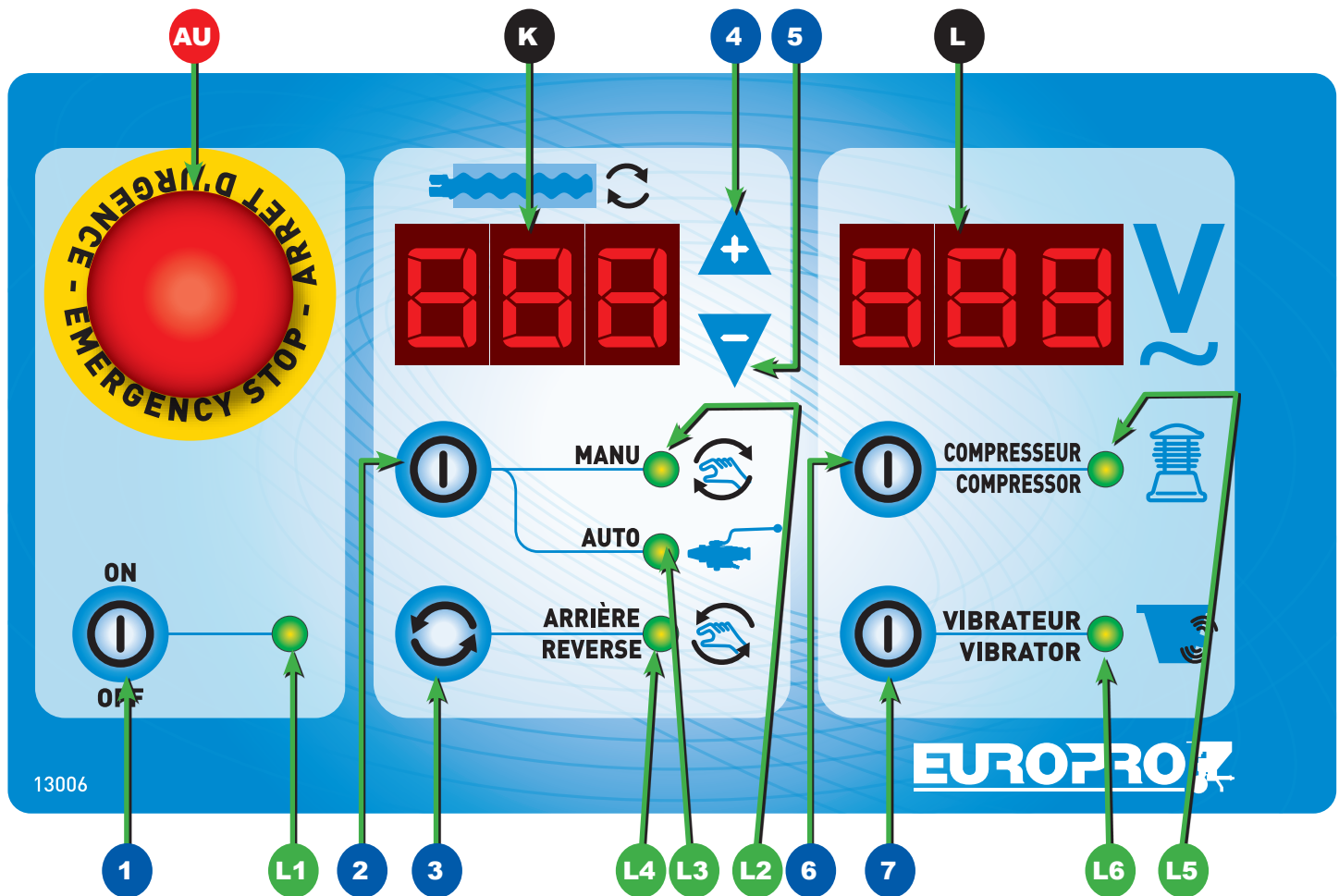
4.3. IDENTIFICATION OF THE COMPONENTS OF THE MACHINE



A	Compressor	F	Lance
B	Rotor / stator pump	G	Air/product hose
C	Product outlet	H	Drain plug
D	Air outlet	I	Compressor purge screw
E	Nozzle	J	Control panel (see next page)

4. YOUR MACHINE (continued)

4.3. IDENTIFICATION OF THE COMPONENTS OF THE MACHINE (continued)



- 1** Start / Stop
- 2** MANU/AUTO: choice of running process
- 3** REVERSE: runs the pump backwards
- 4** + : increase the speed of the motor
- 5** - : decrease the speed of the motor
- 6** COMPRESSOR : Start / Stop of the compressor
- 7** VIBRATOR : Start / Stop of the vibrator
- L1** Power on light
- L2** Manual process is selected
- L3** Automatic process is selected
- L4** Backwards running light
- L5** Compressor power on light
- L6** Vibrator power on light
- AU** Emergency stop
- K** Motor speed display
- L** Network voltage display

5. USE OF THE MACHINE

5.1. PREREQUISITES

- The electric connection has to be 230 V - 16 A - 50 or 60 Hz with a 3 x 2,5 mm cable reel of 40m maximum, completely unreeled.
- One push on the "MANU/AUTO" button (2) makes the pump start working and the (L2) light lights up.
- One push on the button REVERSE (3) makes the product pump turn in reverse mode and the light (L4) lights up.
- In AUTO mode, the pump starts only at the opening of the lance (when the compressor is running).
- In MANU mode, the pump works continuously.
- After a prolonged standstill, it is possible that the pump might be blocked. If this is the case, proceed by start and stop. Put water and stocking liquid into the tank. Alternately turn the pump forwards and backwards for 5 second sequences. As soon as the engine starts to turn normally, the pump is unblocked. Empty the water.
- To avoid the condensation (and the rust) in the compressor tank, make sure to unscrew and let open the purge screw (I) when the machine does not work. Screw it only during the working or transport phases.



In case of a dysfunction of the machine, one 3 second push on the "ON/OFF" (1) will allow you to verify that the power supply is over 210V.

5.2. STARTING UP

1. Once the machine is plugged in, the (K) display shows "OFF", press the "ON/OFF" (1) to switch on the machine.
2. Connect the product hose on the outlet (C).
3. Mount the lance at the end of the hose, without the nozzle.
4. Set the product flow-rate to 50 with help of the (4) and (5) buttons.
5. Prepare a mixture of your product very diluted with water and pour it into the tank.
6. Press the "MANU/AUTO" button (2) to start-up the machine.
7. Wait until the mixture flows regularly to the lance and pour it in a bucket.
8. Before the tank is totally emptied of the mixture, pour into the tank the product to be sprayed.
9. Put back the AUTO mode, using the (2) button.
10. Close the lance and place the nozzle.
11. Connect the air hose on the quick -connector (D), then press the (6) button to start-up the compressor.
12. The machine starts up at the opening of the lance.
13. Spray in the bucket the mixture that remains in the tank. When the product get to the lance, the machine is ready for work.
14. One press on the (7) button starts-up the vibrator and helps the product to fall fall down into the tank more easily.

6. ERROR CODES

The different error codes show up on the display (K).

CODES	DEFINITION	TO DO
	No display.	Connect the plug, verify the power supply (230V), verify the fuse on the electric box.
AU	Emergency stop pressed.	Unhook the emergency stop button (AU).
OFF	Machine is in OFF mode.	Switch on the machine by pressing on the button (1).
MOT	Default control engine.	Turn the machine to "OFF" for one minute, then start it up again.
SEC	Default safety sensor.	Verify that the security grid is closed.

7. FAILURES AND REMEDIES

Failure	Remedy
<ul style="list-style-type: none"> The machine runs but the product does not get out of the lance. 	<ul style="list-style-type: none"> Verify that the product is not too dry and that it flows well at to the bottom of the tank, dilute and mix it if needed. Control the pump with a pressure controller. Change the stator and/or the rotor.
<ul style="list-style-type: none"> The grain is modified without touching the setting. 	<ul style="list-style-type: none"> Unclog the air holes of the nozzle.
<ul style="list-style-type: none"> In AUTO mode, air inlet plugged in, lance opened, the machine does not start up. 	<ul style="list-style-type: none"> Verify that the inlet and outlet connectors are correctly plugged. Clean it in case of need. Dismantle the plug of the flowmeter, fixed on the chassis, near the compressor. Take out the spring and the piston and clean it carefully. Make the reverse operation to reassembly.
<ul style="list-style-type: none"> The machine does not stop at the closing of the lance. 	

If the problem persists or if in doubt about the correct working of the machine, do not try to repair the machine yourself or to dismantle it.

Contact an authorized After-Sale Service or our hotline on : **+39 0444 583599**.

8. MAINTENANCE

8.1. CLEANING PROCEDURE

1. Put the machine in AUTO mode using the (2) button, the (L3) light lights up.
2. Unscrew the (I) purge to evacuate the air remaining in the tank.
3. Take off the nozzle and the lance and put them in a water bucket.
4. Disconnect the product from the outlet (C).
5. Remove the drain plug (H) under the machine.
6. Clean the inside of the tank with a water jet or a high pressure washer.
7. Clean the pump nose (C).
8. Put back the drain plug (H) and fill the tank with clear water.
9. Put a cleaning ball into the pump nose (C), then reconnect the hose.
10. Put the MANU mode back using the (2) button, the (L2) light lights up.
11. Wait until the ball get out of the hose.
12. Put the machine back to AUTO mode.
13. Repeat operations 9 to 12 a second time to eliminate the last residues of product in the hose.
14. Remove the drain plug (H) to empty the water remaining in the tank.
15. Disconnect the machine.
16. Clean the nozzle and the lance.



The direct projection of water under pressure onto the electric box has to be stopped at the risk of water infiltration. Proceed by simply cleaning with a humid sponge.

8.2 CHECK-UP

- Every 50 hours of functioning, dismantle the suction filter of the compressor and clean the filter element by blowing compressed air.
- Replace the filter element once a year (more regularly in case of intensive use of the machine).

Compressor oil change:

Contact our After-Sale Service : **+39 0444 583599**.



Used oil must not be spilled into the environment or the sewage system, but into a specialized collection site.

8. DECLARATION OF CONFORMITY

THE MANUFACTURER : EUROPE PROJECTION
Z.I Rousset Parc Club
343 bd Francis Perrin
13106 ROUSSET CEDEX

DECLARES THAT THE EQUIPMENT DESIGNATED BELOW :

Trademark : EUROPE PROJECTION

Type : Spraying machine

Model : OPTIMIX 40

COMPLIES WITH

- l'article **R.233-73** du code du travail

THE DIRECTIVES:

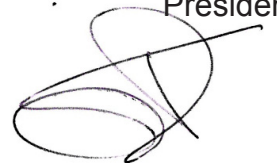
- Machines **2006/42/CE**
- Low voltage **2014/35/UE**
- **CEM 2014/30/UE**
- **ROHS 2011/65/EU**
- Noise emissions **2005/88/CE**

AND THE STANDARDS:

- **NF EN ISO 12100**
- **NF EN 60204-1**
- **NF EN ISO 13857**

ROUSSET, APRIL 20th 2016

Patrick BOREL
President



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9. WARRANTY

9.1. WARRANTY CONDITIONS

- The manufacturer guarantees the products in case of a defect in design or manufacture for a period of 12 months from the date of invoice.
- The wearing parts are excluded from the warranty.
- Any warranty intervention must be exclusively performed by the manufacturer or an authorized After-Sale Services.
- The shipping of any product to the manufacturer, for whatever the type of warranty service, is subject to its acceptance.
- The warranty covers the free of charge repair or the replacement of the defective components identified by our technicians.
- The warranty is void in case of damages caused by an accident, resulting from negligence, an incorrect use or installation, improper or not in accordance with the warnings contained in the user manual.
- The warranty is also void in case of modification or repairs performed by unauthorized staff.
- The warranty excludes any type of compensation in case of damage to persons or problems caused by incorrect or inappropriate use.
- This warranty will be applied only to buyers who have complied with the contractual and administrative standards and will be able to present a specific documentation mentioning the date of purchase.
- This is the only valid warranty recognized by the manufacturer. No one is allowed to deliver another one, oral or written, or modify its terms.



All our terms of sales and shipping are available on our **general catalogue of the ongoing year** and also on our website **www.mixersrl.com**.

9. WARRANTY (continued)

9.2. CERTIFICATE OF WARRANTY

**IT IS COMPULSARY TO RETURN THIS DOCUMENT DULY COMPLETED
BY E-MAIL : info@mixersrl.com OR BY FAX : +39 0444 583559**

IMPERATIVE

The manual must be provided to the user of the equipment.

It must be read before starting up the machine.

For any intervention under warranty, the purchase invoice must be presented.

WARRANTY

Each product is delivered inspected and tested.

Moreover, it is guaranteed for 12 months from the date of purchase.

This guarantee only applies if the buyer respects the safety regulations, contractual and administrative standards and if the use was in conformity with the instructions present in the user manual.

Based on this warranty, the manufacturer will repair or replace free of charge any part that can deteriorate itself or be defective during this period.

The "final judgment" rests solely with our After-Sale Service technicians.

The guarantee does not cover parts which, because of their specific use, are subject to wear and tear.

If the identified defects could not be attributed to our liability, costs will be charged to the buyer.

MODEL : OPTIMIX 40 spraying machine

SERIAL NUMBER :

DELIVERY NUMBER :

Rousset, dated

Signature of the dealer

Signature of the final user

Stamp of the final user

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