

Operator Manual

MINI MIXER



ORIGINAL INSTRUCTION

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Table of contents

0. FOREWORD	6
0.1. HOW TO USE THE MANUAL	6
0.1.1. IMPORTANCE OF THE MANUAL	6
0.1.2. HOW TO KEEP THE MANUAL	6
0.1.3. HOW TO CONSULT THE MANUAL	6
0.1.4. SYMBOLS USED IN THE MANUAL	7
0.1.5. PROCEDURE FOR UPDATING THE MANUAL IN CASE OF MODIFICATIONS TO MACHINE	7
0.2. INSTRUCTIONS FOR ORIGINAL SPARE PART AND CONSUMABLE ORDER	7
0.3. SAFETY INFORMATION.....	8
0.3.1. PRECAUTIONS AND USAGE REGULATIONS	8
0.3.2. GENERAL SAFETY WARNINGS.....	8
1. GENERAL INFORMATION	10
1.1. INTRODUCTION	10
1.2. INTENDED AND UNINTENDED USE.....	10
1.3. USERS AND AREAS OF INTERVENTION.....	10
1.4. DESCRIPTION OF THE MACHINE	11
1.4.1. EXTERNAL AND INTERNAL COMPONENTS OF THE MACHINE	11
1.5. MACHINE STATUS.....	12
1.5.1. PRODUCT MIXING: STIRRING DURATION	12
1.6. TECHNICAL SPECIFICATIONS	12
1.6.1. ELECTRICAL SPECIFICATIONS	12
1.6.2. EQUIPMENT CLASSIFICATION AND REFERENCE STANDARDS	12
1.6.3. OPERATING CONDITIONS.....	13
1.6.4. DIMENSIONS AND WEIGHT.....	13
1.6.5. PRODUCTION CAPABILITY AND TECHNICAL SPECIFICATIONS	13
2. UNPACKING	14
2.1. GENERAL RECOMMENDATIONS	14
2.2. DIMENSIONS OF THE PACKAGE	14
2.3. UNPACKING	14
2.4. CONTENT VERIFICATION	15
3. INSTALLATION	16
3.1. CHOOSING THE ROOM AND THE PROPER SUPPORT	16
3.2. PRODUCT LABEL AND ELECTRICAL CONNECTION	16
3.3. SWITCH-ON AND INSPECTION	16
4. HOW TO MIX/STIR A PRODUCT	17
4.1. STIRRING OF A PRODUCT	17
4.2. INTERRUPTION OF A STIRRING CYCLE	17
4.3. MIXER SWITCH-OFF.....	17
4.4. PRECAUTIONS AND SAFETY RECOMMENDATIONS	17
4.5. CONTACT WITH COLORANTS OR MASTERS.....	18
4.5.1. GENERAL FIRST AID MEASURES.....	18
5. ORDINARY MAINTENANCE AND ADJUSTMENTS	19
5.1. INTRODUCTION	19
5.2. SERVICE EQUIPMENT.....	19
5.3. ORDINARY MAINTENANCE	19
5.3.1. ROUTINE CLEANING	19
5.3.2. CHECK AND OPERATION OF THE MICROSWITCHES.....	19
5.3.3. LUBRICATION.....	20
5.3.4. REPLACING THE FUSES.....	20
6. EXTRAORDINARY MAINTENANCE	21
7. CERTIFICATIONS	22
7.1. EC DECLARATIONS.....	22
7.2. END OF LIFE TREATMENT - WEEE DIRECTIVE	23

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0. FOREWORD

0.1. HOW TO USE THE MANUAL

0.1.1. IMPORTANCE OF THE MANUAL

The manual contains instructions and advice for the commissioning and use of the MINI MIXER.

Before installing and commissioning the system, carefully read this manual in all its parts, paying more attention to the paragraphs related to precautions and safety alerts.

In case problems or difficulties should arise, the **TECHNICAL SERVICE SUPPORT of Alfa Srl** is always available to provide the right support, advice, explanation and assistance.

Alfa S.r.l. reserves the right to make modifications for improving its own products without prior notification.

The incorrect use of the system can lead to loss of warranty in all its forms and terms.

0.1.2. HOW TO KEEP THE MANUAL

Do not remove, modify, rewrite contents of this manual for any reason.

Keep the manual in a safe place, protected from heat and humidity.

0.1.3. HOW TO CONSULT THE MANUAL

This manual comprises:

- COVER PAGE IDENTIFYING THE TYPE OF PRODUCT
- TABLE OF CONTENTS
- INSTRUCTIONS AND/OR NOTES ON THE PRODUCT

The COVER PAGE identifies the product described in this manual.

Use the CONTENTS to find the list of CHAPTERS and PARAGRAPHS contained in the manual and their subjects.





The INSTRUCTIONS AND/OR NOTES ON THE PRODUCT define the safe working practices and advice on the correct procedures and the skills required to correctly operate and maintain the system.

Some images of this manual having been enclosed for easier identification of the described parts may not be exactly the same as the ones in your System.

0.1.4. SYMBOLS USED IN THE MANUAL

The safety and advice symbols used in this manual are used to draw the reader's attention to warnings concerning safety or indicating good working practices.
The same symbols are also placed on the machine to indicate dangerous areas and refer to the relevant safety notes in the manual.

MEANING OF THE SYMBOLS

	WARNING! GENERAL DANGER
	WARNING! HIGH VOLTAGE
	WARNING! RISK OF CRUSHING.
	GROUND CABLES THIS SYMBOL INDICATES GROUND REFERENCE POINT.

0.1.5. PROCEDURE FOR UPDATING THE MANUAL IN CASE OF MODIFICATIONS TO MACHINE

If the MACHINE or MANUAL is MODIFIED in any way, an UPDATE could be sent for insertion into the printed Manual.

0.2. INSTRUCTIONS FOR ORIGINAL SPARE PART AND CONSUMABLE ORDER




To provide a fast and efficient service, always specify the following information when ordering replacement and consumable parts:

- **Machine type:** as indicated on nameplate.
- **Serial number:** as indicated on nameplate.
- **Quantity** of each item required.
- **Code** of required part.
- **Description** of required part.








0.3. SAFETY INFORMATION

0.3.1. PRECAUTIONS AND USAGE REGULATIONS

The machine must be positioned in an enclosed area that complies with the environmental requirements set out in the relevant paragraph.

	<p>Do not install the machine in a dusty environment. Do not expose the machine to sources of heat, excessive cold, water, electromagnetic energy, or sources of smoke. The machine must be positioned on perfectly level flooring.</p>
	<p>Always make sure that the power cable is intact and free of any cuts or cracks. In case of cable damage, renew the cable using genuine spare parts.</p>
	<p>The noise level generated by the machine is less than 70 DB (measured at a distance of 1 m and at a height of 1.60 m from the floor). This value can be exceeded in certain work environments. If the noise to which the operator is exposed on a daily basis is presumably greater than 85 DB, effective hearing protections must be used, as required by the 86/188/EEC regulations.</p>

0.3.2. GENERAL SAFETY WARNINGS

	<p>MINI MIXER is compliant with all the safety requirements of the main European and extra-European Standards and Institutions. Despite that, it is suggested to read carefully the information contained in this chapter and in the next pages since they show the possible dangerous situations and the necessary precautions to take.</p>
	<p>The machine is provided with doors and guards that prevent the operator from getting in contact with mechanical and electrical hazardous parts. A periodical check on the safety devices must be performed according to the instructions provided by this manual. If the safety protection systems are damaged, turn off the machine and call the technical service.</p>
	<p>High voltage parts - Risk of electric shock No high voltage part is accessible from the User area. All the high voltage circuits are contained into enclosed areas and protected by fixed guards. The high-voltage internal parts are accessible to the maintenance operator and are protected against direct contact with dangerous parts by means of IP 2X or higher class protection. Dangerous parts are marked by the symbol indicated on the side.</p>
	<p>Dangerous mechanical parts - Risk of crushing or trapping. Internal moving parts are accessible only to technical personnel. Do not put your hands into the machine working areas. Tie hair to avoid the risk that it can be trapped in the machine. For the same reason, keep away of the machine or avoid wearing any hanging objects such as ties, necklaces, pendants or other similar items.</p>
	<p>High-temperature parts - Risk of scalds The machine includes no components or areas that may reach so high temperature as to become dangerous for the user, the maintenance operator or the technician. The areas where this risk can occur, under faulty conditions, are marked by the symbol indicated on the side.</p>
	<p>Flammable parts - Risk of fire The machine is made from materials which do not propagate fire in order to minimise fire risk. Nevertheless, the machine must be installed in a duly ventilated room, complying with the manufacturer's installation requirements. Never leave materials, fluid or foreign objects that might increase the risk and spread of a fire inside the machine.</p>
	<p>It is forbidden to modify the machine's internal an external protections. Contact Alfa's Technical Support Service if necessary. Alfa Srl shall bear no responsibility for any damage that may arise due to the failure to comply with the above instructions. In the event of a malfunction, contact the manufacturer's technical support service.</p>



GROUND CONNECTION

Ground wire connection point.

Always ensure that yellow-green ground leads are duly fastened to the ground point indicated by the symbol on the side.

DO NOT REMOVE GROUND CONNECTIONS.

In case of lead damage, switch machine off and immediately contact the technical service support.

IF THE EQUIPMENT HAS BEEN USED IN A MANNER NOT SPECIFIED BY THE MANUFACTURER, THE PROTECTION PROVIDED BY THE EQUIPMENT MAY BE IMPAIRED

1. GENERAL INFORMATION



1.1. INTRODUCTION

Minimixer is designed to mix 100cc paint samples produced by Alfa Color Tester or Color Lab and to be used only with cans approved by the manufacturer (e.g. Superfos 160ml D69mm).

1.2. INTENDED AND UNINTENDED USE

The machine is designed to mix water-based liquid paint in predefined Alfa-approved vessels. Any uses other than those expressly described in this manual are strictly prohibited.

DO NOT USE VESSELS FOR PAINTS OR COLORANTS NOT APPROVED BY THE MANUFACTURER

MAKE SURE THAT THE ELECTRICAL SPECIFICATIONS AND USAGE CONDITIONS FORESEEN BY THE MANUFACTURER ARE MET PRIOR TO INSTALLATION.

The equipment is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions. Children must be supervised to ensure they will not play with the equipment.

1.3. USERS AND AREAS OF INTERVENTION

The machine has three different user levels:

- **USER:** an operator who uses the machine to mix colour samples;
- **MAINTENANCE OPERATOR:** user in charge of performing ordinary maintenance operations, such as machine cleaning and check of safety sensors;
- **TECHNICIAN:** expert and authorised user who operates for troubleshooting and extraordinary maintenance operations.

In order to identify the various areas of intervention, the following definitions must be taken into account:

- **USER AREA:** machine area that the user accesses in order to produce a colour sample. It includes controls for switching equipment on and off, and the internal parts to position and remove the sample;
- **MAINTENANCE OPERATOR AREA:** internal area of the machine that can be accessed by opening mobile doors that may require the use of a key. It corresponds to the areas where ordinary maintenance operations can be performed (stirring compartment cleaning);
- **SERVICE AREA (FOR USE BY TECHNICIANS):** the internal areas of the machine that can not be accessed using a single key, but whose access also requires the use of other tools (e.g. parts inside fixed protections, such as driving belt, motor and relevant organs, electrical parts);

1.4. DESCRIPTION OF THE MACHINE

This paragraph shows the main external and internal components of the Color Tester and describes their function.

1.4.1. EXTERNAL AND INTERNAL COMPONENTS OF THE MACHINE

External Components:

- Opening door (1): allows access to the support of colour samples to be mixed. It is composed of a Plexiglas part that allows the operator to see the samples positioned inside during stirring.
- START/STOP button (2): positioned on the front of the machine, it allows to start and stop the stirring cycle. A button built-in LED indicates the machine state in real time.
- Rear electrical control panel: contains the connection plug to the mains (3), the relevant fuse (4) and the machine on/off switch (5).
- The optional support cabinet (6).

Internal Components:

- Safety sensor (7): checks the proper closing of the opening door and prevents the possibility to activate a stirring cycle with open door.
- Support of colour samples (8): it is composed of 3 round supports in which cans to be mixed can be inserted.
- Magnet for door closing (9).



1.5. MACHINE STATUS

Machine status is indicated by the START/STOP button built-in LED:

GREEN LIGHT STEADY ON: Machine on, in stand-by mode, ready to be used.

FLASHING LIGHT IN STAND-BY: machine alarm requiring technical service support intervention.

FLASHING GREEN LIGHT DURING USE: stirring in progress (wait for work cycle end).

1.5.1. PRODUCT MIXING: STIRRING DURATION

The stirring cycle duration is factory-preset and can last for:

- 30 seconds;
- 45 seconds;
- 60 seconds;
- 90 seconds.

This interval can not be changed by the user but only by expert technical personnel.

1.6. TECHNICAL SPECIFICATIONS

1.6.1. ELECTRICAL SPECIFICATIONS

Power supply	100-240Vac 50/60Hz
Absorbed power	120W max
Fuses 5X20 mm	T 1.6A – 250Vac
Working Noise	Lower than 70 dB (A)

1.6.2. EQUIPMENT CLASSIFICATION AND REFERENCE STANDARDS

Overvoltage category	II See note (1)
Protection classification	IP 20
Class of equipment	I See note (2)
Reference standards	UNI EN ISO 12100 IEC EN 60335-1 IEC EN 60204-1 IEC EN 55022 IEC EN 55024 IEC EN 61000-3-2 IEC EN 61000-3-3 UL 1450
Airborne noise	Lower than 70 dB (A)
Note (1):	The equipment is protected for overvoltage up to 1500V. For power lines subjected to transients with peaks of voltage greater than 1500V, the use of external suitable protection devices is recommended.
Note (2)	CLASS I EQUIPMENT: Equipment where protection against electric shock is achieved by: - using BASIC INSULATION, and also - providing a means of connection to the PROTECTIVE EARTHING CONDUCTOR in the building wiring for those conductive parts that would otherwise reach HAZARDOUS VOLTAGES if the BASIC INSULATION fails.

1.6.3. OPERATING CONDITIONS

Operating temperature	+5 ÷ +35°C
Relative humidity	30% ÷ 90% without condensate
Storage temperature	-25 ÷ +55°C
Altitude	2000 m

1.6.4. DIMENSIONS AND WEIGHT

Height	450 mm (±15mm)
Width	480 mm
Depth	480 mm
Weight (empty)	Kg 60

1.6.5. PRODUCTION CAPABILITY AND TECHNICAL SPECIFICATIONS

Production capability	Up to 3 100cc cans with stirring times of 30, 45, 60 or 90 seconds
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2. UNPACKING




2.1. GENERAL RECOMMENDATIONS

The machine is delivered on a wooden pallet covered with corner protectors and triple wall cardboard in order to avoid any risk of damage during transport.

All the accessories supplied are contained in the same wooden case.

2.2. DIMENSIONS OF THE PACKAGE


Height on pallet	650mm
Pallet width	550mm
Pallet depth	550mm
Weight	Kg 65

	WARNING: DO NOT PERFORM ANY OPERATION BEFORE CAREFULLY READING THE WHOLE OPERATOR'S MANUAL.
	WARNING: HANDLING MUST BE CARRIED OUT USING SUITABLE LIFTING EQUIPMENT OR WITH THE ASSISTANCE OF AT LEAST TWO PERSONS.
	NOTE: NEVER DISPOSE OF THE MACHINE PACKAGING IN THE ENVIRONMENT AFTER UNPACKING. TAKE IT TO THE SPECIFIC COLLECTION POINT.

2.3. UNPACKING

To remove the mixer and the relevant support (if present) from the package proceed as follows:

- Remove strapping;
- Open the cardboard box and remove the polyurethane shims;
- If at least 2 persons are available, lift the mixer by opening the upper cover and grasping the body metal parts;
- If this is not the case, break the cardboard box.

	The mixer weighs 60Kg and it must be handled with the assistance of several persons or using suitable lifting equipment.
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2.4. CONTENT VERIFICATION

After unpacking, make sure all parts are in place and that the machine does not show any internal or external damage or evident fault.

Make sure all these accessories are provided:

- Power cable (1);
- User's manual (2);
- Spare fuse kit (3).



3. INSTALLATION

3.1. CHOOSING THE ROOM AND THE PROPER SUPPORT

The machine must be installed in a manned room, complying with the requirements.

Place Minimixer on the floor or on a stable support suitable to sustain the weight of the machine and the mechanical stresses during its use.

DO NOT INSTALL THE MACHINE OUTDOORS OR ANYWHERE EXPOSED TO WEATHER.

THE EQUIPMENT IS NOT SUITABLE FOR INSTALLATION IN AREAS WHERE WATER SPRAY COULD BE USED.

INSTALL THE MACHINE AT 5-10CM FROM THE WALLS AND ENSURE THAT THE ROOM ALLOWS YOU TO EASILY OPEN THE UPPER DOOR.

3.2. PRODUCT LABEL AND ELECTRICAL CONNECTION

Make sure that the system meets the electrical requirements specified on the machine nameplate, then connect the power cable to the socket.

- Model: machine model
- Type: machine type
- Vnom: power supply voltage
- Hz: mains frequency
- Imax: absorbed current
- SN: serial number
- Made in Italy: year of manufacture
- Fuse Rate: fuse value

The machine is equipped with a detachable power cable for connection to the mains.

Connect the machine to the mains using exclusively the cable supplied.

Always make sure that the voltage output from the mains is compatible with the nameplate specifications.

  	
<small>COLORPAINT DISPENSER Headquarters: Via Caduti di Ustica 28 I-40012 Calderara di Reno (BO) Italy 051 0828494 - www.alfacolorpaints.it</small>	
Model	MINIMIXER
Type	MIXER
V nom~	100-240V Hz. 50/60
Imax ~	1.2-0.5A
SN	20150300111
Made in Italy	2015
 WARNING 	
<small>TO AVOID ELECTRIC SHOCK THE POWER CORD PROTECTIVE GROUNDING CONNECTOR MUST BE CONNECTED TO GROUND DO NOT REMOVE COVERS. REFER SERVICING TO QUALIFIED PERSONNEL</small>	
FUSE RATED T1.6 A – 250V	
<small>For continued protection against risk of fire replace only with the same type and rating fuse</small>	



USE ONLY LISTED DETACHABLE POWER SUPPLY CABLES NOT EXCEEDING 4.6 M. LENGTH, TYPE SVT OR SJT, 3X18 AWG 10 A, WITH GROUND CABLE.

To ensure the correct machine operation and the highest safety level, it is essential that the machine is connected to ground. Make sure that the system is connected to a power supply with an efficient ground.



WARNING: ONLY CONNECT THE MACHINE TO ELECTRIC SYSTEMS PROVIDED WITH GROUND CIRCUIT CONNECTION COMPLIANT WITH THE NATIONAL STANDARDS.

3.3. SWITCH-ON AND INSPECTION

Connect the power cable provided with the machine to the socket on back panel, then connect it to a proper electrical outlet

Set the power switch placed in the electrical control panel to ON

After switch-on, the operator that installs the machine may perform a test cycle as explained in para. 4, checking the proper operation of safety devices and controls.

4. HOW TO MIX/STIR A PRODUCT

4.1. STIRRING OF A PRODUCT

To mix/stir products it is necessary to carry out the following procedure:

- Switch on MiniMixer using the switch on the rear electrical control panel (the green light of START/STOP button will be on);
- Open the upper door;
- Position up to 3 cans in the suitable housings.



**MAKE SURE THAT VESSELS ARE FULLY CLOSED AND THAT THEY HAVE NOT BEEN DAMAGED OR DERANGED.
DO NOT INSERT ANY OBJECT IN CAN HOLDER COMPARTMENTS EXCEPT APPROVED CANS!**

- Close the upper door;
- Press the START button;
- Wait for the complete stop of the mixer before opening the door and removing the mixed samples (during stirring the green LED flashes, while at the end the machine sets to stand-by mode and the LED is steady on);
- Close the upper door.

Warning: DO NOT stir vessels that have already been opened. Their sealing may be compromised and colorants may spill out.

REMARK: It is possible that paint spills occur during sample stirring, because of a manufacturing defect, even minor, of can or cover.

NOTE: If necessary, press START/STOP button to interrupt the work cycle and stop stirring before timer end.

DO NOT OPEN THE DOOR WITH STIRRING DEVICE IN MOTION UNDER ANY CIRCUMSTANCES.

ALFA SRL IS NOT LIABLE FOR ANY LOSS OR DAMAGE TO PERSONS OR PROPERTY CAUSED BY ACCIDENTAL SPILLAGE OF COLORANTS, MANUFACTURING DEFECTS OF VESSELS OR BY A WRONG OR IMPROPER USE OF THE MIXER.

4.2. INTERRUPTION OF A STIRRING CYCLE

It is possible to interrupt stirring in any moment by pressing again the START/STOP button.

In this case, the stirring device is stopped even if the preset stirring time is not over.

For safety reasons, the movement of the stirring device is suddenly interrupted also when the door is opened during a cycle.

4.3. MIXER SWITCH-OFF

In order to switch off the machine, turn the main switch to its “O” position and disconnect the power cable from the socket.

NOTE: in order to disconnect the machine, the operator must not rely exclusively upon the power switch, but must also unplug the machine power cable.

4.4. PRECAUTIONS AND SAFETY RECOMMENDATIONS

The machine does not present any risk for the operator.

During use and stirring, the upper door must remain closed and must not be opened until the stirring device rotation is fully over. In case of door opening during stirring, an emergency brake circuit completely stops the moving parts in approx. 1 second. It is strictly forbidden to insert your hands or any object in the stirring compartment before the complete stop of the movement.

4.5. CONTACT WITH COLORANTS OR MASTERS

Always beware of any product leaks from the machine or circuits during production, as well as during cleaning and maintenance operations.

Contact with the products (colorants or bases) can cause irritations or injuries if not properly treated.

In case of need always refer to the safety sheet of the concerned liquid, available at the colorant manufacturer.

4.5.1. GENERAL FIRST AID MEASURES

In the event of eye contact: remove contact lenses, if present. Immediately rinse the eyes with running water for at least 15 minutes, holding the eyelids open. Consult a physician immediately.

In the case of skin contact: remove the contaminated garments. Wash the skin thoroughly with soap and water.

Ingestion: immediately consult a physician and show them the can, label or material safety data sheet. Keep the person warm and relaxed. Do not induce vomiting.

5. ORDINARY MAINTENANCE AND ADJUSTMENTS

This chapter describes the service operations required at regular intervals to ensure machine trouble-free operation.

OPERATIONS DESCRIBED IN THIS CHAPTER REQUIRE ACCESS TO DANGEROUS SERVICE AREAS. ACCESS TO SERVICE AREA IS RESERVED TO TRAINED AND AUTHORISED STAFF.

BEFORE STARTING MAINTENANCE OPERATIONS REMOVE THE POWER PLUG FROM THE SOCKET.

IT IS RECOMMENDED TO POSITION THE CABLE SO THAT THE PLUG IS ALWAYS VISIBLE TO THE OPERATOR DURING THE COURSE OF THE MAINTENANCE INTERVENTION.

IT IS STRICTLY FORBIDDEN TO REMOVE COVERS AND TAMPER WITH SYSTEM PROTECTIONS.

CLEANING AND MAINTENANCE CAN NOT BE CARRIED OUT BY CHILDREN WITHOUT SUPERVISION OF AN ADULT.

5.1. INTRODUCTION

The following paragraphs describe the ordinary maintenance operations that can be performed by the operator. In particular such operations concern cleaning and check of safety devices for the user.

5.2. SERVICE EQUIPMENT

Below is a list of the required equipment for the service operations:

- Blotting paper, clean cloth/sponge;
- Plastic spatula.

5.3. ORDINARY MAINTENANCE

The following table indicates the scheduled maintenance recommended by Alfa.

SERVICE OPERATION	INTERVAL
Routine cleaning	Weekly
Check of microswitches operation	Daily (if used)
Lubrication	None
Replacement of fuses	If needed

5.3.1. ROUTINE CLEANING

Check periodically that colorants have not spilled on rotation organs or safety microswitches. If necessary, clean the parts using a spatula or a brush. Namely:

- Remove colorant residues while still fresh using a dry cloth or blotting paper;
- Remove dried paint residues using a dry cloth or a vacuum cleaner.

Clean the following mechanical parts and electric components:

- Machine internal walls, where colour spillage is present because of sample stirring in damaged or partly open cans;
- Mechanical drive organs, such as electric motor, driving belt, gears, pulleys and supports;
- Wiring and safety microswitches (the latter, if dirty, may not work and therefore not check the proper closing of the upper door during work cycle).

5.3.2. CHECK AND OPERATION OF THE MICROSWITCHES

Check the proper operation of the safety device that controls the upper door opening. In the event of a malfunction, contact technical service support.

Always check that there are no spilling of paint or other liquids over the switch, in particular on the input holes of the safety key.

5.3.3. LUBRICATION

In terms of ordinary maintenance, the Minimixer requires no scheduled lubrication by the MAINTENANCE OPERATOR.

5.3.4. REPLACING THE FUSES

In case of mains malfunction or problems, the safety fuses could blow and cut power.

Fuses are located in the fuse holder built in the plug with switch on the back panel (see chapter 1 - ELECTRICAL CONTROL PANEL)

To change it, remove power plug and open fuse holder using a flat screwdriver to prise it open.

Lift the fuse holder until it can be manually removed.



USE ONLY FUSES OF THE SAME TYPE AND THE NOMINAL RATING SHOWN IN THE PRODUCT LABEL (SEE PARA. 3.2).

Fuse requirements:

EU - IEC 60127 Approval

US - UL248-1 and UL248-14 Approval



WARNING

THE FUSE MUST BE REPLACED WHEN THE MACHINE IS SWITCHED OFF AND THE POWER CABLE IS UNPLUGGED FROM THE MAINS.

6. EXTRAORDINARY MAINTENANCE

The extraordinary maintenance operations require access to the service areas and area reserved for specialised technicians.

- Repair or replacement of damaged elements;
- Check or replacement of drive belt.

ALWAYS ENTRUST THE SPECIAL MAINTENANCE INTERVENTIONS TO AN AUTHORISED SUPPORT CENTRE.

The specialised technician is authorised to remove covers and carry out extraordinary maintenance and troubleshooting operations.

THE MACHINE POWER CABLE MUST BE UNPLUGGED FROM THE MAINS BEFORE ACCESSING THE SERVICE AREA AND BEFORE PERFORMING ANY REPLACEMENT/REPAIR OPERATIONS. IT IS ALSO RECOMMENDED TO POSITION THE CABLE SO THAT THE PLUG IS ALWAYS VISIBLE TO THE OPERATOR DURING THE COURSE OF THE MAINTENANCE INTERVENTION.

ALFA SHALL BEAR NO RESPONSIBILITY FOR ANY MACHINE MALFUNCTIONS OR PROBLEMS THAT MAY ARISE DUE TO THE OMISSION OR INCORRECT EXECUTION OF THE MAINTENANCE OPERATIONS.

7. CERTIFICATIONS

7.1. EC DECLARATIONS

	<p>The equipment complies with the following European Directives: 2006/42/EC, 2014/35/EU, 2014/30/EU, 2011/65/EU.</p>
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DECLARATION OF 'CE' CONFORMITY

The manufacturer **Alfa Srl** - Via Caduti di Ustica, 28 - 40012 Calderara di Reno - Bologna - Italy,
DECLARES UNDER SOLE RESPONSABILITY THAT THE STIRRING SYSTEMS

MODEL

MINIMIXER

**TO WHICH THIS DECLARATION REFERS, ARE IN CONFORMITY WITH
 THE FOLLOWING EUROPEAN UNION DIRECTIVES:**

N° 2006/42/EC	of 17 May 2006 on machinery, replacing Directive 98/37/EC
N° 2014/35/EU	of 26 February 2014 on the harmonisation of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits
N° 2014/30/EU	of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility, replacing Directive 2004/108/EC
N° 2011/65/EU	of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast), replacing Dir. 2002/95/EC

AND WITH PARTICULAR REFERENCE TO THE FOLLOWING IEC STANDARDS:

EN ISO12100	Safety of machinery - General principles for design - Risk assessment
EN 60204-1	Electrical equipment of machines – safety of machinery
IEC EN 60335-1	Household and similar electrical appliances - Safety
EN 55014-1+A1+A2	Requirements for household appliances, electric tools and similar apparatus. Emission
EN 55014-2+A1+A2	Requirements for household appliances, electric tools and similar apparatus. Immunity
EN 61000-3-2	Harmonic current emissions
EN 61000-3-3	Voltage fluctuations and flicker
EN 61000-4-2	Electrostatic discharge immunity
EN 61000-4-3	Immunity to Radio frequency electromagnetic fields
EN 61000-4-4	Immunity to Fast voltage transients on Power AC line and serial data line
EN 61000-4-5	Immunity to surge
EN 61000-4-6	Immunity to conducted disturbances, induced by radio-frequency fields
EN 61000-4-11	Immunity to voltage dips, short interruptions and voltage variations

PLACE AND DATE	Calderara di Reno, April 20, 2016	
NAME	Marco ROSSETTI	SIGNATURE
POSITION	President	


Person authorised to compile the technical file:
 Mr Marco ROSSETTI
 Via Caduti di Ustica 28 - Calderara di Reno (BO) - Italy

Last two digits of the year in which the CE marking was affixed: 15

Alfa S.r.l.
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7.2. END OF LIFE TREATMENT - WEEE DIRECTIVE

This product complies with the Standard 2012/19/EU on the waste of electric and electronic equipment which abrogate Standard 2002/96/EC.

	<p>The symbol on the equipment or on the package indicates that the equipment must not be disposed of as general waste at the end of its operating life but must be disposed of in a collection point specific for electric and electronic equipment organised by the Public Administration.</p> <p>The user desiring to dispose of this equipment may also contact the manufacturer and receive further information for a correct separate collection of the equipment at the end of its operating life.</p> <p>A correct separate collection for subsequent recycling of decommissioned equipment, treatment and environmentally compatible disposal, helps avoiding possible negative effects on the environment and on human health and promotes recycling of the materials making up the product.</p> <p>Therefore, the commitment to do so is a moral and civil duty for every citizen.</p> <p>Illegal disposal of the product by the owner causes the imposition of administrative sanctions as indicated by the law in force.</p> <p>For safe machine packaging and handling it is recommended to use a pallet for MINI MIXER, equipped with the necessary fixing points (see para. 2).</p> <p>All handling procedures must be carried out using an industrial truck or a transpallet of right capacity.</p>
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Timbro rivenditore

Sales Mark

