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WRAPPING MACHINE

M 230 SANDWICH

Use and Maintenance Manual

SERIAL NUMBER 17/755

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SECTION 1 (INTRODUCTION)

This document consists of 6 sections

Note: while reading the various topics, the numbering of the chapters in the various sections is not sequential.

SECTION 1 (INTRODUCTION) [THIS DOCUMENT]

This section consists of:

- The general description of the supply
- General safety information

SECTION 2 (MECHANICAL UNIT)

This section consists of all the mechanical information referred to the machine: Installation Preparing for use Maintenance Safety instructions on the three above mentioned topics SECTION 3 (ACCESSORIES) This section consists of all the mechanical information referred to the accessories:

Installation Preparing for use Maintenance Safety instructions on the three above mentioned topics

SECTION 4 (ELECTRICAL PANEL AND CONTROL PANEL)

This section consists of all the electrical information:

Installation

Use

Maintenance

Safety instructions on the three above mentioned topics

SECTION 5 (PROGRAMMING)

This section consists of all the programming information

SECTION 6 (ATTACHMENTS)

This section consists of all the documentation to be attached to the manual. Example: Declaration of Conformity Layouts

Diagrams

etc.

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1. GENERAL INFORMATION

1.1. This document

M.C.M. S.r.I. disclaims any liability for damage and/or injury to persons, animals or property resulting from the failure to comply with the requirements in this document "assembly instructions".

The details below should not be considered a long and burdensome list of warnings, but a number of instructions aimed at improving the machine performance from every aspect and particularly prevent injury to persons, animals or property as a result of improper use and behaviour.

The document has been drafted in accordance with the following standards: UNI 10653, UNI 010893 and UNI EN 12635. The document reflects the state of the machine at the time of sale, therefore, M.C.M. S.r.I. reserves the right to update it without the obligation to adapt the previous versions.

In terms of the law, M.C.M. S.r.I. considers this document to be a business secret, prohibiting anyone from reproducing it or disclosing its content to third parties, in whole or in part, or to competitor companies without specific written authorisation from M.C.M. S.r.I.

This document must be kept throughout the life of the machine, and a new copy may be requested if this is damaged or lost. If the machine is sold, the User is asked to pass on the address of the new owner to M.C.M. S.r.I.

The Head of Department or Maintenance must keep this document in a protected, dry place and make it available to the user for consultation. For any information or request please contact:

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1.1.1. Language used

This manual is written in the language used in the destination country of the machine, in accordance with the provisions of the applicable European Directives.

This document is always accompanied by the identical version in English; in case of doubt, reference is made to the document written in English.

1.1.2. Consultation

The document contains information about using and performing maintenance on the Wrapping Machine with particular reference to installation, inspection, checking, adjusting, cleaning and maintenance. All safety requirements specified below must be implemented when carrying out these operations.

1.1.3. Conventions on the symbols and notes on the graphic display

The following symbols with their relevant meanings will be used for more immediate operator attention to certain topics or issues.



CAUTION

Paragraphs marked with this symbol contain particularly important information for personal safety

FORBIDDEN

Paragraphs marked with this symbol contain instructions regarding misconduct or improper machine use that may cause a hazard and are therefore forbidden.

REQUIREMENT

Paragraphs marked with this symbol contain mandatory instructions.

These paragraphs provide instructions on possible sources of danger that cannot be eliminated and which the operator must pay particular attention to.

It should be noted that the diagrams, pictures and graphs shown in this document are not to scale. They are used to supplement the written information and as a summary but they are not aimed at providing a detailed representation of the machine supplied. In most cases, the diagrams, pictures and layouts are provided without the protections or guards installed in order to give a more complete view of the machine.

Lastly, please note that the attachments, which consist of photocopies of catalogues, diagrams, etc., follow the original page identification number and numbering (if applicable), otherwise they are not numbered.



1.1.4. Definitions

Terms	Definition
Safety shutdown	A type of operating interruption which allows an orderly shutdown of the machine for safety purposes and which maintains the program logic to facilitate resuming operations (ref. UNI EN ISO 10218-1:2009 point 3.17).
Customer	The person who purchased the Machine and/or who manages it and uses it regularly (e.g.: company, entrepreneur, business, etc.).
Safety device	A device (other than a guard) that eliminates or reduces risks; it can be used alone or be associated with a guard.
Emergency stop device	A set of components intended for the emergency stop function; the device is operated with a single action and prevents or reduces damage being caused to people, machines or property.
DUVRI	Documento Unico di Valutazione dei Rischi (Single Risk Assessment Document) – In the case of a tender for the installation of the machine, the Customer's works manager must verify the technical and professional suitability of the executing company and promotes cooperation and coordination between the companies, and particularly processes and delivers this document.
Operator, user	The person assigned to the installation, setting, use, maintenance, cleaning, repairs and transport of the machine.
Collaborative operation	The state in which the specifically designed machines work in direct collaboration with one or more persons within a defined workspace (ref. UNI EN ISO 10218-1:2009 point 3.4).
Hazard	Source of possible injury or harm to one's health.
Trained personnel	Personnel who have been informed and trained on the tasks to be performed and the hazards involved (e.g.: line workers)
Authorised personnel	Skilled personnel assigned by the customer to perform certain tasks
Skilled personnel	Operators who, based on their training, experience, knowledge of the relevant regulations and safety standards, can assess the tasks that have been assigned to them and recognise and prevent any hazards (e.g.: electrical technicians)
Protections	Safety measures that consist of using specific technical means (guards and safety devices) to protect the workers from hazards
Guard	Part of a machine used in a specific way to provide protection by means of a physical barrier; depending on its construction it can be called a cap, cover, screen, door, enclosure, casing, isolation, etc.
Risk	A combination of probability and severity of possible injuries or harm to one's health in a dangerous situation
Protected space	Space defined by the perimeter of the safety devices (ref. UNI EN ISO 10218-1:2009), if applicable.
Dangerous situation	Any situation in which an operator is exposed to one or more hazards
Tab. 1 - Definitions	s of the key terms used in the document



1.2. <u>LIABILITY</u>

The use and maintenance instructions supplied with the machine consider the experience and knowledge matured by M.C.M. S.r.I. to-date. They are updated according to the revision and date shown on the cover and at the bottom of the page. Any new revision supersedes the previous.



CAUTION

All liability for damage and malfunctions caused by the following is declined:

- Manoeuvring errors;
- Failure to comply with the instructions in this document;
- Repairs that are not performed in a workmanlike manner and replacing parts with any other than those specified in this document (the assembly and use of non-original spare parts and accessories may compromise machine operation);
- Unauthorised alterations or operations;
- Poor maintenance;
- Defects in input supplies (electric or pneumatic);
- Improper use of the machine;
- The machine being used by untrained personnel;
- Exceptional events arising from unpredictable external causes;
- Non-application of the safety, hygiene and health related requirements in the workplace.

All liability for damage caused by irresponsible alterations and changes made by the user is declined.

The user must identify and choose the category of PPE (Personal Protective Equipment) in accordance with the Company Risk Assessment.

M.C.M. S.r.I. disclaims all liability for possible inaccuracies in the document due to misprints, translation or transcription.

Any additions to the use and maintenance instructions that the manufacturer deems appropriate to send to the user must be kept together with the document, which they will form an integral part of.

1.3. COPYRIGHT

This document can only be disclosed to third parties or reproduced with written authorisation from M.C.M. S.r.I.

1.4. <u>Testing</u>

The machine has been designed according to your specific requirements in order to obtain the best performance and optimum efficiency.

Unless agreed otherwise, the technicians of M.C.M. S.r.I. will test the machine before delivery; see the attached report in Section 6 (Attachments).



1.5. WARRANTY

The terms of the machine warranty are shown on its contract of sale.

This is a brief summary of the normal warranty terms and conditions:

- 12 (twelve) months on mechanical parts, except on the parts subject to wear.
- ► 6 (six) months on electrical/electronic parts.

The supply of spare parts under warranty is defined as Ex Works (EXW) of the material being replaced. Therefore, unless agreed otherwise during the negotiations, all costs related to transport or delivery and/or the visit of the technician assigned for the replacement, including the journey, board and lodging, will be completely borne by the Customer.

The warranty will be rendered null and void as soon as damage caused by incorrect operation and/or tampering with the parts by unauthorised personnel is noted.

M.C.M. S.r.I. reserves the indisputable right to verify the actual causes of defects in the material or technical fault. If faults or malfunctions should be noted due to improper use or not conforming to the provisions referred to in Paragraph 1.2 of this section, M.C.M. S.r.I. will charge all costs associated with the checking and replacement operations directly to the Customer.

1.6. <u>COURT OF JURISDICTION</u>

Unless agreed otherwise during the negotiations, any dispute shall be resolved by the Court of Milan.

1.7. APPLIED TECHNIQUE LEGISLATION AND CERTIFICATIONS

The EC Declaration of Conformity indicating the applicable standards is provided in Section 5 (Attachments).



2. INTENDED CONDITIONS OF USE AND ELEMENTS PRESENT

2.1. DESCRIPTION OF THE SUPPLY

The M.C.M. Wrapping Machine model M254 is the supply referred to in this Use and Maintenance Manual.

This is an automatic device with partial manual loading (only in the initial stage) intended to pack products, mainly consisting of food, in film.

It is equipped with a Command and Control Panel on the machine and has a standard configuration (described in this Use and Maintenance Manual), which consists of the following parts:

- Double reel holder;
- Simple jaws;
- Fixed conveyor;
- Print centring;
- ▶ Four pairs of sealing drive rollers powered by a brushless servo motor
- First pair of tilting sealing drive rollers;
- Inverter controlled asynchronous line motor.

On request, it can be configured with the following accessories (not included, therefore not described in this Use and Maintenance Manual):

- Adjustable conveyor;
- Automatic reel change;
- Double jaws;
- Safety joint on jaws;
- Automatic hot roller opening;
- Rotary date printer;
- Data printer on the jaws.



2.2. **IDENTIFICATION PLATE**

For any technical communication always quote the serial number of the machine and the year of manufacture by referring to the technical data plate on the machine.

• M.C.M. S.r.	CE.
VI.C.IVI. S.I. Strada Vicinale del Cam 20014 Sant'Ilario M.se di Nervi Tel. +39 0331 534754 I Fax +3 www.mcmwrap.co	paccio 1 iano (MI) ITALY 19 0331 534755
Macchina tipo - Machine type	Matricola N° - Serial Nr.
Anno di costruzione - Manufacturing Year	Massa - Total weight
	Kg
Caratteristiche elettriche - Electrical supply	Alimentazione aria - Air supply
V Hz kW	bar NI/h
•	•



3. USER DUTIES

The following tasks, requirements and works are to be seen to by the user:

- Set up of the installation room, including any masonry works and/or ducts required;
- Set up of the supply of compressed air near the machine as specified in Section 2 (MECHANICAL UNIT) in paragraph 1.1.2 "Technical Specifications";
- Appropriate compressed air handling upstream of the feeder;
- Installation of adequate power supply upstream of the machine in accordance with the regulations in force in the country of use;
- Connection of the metal structure of the machine to the earth loop of the premises (to protect the operators from the risk of indirect electrical contact) with a copper cable having a suitable section;
- Installation of a differential switch upstream of the electrical panel in order to protect against indirect electrical contact, described in more detail in Section 4 (ELECTRICAL PANEL AND CONTROL PANEL)
- ▶ Implementation of traffic route signs (yellow lines, which identify the transit aisles of transport vehicles).

3.1. INSTALLATION ENVIRONMENTAL CONDITIONS



CAUTION

Various risks due to unforeseen environmental conditions by the manufacturer.

The proper operation of the electrical equipment is intended for the following environmental conditions

Temperature	+5°C ÷ +40°C.
Relative humidity / non condensing	5% ÷ 95%
Max Working Altitude	2000 m
Atmospheric pressure	700 ÷ 1060 hPa
Tab.2 - Environmental limits of us	Se la



3.2. LIGHTING

The machine does not require particular sources of auxiliary lighting as that found in the premises or in the department where it is placed is sufficient.



REQUIREMENT

The lighting of the work environment must comply with the requirements stipulated in Directive 89/654 EEC. However, it is appropriate for the intensity of diffusion in the area where the machine is placed not to be less than 300 lux (see UNI EN 12464-1:2004, table 2.7 point 2.7.2).

Ambient lighting must not cause shadows which can cause interference or an irritating glare. In particular, the light source must be placed behind the work station in order to prevent a glare.

If used in other environments where the ambient lighting is insufficient, a local lighting device must be installed.

The local lighting must guarantee good visibility in every point, it must not create dangerous reflections and allow the control panels to be read clearly and the emergency buttons to be identified.

On request, the Work area can be equipped with an additional light source. The maintenance technicians must use auxiliary lighting to operate inside the electrical panel in order to illuminate better the internal wiring.

3.3. AIRBORNE ACOUSTICAL NOISE EMISSIONS

The machine has been designed so as to minimise noise emission. The value of the M254 Wrapping machine detected in normal operating conditions is **82 dB**.



REQUIREMENT

The person who will apply the CE mark on the machine is responsible for indicating the value of the noise emitted by the machine during use.

This value will then be used by the works manager in the company where the machine will be installed in order to determine the exposure of the operators, as required by the legislation on safety at work (Title II and Title III of Leg. Decree 81/2008 that implements the requirements of Directive 2003/10/EC.

3.4. SUPPORTING SURFACE

REQUIREMENT



The floor must support the weight of the machine described in section 2 paragraph 1.1.2 "Technical specifications".

The machine must be placed on an evenly level surface to fulfil the stability characteristics.

It is important to make sure that the flooring is adequately consolidated in order to prevent any subsidence when the machine is installed.

Excessive vibration which could compromise machine operation must be prevented.

However, there must be no vibration on the supporting surface of the machine so as to guarantee general personal safety and a long life of the components.



4. <u>SAFETY</u>

The operator must read the information in this document very carefully, paying particular attention to the safety precautions listed in this chapter.

IT IS STRICTLY FORBIDDEN FOR PERSONS WITH A PACEMAKER TO APPROACH THE MACHINE.

4.1. <u>GENERAL SAFETY REQUIREMENTS</u>

FORBIDDEN

Do not remove or tamper with the protections and the safety devices installed on the machine. Follow the safety instructions in Section 2 paragraph 3 (ADJUSTMENTS AND TOOLING) and Section 2 paragraph 4 (MAINTENANCE AND MECHANICAL REPAIRS)

In the event of flooding, do not touch the machine before having disconnected the power supply and cleared the water in the area.

The machine is solely intended to be used by skilled and specifically informed and trained personnel (this document must also be read).

In order to allow the emergency stops to be easily reached, do not leave objects or other material in front of them.

It is strictly forbidden to climb on the machine. If routine and special maintenance must be performed on the upper part of the machine, or above it, it is mandatory to use safety devices and structures (scaffolding, ladders, safety ropes, etc.) as well as personal protective equipment, in accordance with the safety standards in the workplace.



REQUIREMENT

Make sure that nobody is in the danger zones before starting the machine.

All operators must receive specific instructions on machine use and maintenance. This document must be used as part of the training.

The head of department must monitor that the safety procedures in this document are applied properly by means of constant checks and verifications.

Keep the machine orderly and clean by following the steps described in Section 2 Paragraph 4.5 (Description of routine maintenance).

Provide appropriate containers to store materials used for cleaning and maintenance.

Wear the required personal protective equipment.

Besides the instructions in this document, the user is obliged to comply with current regulations regarding safety and accident prevention applied in the workplace.

In case of a malfunction, suspected failure, incorrect movements or abnormal noises, immediately stop the machine and promptly inform the appointed manager

When a fire is noted (even if small), alarm must be given immediately and the specialist teams must intervene to extinguish it.

During normal operation, the door of the electrical panel must always be kept locked and the keys must be handed over to an appointed manager.

Operations with the machine in manual mode should always be carried out with all personnel out of the protected space.

Before setting the machine back to automatic mode, the temporarily suspended safety functions must be reset to the fully functional mode.



4.2. CONTRAINDICATIONS

FORBIDDEN

Personnel who have not previously been informed and trained are forbidden from handling, installing, using and performing maintenance on the machine.

It is forbidden to use the machine in an explosive (ATEX) or harsh atmosphere or where there is a high concentration of dust or oily substances suspended in the air.

It is strictly forbidden to use the machine out of the above limits. It is particularly forbidden to perform any processing adjustment or alteration to the machine if this should exceed the limits stipulated in this document.

It is also forbidden to use the machine in the following conditions:

- If it is left exposed to the elements;
- With the safety devices excluded;
- With electric jumpers and/or mechanical means which exclude utilities, safety or protection devices of the machine itself;
- For processing of materials other than those specified in this document;

Only personnel required by the production requirements are allowed to work on the machine during the work cycle.

4.3. Exclusions

The EC Declaration of Conformity and use and maintenance instructions of this machine refer to the equipment and devices listed and described in this document. Equipment that is not mentioned is excluded from the liability of M.C.M. S.r.I.

4.4. <u>The operator</u>

REQUIREMENT

The operator (or handler) must be a diligent, responsible person who has understood and complies with the information in this document.

The works manager of the operators must make sure that all personnel assigned to programming, operation, maintenance or repairs have been adequately trained in order to operate the machine safely.

Training must include:

- An overview of the applicable safety procedures and recommendations provided in this document. Knowledge of the signs on the machine;
- A clear definition of the tasks assigned. Training on the duties and procedures to be followed when performing the assigned duties;
- The identification and explanation of all the command and control devices of the machine and their relevant functions.
- ► The identification and explanation of the securing procedures
- The identification of the hazards associated with the tasks assigned and the method (including safe working procedures) to be protected from the identified hazards;
- The functional testing method or other ways to make sure the protections work properly





FORBIDDEN

IT IS STRICTLY FORBIDDEN FOR PERSONS WITH A PACEMAKER TO APPROACH THE MACHINE.

Personnel without the above mentioned requisites are not allowed to operate the machine. In any case, they must be in perfect physical and mental condition to work.

The main tasks assigned to the operator involved in the operation are:

- First start-up of the day. Shutdown and securing the machines at the end of the day;
- Material loading and/or unloading parts in output;
- Settings, adjustments and starting the automatic cycle;
- Monitoring the work cycle (controlling the correct machine operation) and any resetting and restoring operations as described on the relevant screens.
- Superficial cleaning and maintenance of the equipment in order



4.5. SAFETY COMPONENTS

In compliance with current safety standards, the machine is equipped with devices and guards that minimise the risks for personnel who are near the machine.



FORBIDDEN

The protections and safety devices must not be removed. Before using the machine, the user must make sure they are present and work properly.

They are only allowed to be removed for maintenance and in compliance with the procedures described for the maintenance technician.



CAUTION

Verifying the protections and safety devices could expose the maintenance technician to the risks posed by them not working. For this reason, proceed with utmost care and with all the necessary precautions.

4.6. RESIDUAL RISKS AND SAFETY SIGNS

- The residual risks related to the machine are accident related that remain after all the safety measures adopted by the manufacturer are implemented.
- The residual risks due to insufficient efficiency of the safety measures adopted are described in the various paragraphs of this document.

Below are the residual risks associated with the safety signs installed on the machine. In accordance with Attachment I of the Machinery Directive 2006/42/EC, the essential health and safety requirements are entirely fulfilled with the exception of the following, which the user is fully responsible for:

- ► 1.1.4 Lighting
- 1.3.5 Risks related to combined machines.
- Lightning: the machine is solely intended for indoor use and the user is responsible for the protection against lightning in the building.

And with the partial exception of the following, which are only partially borne by the user:

- ► 1.1.5. Machine design to facilitate it being handled
- 1.3.7. Risks related to moving parts;
- ▶ 1.5.10. Radiation (non-ionizing)

The following table should be read as follows:

- The first column indicates the signs installed on the machine
- The second column indicates where the signs are found
- The third column lists the residual risks (the exposed person and the relevant danger zone are also specified)
- The fourth column indicates the persons exposed to the relevant risk
- ▶ The fifth column indicates the standards of conduct intended for the exposed person
- The last column indicates the paragraph that corresponds with the essential requirement of Attachment I of Pres. Decree 459/9 6 which each residual risk refers to.



Signs installed on board the machine	Position of the signs / Danger zone	Residual risk	Exposed person		Exposed person Standards of behaviour to eliminate the risk		
	On each fixed and mobile guard.	Various risks (primarily impact and crushing against moving parts of the machine) as a result of unauthorised tampering with the safety devices.	TRAN		The surveyle described in this		
			INST		The guards described in this document should not be removed by	1.4.1	
			USER	х	the user who must make sure they are present and work properly before starting the machine. They are only allowed to be removed		
			ADJU	х			
			MAIN	х	for maintenance, after the machine has been secured, and in compliance		
			DISP:		with procedures described in this document.		
			OTHER:	х			
	On the structure of the machine	Risk of impact with protruding parts	TRAN:			1.3.4	
			INST:				
			USER:	х			
			ADJU:		Mandatory helmet and goggles		
			MAIN:				
			DISP:				
			OTHER:				
		Risks related to the various equipment falling (during transport and handling) due to incorrect lifting points having been chosen.	TRAN:	х		1.1.5	
			INST:	х			
	On every lifting point		USER:		Comply with the instructions provided		
8			ADJU:		in the user manual and in the technical diagrams and use the lifting		
			MAIN:		points indicated on the machine.		
			DISP:				
			OTHER:				
	On the machine	Risks due to radio frequency emissions of the power drivers	ALL	x	Persons with a pacemaker are forbidden from approaching the machine.	1.5.10	
Tab.3 - Sur	nmary of the s	afety signs (indicating the	residual risks))	I		

See section 2 paragraph 1.1.3 for the signs on the machine.

TRAN:	PERSON IN CHARGE OF TRANSPORT					
INST:	PERSON IN CHARGE OF INSTALLATION					
USER:	ERSON IN CHARGE OF USE AND CLEANING					
ADJU:	PERSON IN CHARGE OF ADJUSTMENTS AND TOOLING					
MAIN:	PERSON IN CHARGE OF MAINTENANCE					
DISP:	PERSON IN CHARGE OF DISPOSAL					
OTHER:	OTHERS					
ALL	ALL					
Tab.4 - Key of operators						





FORBIDDEN

It is forbidden to remove or cover the signs on board the machine

REQUIREMENT

It is mandatory to maintain the efficiency of the signs on the machine and replace them if damaged or lost.

4.7. PERSONAL PROTECTIVE EQUIPMENT (PPE)



REQUIREMENT

It is mandatory to use the personal protective equipment listed below

The PPE used must bear the CE mark and conform to Directive 89/686/EEC, implemented in Italy with Leg. Decree 81/08 and subsequent amendments.

Additional details and information concerning the use of PPE should be found in the risk assessment document of the company where the machine in question is used.

Phase	Protective clothing	Safety shoes	Gloves	Goggles	Hearing protectors	Mask	Helmet	Note s
	R			600			$\mathbf{\Theta}$	
TRANSPORT								
HANDLING								
UNPACKING								
ASSEMBLY								
ORDINARY USE								
REGULATIONS								
CLEANING								
MAINTENANCE								
DISASSEMBLY								
SCRAPPING								

Key:

 PPE REQUIRED

 PPE AVAILABLE OR TO BE USED IF NECESSARY

 PPE NOT REQUIRED



4.8. <u>EMERGENCY SHUTDOWN</u>

REQUIREMENT

Paragraphs marked with this symbol contain mandatory instructions.

If necessary, the machine can be stopped by actuating the emergency stop buttons. Press the button for the machine to stop immediately.



Control panel of the electrical panel

4.8.1. Restoring operations after an emergency stop



REQUIREMENT

Before restoring machine operation, verify that:

- There is no longer the emergency situation.
- The machine is perfectly intact and efficient
- That its safety devices work properly

Restore the Emergency mushroom push-button manually by rotating it clockwise about 30 degrees;

Verify whether there are any error signals on the display and then press the reset button and restart the machine with the START CYCLE button.



Control panel of the electrical panel

If the power supply is interrupted abruptly, for example due to a power cut, the machine can be restored by following the procedure described above except for the emergency button being used.



4.9. SPECIFIC SAFETY MEASURES

4.9.1. Safety measures in case of malfunctions, emergencies or accidents.



REQUIREMENT

In unforeseen situations, reach the closest emergency button and press it.

Before restoring machine operation, verify that:

- There is no longer the emergency situation;
- The area in which the hazard was triggered is perfectly intact and efficient.

4.9.2. Safety measures if the machine malfunctions.

Implement an emergency stop as described in paragraph 4.8 "Emergency shutdown" and then contact the technical support of M.C.M. S.r.I. and describe the problem.

4.9.3. Emergency safety measures in the work environment.

FORBIDDEN

In the event of flooding, do not touch the machine before having disconnected the power supply and cleared the water in the area.

REQUIREMENT

In case of fire, disconnect the power supply and put out the fire with dry chemical or CO2 extinguishers. Under no circumstances is water to be used to extinguish the fire.

The user must have adequate fire protection near the machine.

4.9.4. Safety measures in case of injuries or accidents.

Implement an Emergency stop as described in paragraph 4.8 "Emergency shutdown"

Refer to section 2 paragraph 4.6.1 "Handling the machine manually" in case of a trapped limb or person.

4.9.5. Safety measures when working at a height.

See section 2 paragraph 4.1.1 "Safety measures when working at a height"

