

ELECTRIC MARKING MACHINE MODEL T2E/M

USE INSTRUCTIONS AND MAINTENANCE



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1. Introduction

This manual is part of the electric marking machine **T2E/M** supply, according to the law. It is delivered with the Declaration of Conformity as certification that company Fattori Safest Srl has designed and built the machine according to the Directive 2006/42/CE and to the other potentially applicable Directives of the European Community. It has to be kept with the machine in an accessible place.

In offices or buildings where the marking machine has to be used, it is necessary to observe the current work security and cleanliness rules established by the European Community Directives, especially for the earthing.

2. Warranty

The company Fattori Safest Srl, after an accurate test, guarantees that the marking machine is free of faults and material or manufacture defects for a period indicated in the supply contract, ex works.

The warranty lapses automatically when the machine is misused or the instructions of this manual have not been followed.

The warranty lapses also in case of a replacement of machine components with others not authorized by the manufacturer.

All the warranty conditions are negotiated by the parties according to the current laws and they are described in the supply agreement.

3. General description of the marking machine

T2E/M allows to imprint dates, numbers, batches and any other alphanumeric references on paper, thin cardboard or plastic box.

This reference is composed setting types (characters), in one two or three lines, housed in a typeholder, that is the embossing element of the machine.

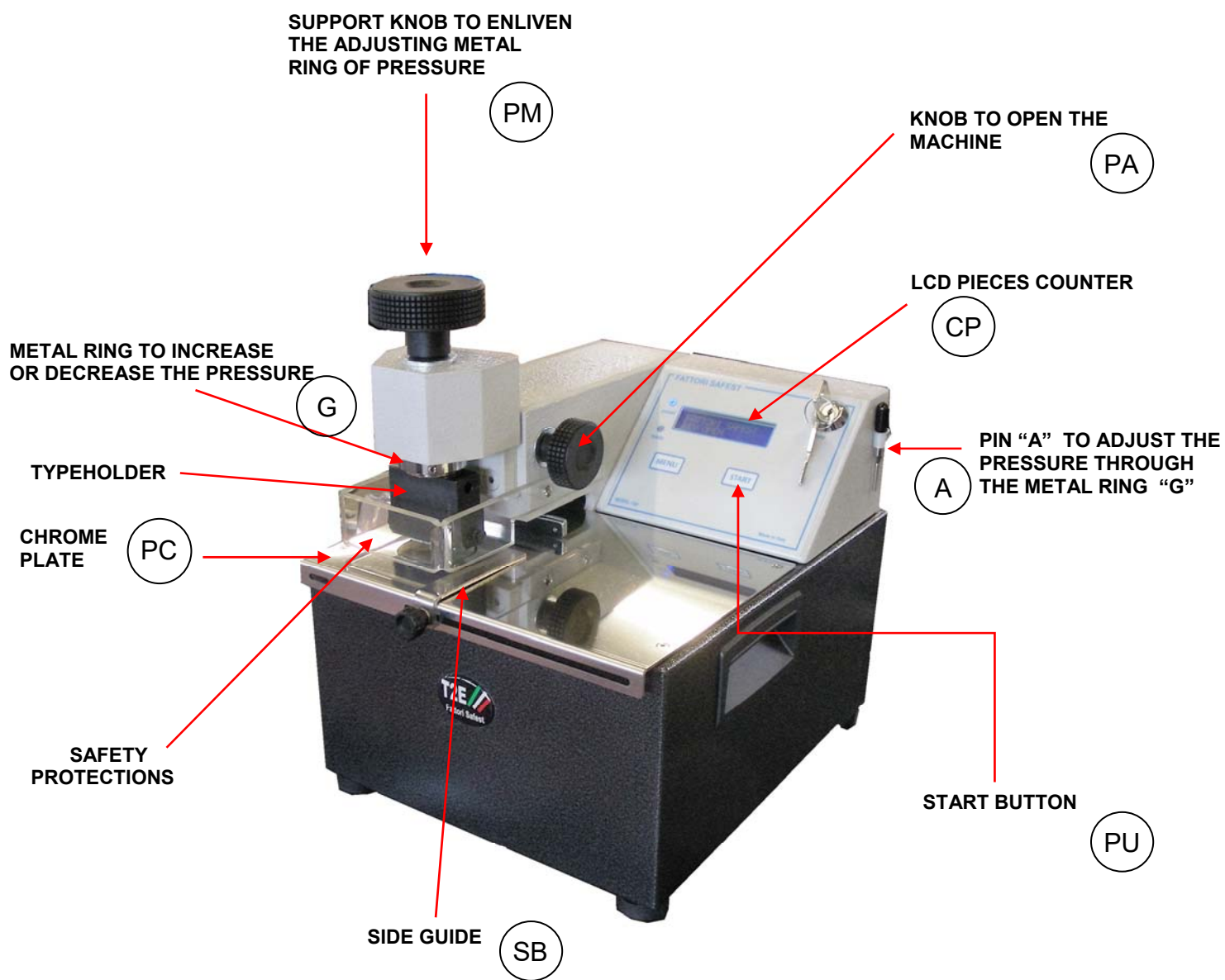


FIG.1

4. Machine components

- 4.1 Metal structure
- 4.2 Shelf support for the cases
- 4.3 Marking group

4.1 Metallic structure

The machine's structure is made of metal and the mechanical components are made of steel. The electric motor, the electronic control and the marking group are placed inside the metallic structure.

4.2 Shelf support for the cases

The chrome plate (PC) is used to place the cases directly under the typeholder, and the adjustable guides (SB) allow to place the cases sideways, in an easy way in the marking area.

On the left side there is another depth guide (SB) equipped with a sensor (microswitch) to power up the machine once the case, after being inserted, come into contact with it.

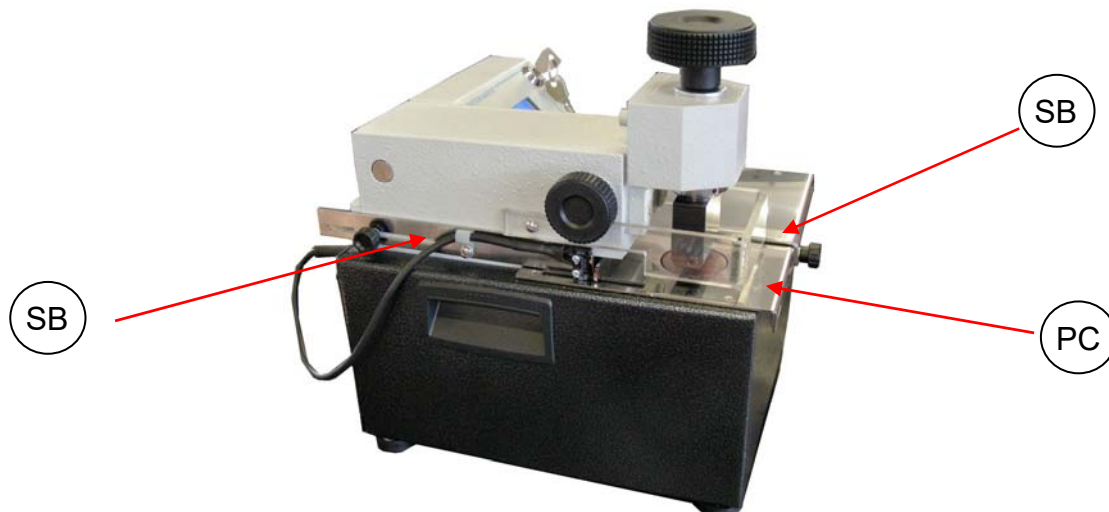


FIG.1.1

4.3 Marking group

The marking group consists of a typeholder where the needed elements to mark have to be inserted, a pressure ring (G), a knob (PM) that enables the adjustment of the pressure ring (G) and two knobs (PA) for the opening of the head to interchange the characters.



FIG. 1.2

5. Composition of the characters in the typeholder

To compose the characters and their interchanging they have to be inserted in the typeholder adding also the blank characters to make it possible to tighten them.

In order to do it follow the instructions:

- switch off the machine through the light switch (IL) in the back side of the machine (see page 12);
- unscrew the knobs (PA) and remove the locking pin (integral with the right knob) in the direction of the red arrow (FIG.2), to release the head.

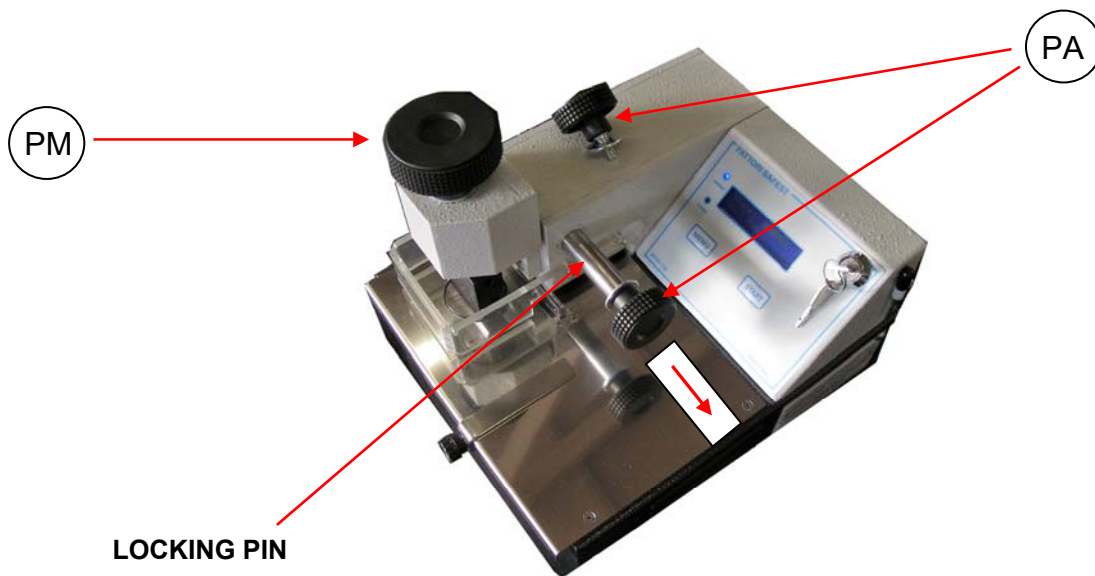


FIG. 2

- lift the head using the knob (PM), overturn it and gently lean it on the structure (FIG. 3).

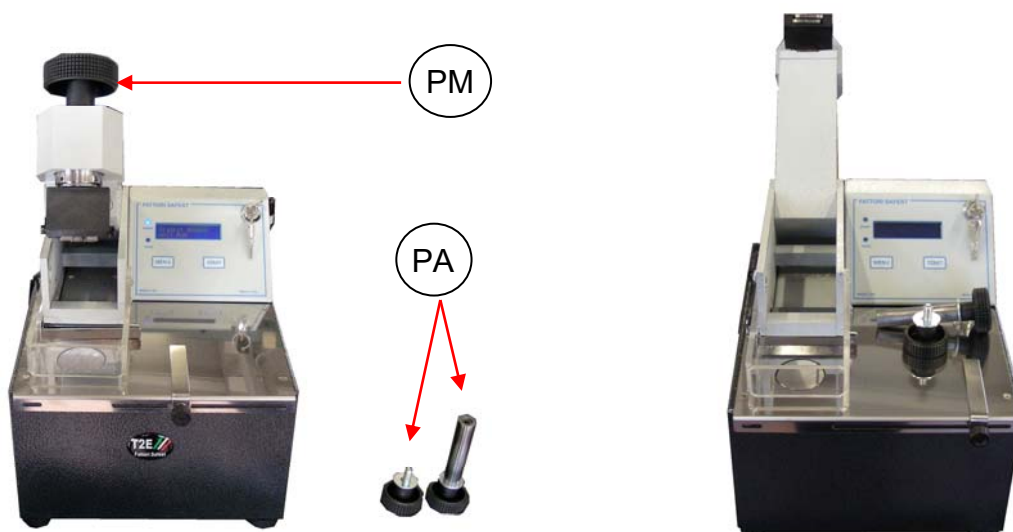


FIG. 3

- it is now possible to compose the characters in the typeholder, and to do this follow the instructions:
- through 2 keys, one nut key mm.7 (or 10 with characters of 2,5/3 mm) and one Allen key mm.2 (or 3 with characters of 2,5/3 mm), free the characters in the typeholder, first acting on the nut loosening it, and then acting on the grub screw contained inside the nut, unscrewing it (FIG. 4).

TOOLS SUPPLIED

WITH CHARACTERS mm. 2

1. ALLEN KEY mm. 2
2. NUT KEY mm. 7
3. PINCE FOR THE CHARACTERS
4. CHARACTERS CASE

WITH CHARACTERS mm. 2,5 – 3,0

1. ALLEN KEY mm. 3
2. NUT KEY mm. 10
3. PINCE FOR THE CHARACTERS
4. CHARACTERS CASE

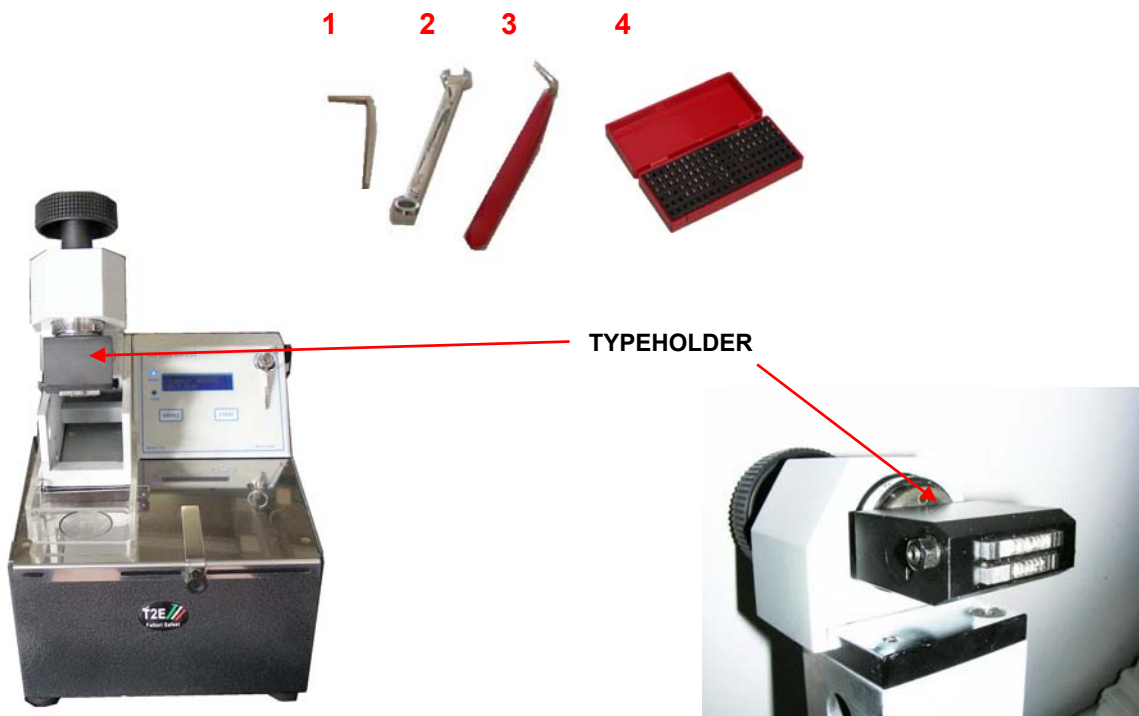


FIG. 4

- once you have set the characters free, interchange them according to your needs, and use the blank characters to fill empty spaces in the used lines (FIG. 5).



FIG. 5



FIG. 6

- tighten the characters blocking them with the Allen key while pressing them, so that they stay flat at the bottom; then, while keeping the head of the Allen key, tighten all the characters by screwing the nut with its key: in this way all the lines of characters are locked (FIG. 6).
- close the head and insert again the locking pin with the knobs (PA) to block it (FIG. 7 - 8).



FIG. 7



FIG. 8

6. Marking pressure adjustment

The consistency of the material, its thickness, and the quantity of characters inserted in the typeholder, may require adjusting the pressure for a better readability.

Act in the following way, see FIG. 9:

- unscrew the knob (PM) of approximately 1 spin so that the ring (G) can be unlocked.
- using the pin (A), you are able to rotate the ring (G) in anticlockwise direction to increase the pressure, while in clockwise one to decrease it.
- screw the knob (PM) applying a little pressure and try to mark.

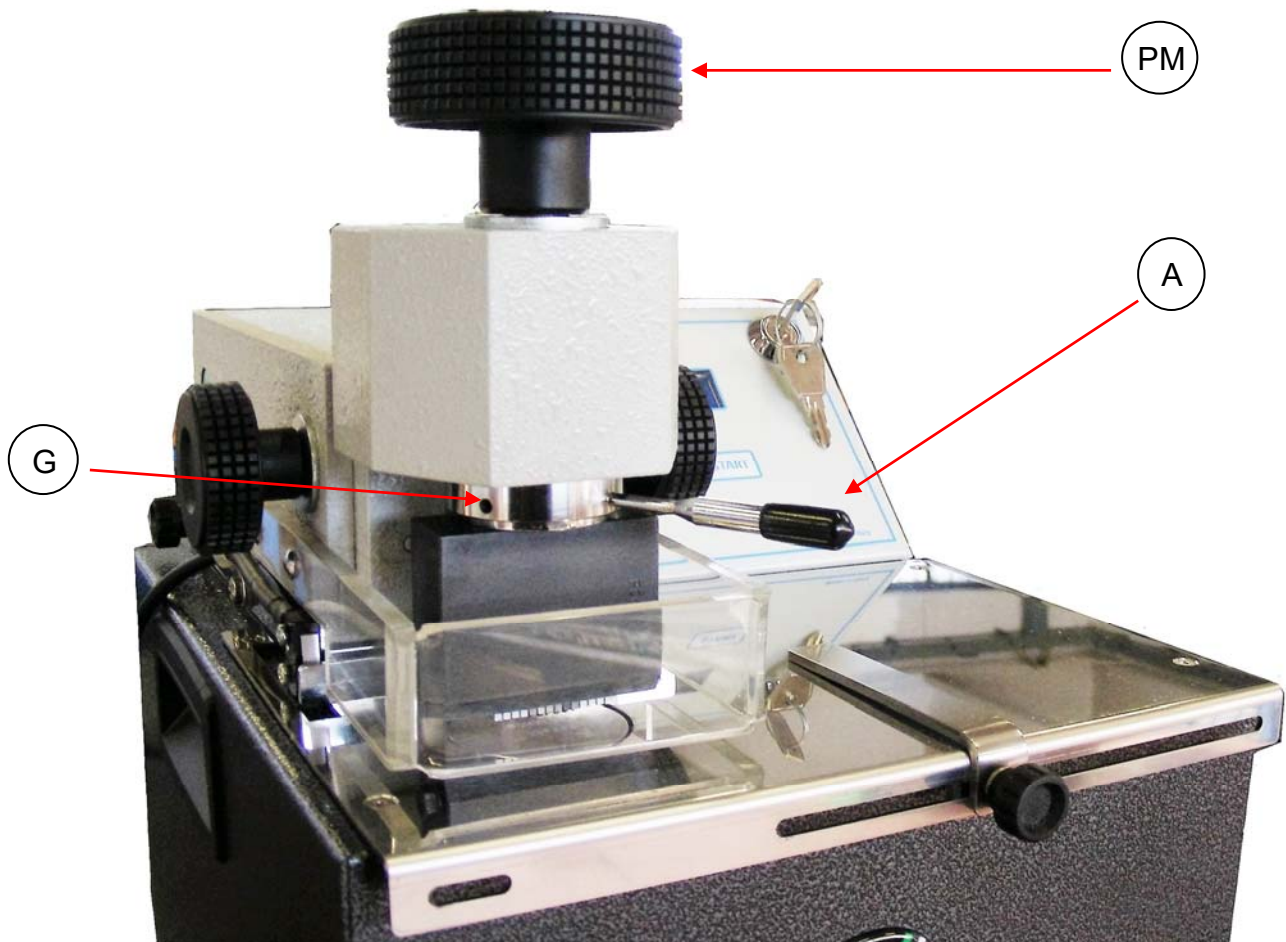


FIG. 9

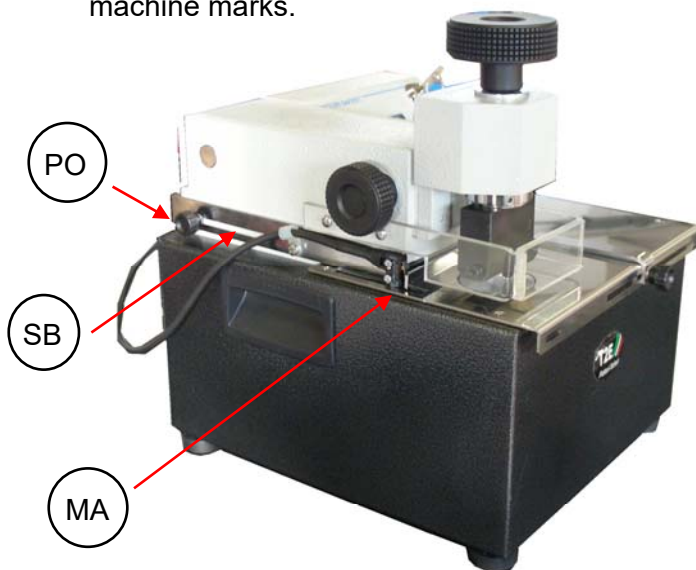
7. Marking position adjustment

In order to mark stamp in a precise way in a select zone on the case it is necessary to adjust the guides (SB).

Act on the small knob (PO) loosening it and move the guide till the wanted place, taking as reference the typeholder.



Do the same with the depth guide (SB). In order to find the desired position, regulate the guide (SB) with "KEY OPEN", so that when the case makes contact with the microswitch (MA), the machine marks.



8. Typeholder rotation

Marking can be done:

- with the head in horizontal position (FIG. 10);
- with the head in transverse position (FIG. 11).



FIG. 10

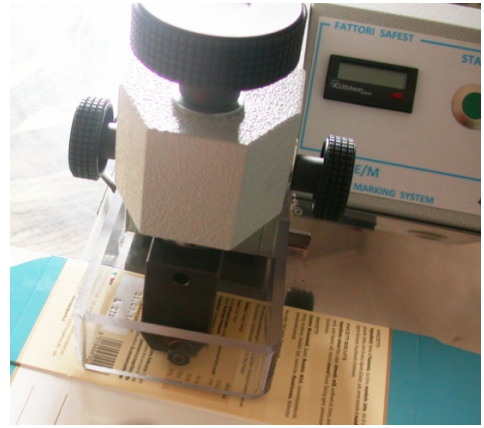


FIG. 11

In order to rotate the head, insert the Allen key, unscrew it and let the typeholder free (FIG. 12), so that it can be rotated in the wanted orientation (FIG. 13 - 14) or, if needed, removed from the machine. Use the Allen key to lock the typeholder once it has been placed.



FIG. 12



FIG. 13



FIG. 14

CAUTION : when the typeholder is in transverse position (FIG. 11 and FIG. 14), the microswitch has to be pulled back (FIG. 15), otherwise, while closing the head, it could be crushed and damaged (FIG. 16).



FIG. 15

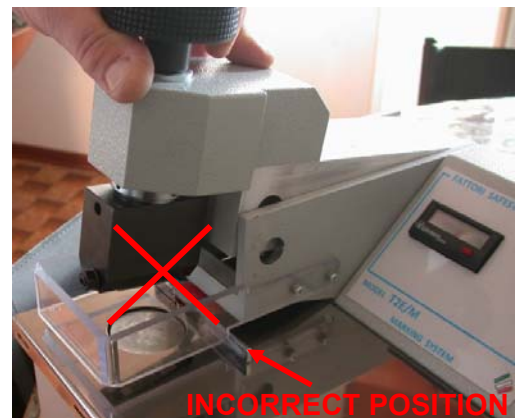


FIG. 16

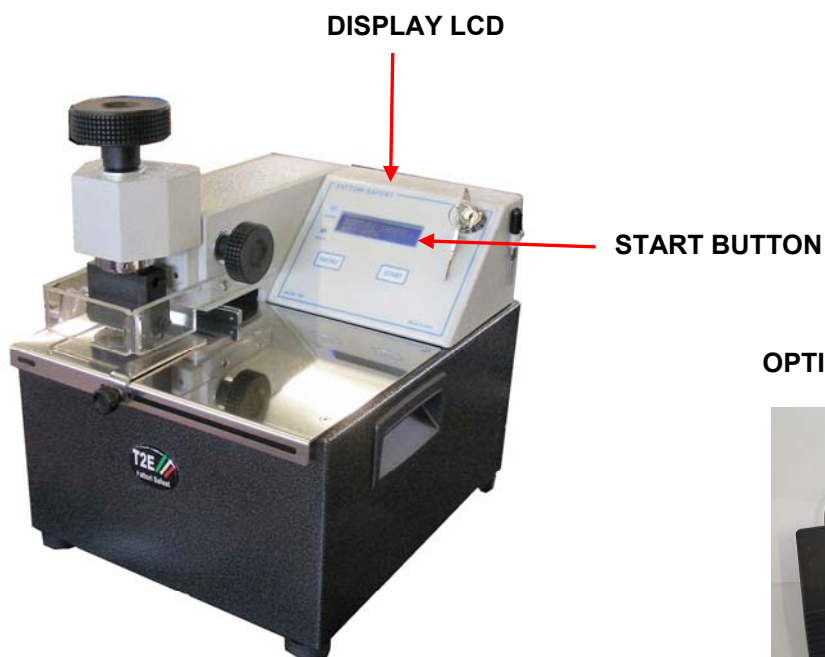
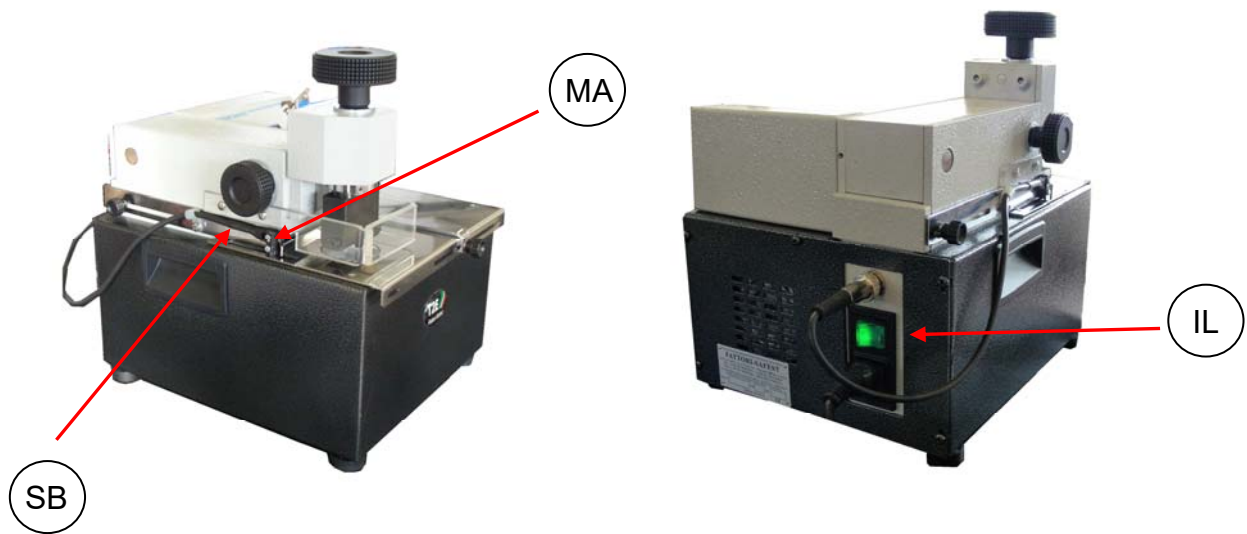
9. Controls

Turn on the machine with the light switch (IL).

Marking activation with the start button.

Marking activation with the microswitch (MA) connected to the depth guide (SB) (optional).

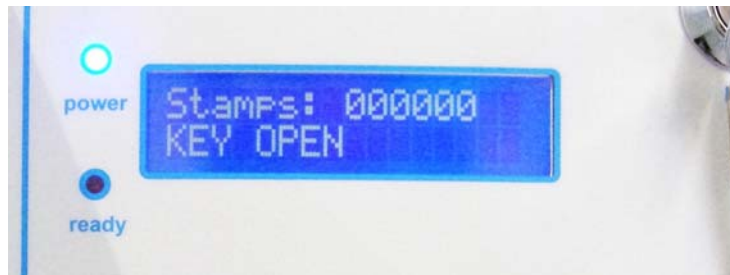
Marking activation with a pedal (optional).



OPTIONAL: PEDAL

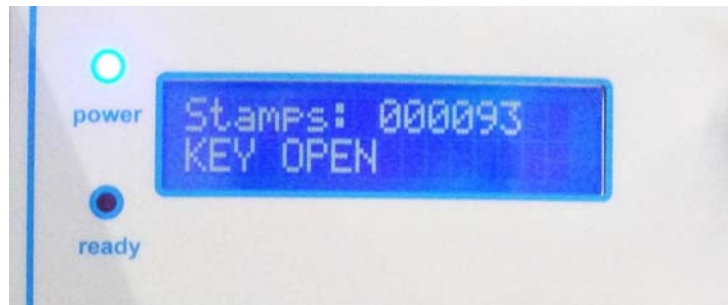


WITH KEY OPEN: IT IS POSSIBLE TO ENTER IN THE MENU



PRESS MENU

**NO. OF STAMPS
MADE**



**PRESS START
AND THE
COUNTER
RESETS**

PRESS MENU

**NO. OF HOURS
OF WORK**



PRESS MENU



**IT COMES BACK
TO THE MAIN
MENU**

PRESS MENU

**WITH
KEY CLOSE:**



**NO. OF
STAMPS
MADE**

10. Security

Read with attention the instruction manual before starting up the machine.

Expected use

The marking machine T2E/M is designed to stamp on paper, cardboard case and similar material to set numbers and letters.

It should not be used for other purposes that may cause personal injury or damage the machine.

Essential measures for safety

- Do not make changes to the machine.
- Do not remove the protections.
- Do not place the machine near water or wet environments such as, for example, sinks, washbasins, damp cellars, etc.
- Only use original parts recommended by the manufacturer for a replacement.
- Always turn off the machine when you open the head with the typeholder.
- Be sure that the characters are tight in the typeholder to prevent them from falling.
- Contact technical assistance when:
 - The machine emits unusual noises or strange smells.
 - The machine has been dropped from its base or it is damaged.
 - The machine's performance are decreased significantly.

This is in compliance with the new Machine Directive on health and safety at the workplace and to ensure the proper functioning and durability of the equipment.

11. Technical data

The main technical specifications of electrical marking machine are listed in the following schedule.

TECHNICAL SPECIFICATIONS

Description	Unit	Spec.
Machine width	cm.	24
Machine depth	cm.	28
Machine height	cm.	31
Weight	Kg.	23
Electric feeding		
Voltage – electronic recognition	V.	110 - 220
Frequency – automatic adjustment	Hz.	50 - 60

12. Rules and certifications

The machine has been carefully planned and built bearing in mind the safety requirements included in the Machine Directive 2006/42/CE. Others applicable Directives have been considered.

What follows is a list of rules that have been used as reference and information about ergonomic and ecological conditions for a correct use of electrical marking machine.

Technological rules applied

- EN 14121 Safety of machinery: risk assessment
- EN 12100-1/2 Safety of machinery: main concept, general principles of planning
- EN 13857 Safety of machinery: safety distances to prevent danger zones being reached by the upper and lower

13. Noise

The sound emission of the machine has been measured and the constant equivalent acoustic pressure level weighted A is lower than 70 dB (A).

14. Maintenance

The maintenance and the repair must be carried out only by qualified and authorized personnel. All the work must be done only when the machine is in safety conditions.

14.1 Ordinary maintenance

Being the kind of machine and the care in its construction, the maintenance is really reduced at least and it consist of:

- periodic cleaning of the machine only with neutral detergent;
- lubrication of transmission components.

14.2 Extraordinary maintenance

Extraordinary maintenance means all the operations that can be done only by Fattori Safest qualified personnel or authorized by it.

Considered as extraordinary maintenance:

- the removal of paper or paper dust in the gears and in the reduction group;
- the internal cleaning of the machine dust, grease or foreign bodies;
- the control of the electrical connections and of cable ties;
- the verification of the functionality of the safety devices.

15. Contacts and useful addresses

For any request of maintenance or technical operation take the reference below:

16. Declaration of Conformity

The Fattori Safest Srl with registered offices in Milan, Via Alessandria 4, declares that:
the electric marking machine T2E/M

year of construction 2017

complies with the requirements of Directive 2006/42/EC and other Community Directives applicable to it.

Harmonized technical rules have also been applied:

- EN 14121 Safety of machinery: risk assessment
- EN 12100-1/2 Safety of machinery: main concept, general principles of planning
- EN 13857 Safety of machinery: safety distances to prevent danger zones being reached by the upper and lower limbs
- EN 60204 – 1 Safety of machinery: protection of electrical devices