



# MLTC-40 PRESS

OPERATION'S MANUAL



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## GENERAL SAFETY INSTRUCTIONS

**WARNING:** To reduce the risk of injury, read all instructions properly. Failure to follow the instructions listed below can cause electric shock, fire, serious injuries, mutilation and/or damage to the equipment.

### A. SAFETY IN THE WORK AREA.

- \* Keep the work area clean and lit. Crowded or dark areas lead to accidents.
- \* Do not operate the equipment without first checking all gas connections with soapy water, to ensure that there are no leaks that could cause an explosion.
- \* Keep children, customers and non-company personnel away from the electrical and mechanical operation area of the equipment.
- \* It is recommended to have a minimum space of one meter or three feet around the machine for safety measure and to optimize work.

### B. ELECTRICAL SAFETY.

- \* Machinery connections must be adapted to the power outlets.
- \* Do not use adapters for the switches: since you run the risk of receiving an electric shock.
- \* Do not expose the switches and / or electrical connections to rain or humidity. If water enters these elements, there is a risk that they will break down or suffer an electric shock.
- \* Use cable in a single piece, if there are joints in the connections these can produce a short circuit.
- \* Do not expose cables or electrical connections to heat, oil, sharp edges, or moving parts, as damaged cables can cause electric shock or short circuit.

### C. PERSONAL SAFETY

- \* Do not operate the equipment if you are tired, under the influence of alcohol or drugs.
- \* Wear appropriate clothing, do not wear loose clothing, or necklaces, earrings, watches, if you have long hair wear a tie to keep it up.
- \* Do not climb on the structure of the machine for any reason, falls or injuries may occur.
- \* Avoid using headphones, cell phones or any other equipment that works as a distraction to the operator.
- \* Make correct use of personal protective equipment if any maintenance is to be carried out on the machine.
- \* If any change is made to the model or component of the equipment, be it electrical, mechanical or gas related, it must be de-energized, cut off the gas supply and stop the machine completely to avoid accidents.
- \* Keep limbs away from all moving parts.

## CAUTION

The following symbols indicate the safety measures that must be taken before and after starting up the equipment.



**HOT HAZARD** Some parts of the machine are hot while in operation.



**CRUSHING HAZARD** Keep hands away from the cam press when be in operation.



**ELECTRICAL RISK** In which you can suffer electric shocks, if you do not comply with the electrical safety provisions.



**GEAR RISK** Keep your hands away from the chains and gears of the machine.

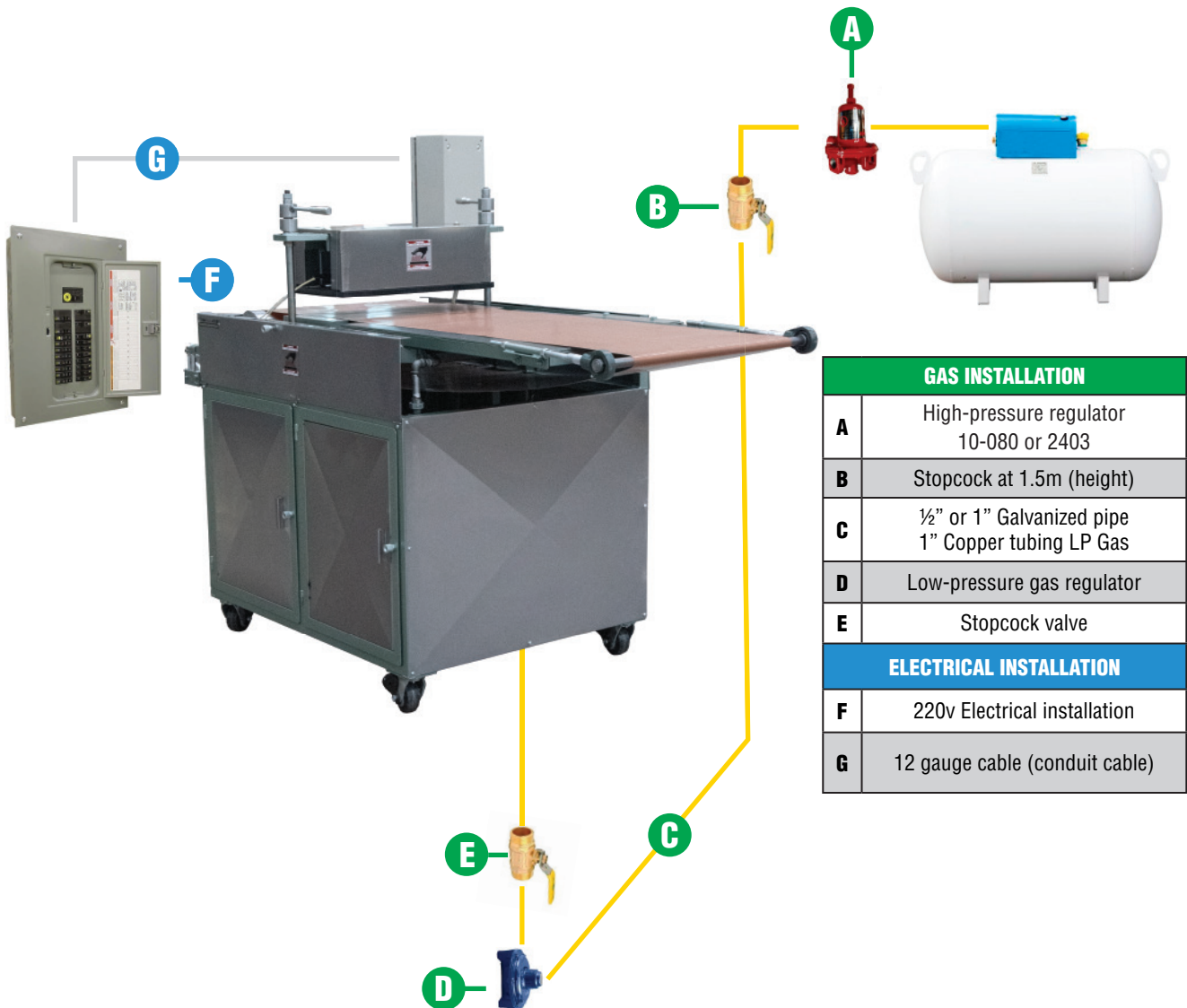


**DO NOT COVER THE BARREL'S AIR INTAKE.** Keep your hands away from the air inlet of the barrel.

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## GAS AND ELECTRICAL INSTALLATION

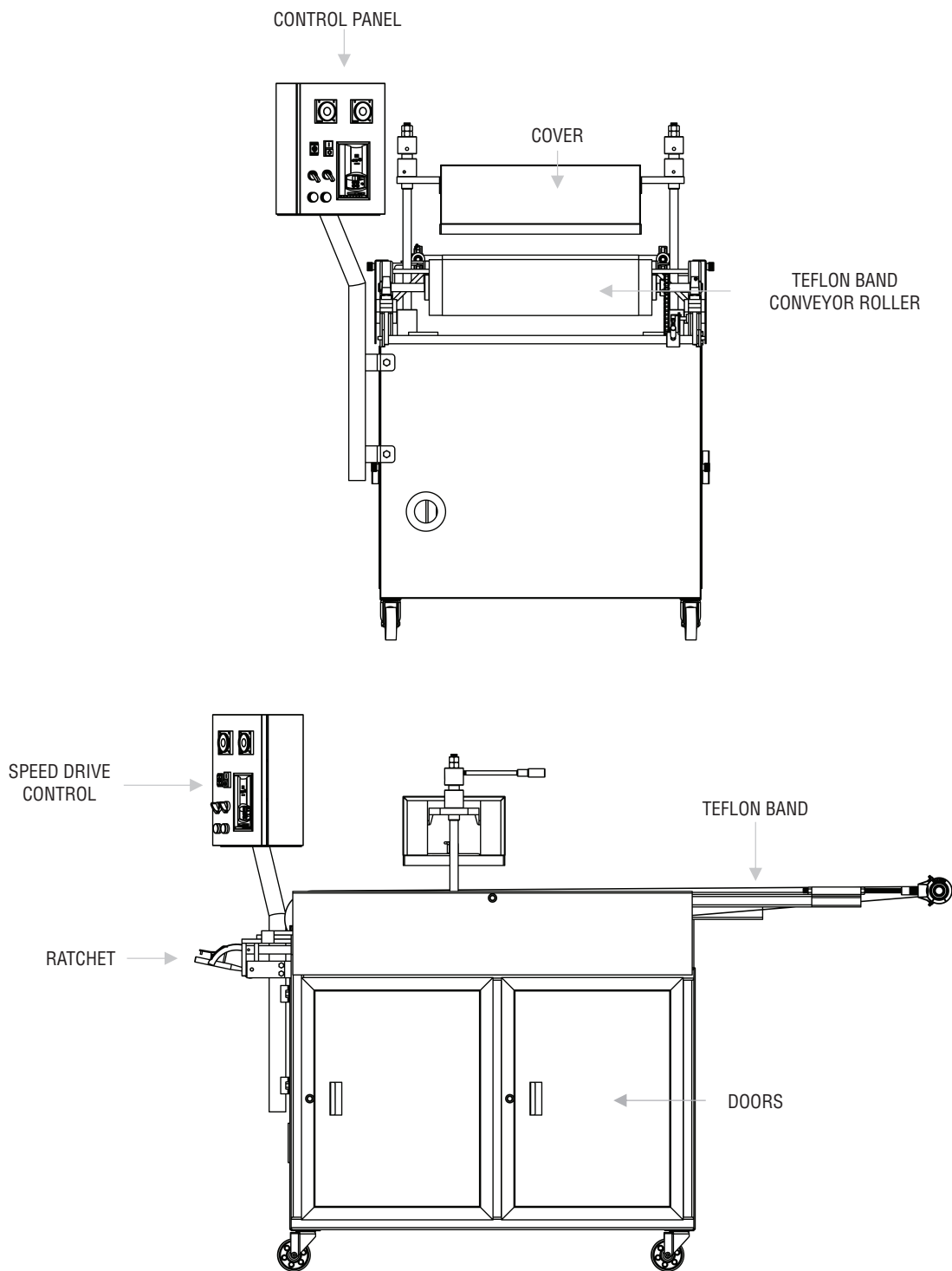
At the outlet of the gas tank, a high-pressure regulator must be installed, with a manometer, to verify the correct supply pressure. The pipe used for the connection is ½" in diameter, either L-type copper or 40-gauge black tube. The length of the pipe should not exceed 10 meters, from the outlet of the gas tank. A union nut must be installed between the stopcock and the low-pressure regulator. Check that the electrical connection is 220v. No short circuits, no loose or bare wires.



GAS INSTALLATION	
<b>A</b>	High-pressure regulator 10-080 or 2403
<b>B</b>	Stopcock at 1.5m (height)
<b>C</b>	½" or 1" Galvanized pipe 1" Copper tubing LP Gas
<b>D</b>	Low-pressure gas regulator
<b>E</b>	Stopcock valve
ELECTRICAL INSTALLATION	
<b>F</b>	220v Electrical installation
<b>G</b>	12 gauge cable (conduit cable)

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## COMPONENTS

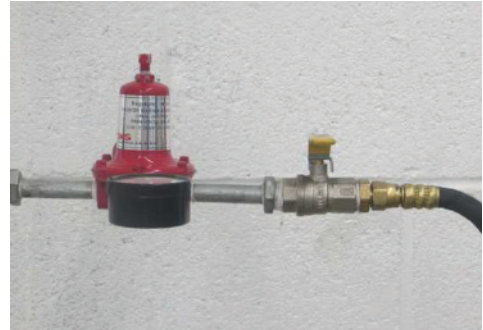


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1

Connect the press to power outlet



2

Connect 3/8" gas outlet with high-pressure regulator 10-080 or 2403



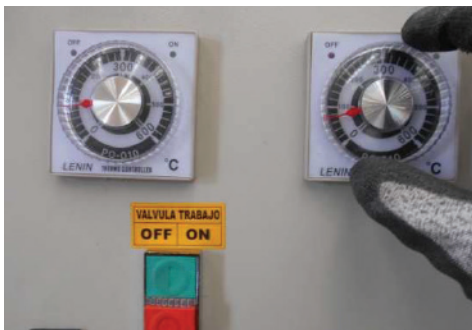
3

Turn on the 2 resistance temperature controls



4

Rotate the left resistance pyrometer to 100°



5

Rotate the right resistance pyrometer to 100°



6

Wait 5 minutes and turn on the speed drive control

Once the resistances reach 100° turn on the working valve and then raise both pyrometers to 160°.



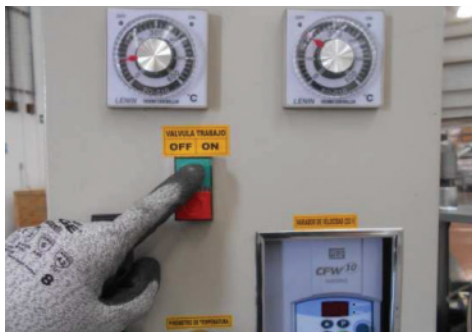
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**7** Regulate the teflon band tension with the ratchet



**8** Press red and green button to turn on. With the arrows you control the speed. DO NOT PRESS THE "P" BUTTON



**9** Turn on the working valve



**10** Open the gas stopcock and turn on the nozzles



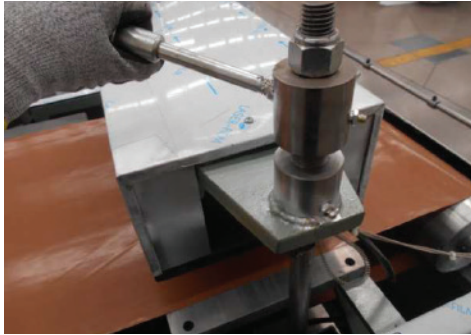
**11** Proceed to carburize until the desired flame is obtained.



**12** Rotate the temperature control 160° on both resistances

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**13** To regulate the thickness of the dough, turn the two levers to lower or raise the plate



**14** If necessary, adjust the uniformity of the dough, turn the interior lock nuts until level.

## GENERAL SAFETY INSTRUCTIONS

**WARNING:** The MLTC-40 Press must be cleaned with the machine completely stopped to avoid accidents such as crushing.

## CLEANING OF THE MLTC 40 PRESS

1. Remove excess dough on the upper plate.
2. Clean the plate with water, moistening a cloth and gently wiping the plate.
3. Carry out this action until the plate is free of any residue of flour or dough.
4. Clean control panel, sides, sheets, motor and keypads.
5. Clean the Teflon band with a damp cloth.

## MAINTENANCE

Clean the machine before and after using it.

The duration of the spare parts will depend on the preventive maintenance and care taken to the machine.

The more frequently this maintenance is done, the parts will have a longer life.

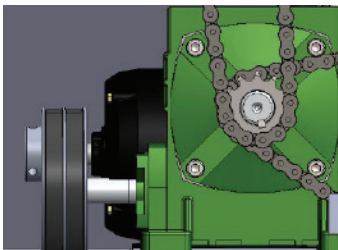
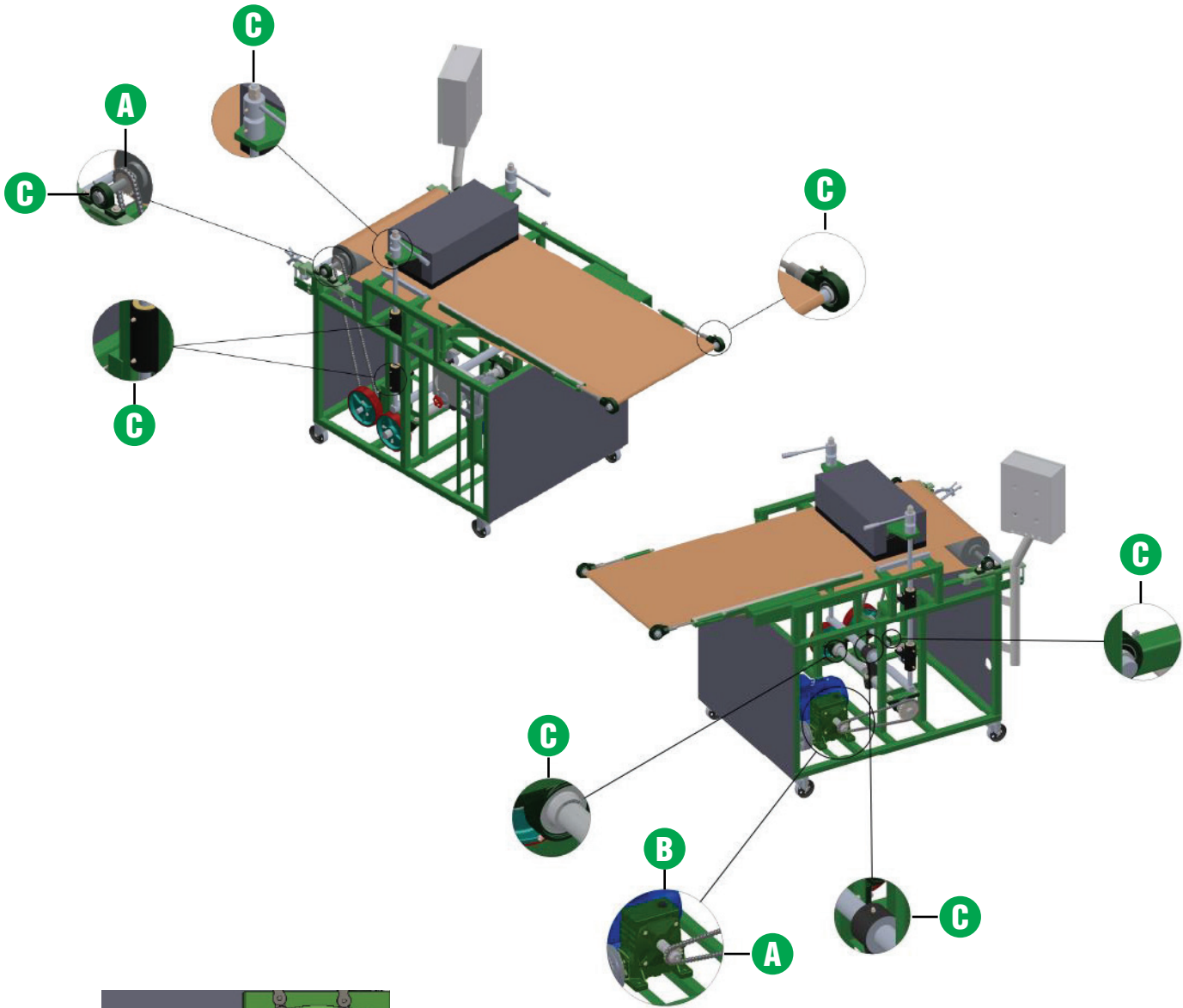
## LUBRICATION

The following table shows the parts, the type of lubricant and the frequency with which the machine and its parts should be lubricated.

PART	LUBRICANT	PERIOD
Chain	SAE 250 Oil	3 times per week
Bearing	BAT 3 Grease	Every 3 days
Gears	SAE 250 Oil	Every week
Reducer	SAE 250 or 80/90 mineral oil	Every 3 monts

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The following figures show the schematic location of the parts that require lubrication.



It is recommended to change the oil every three months. The used oil must be drained and 400ml of new SAE 250 or 80/90 mineral oil must be poured.

The following table shows the type of lubricant to apply in all parts of the machine.

LUBRICANT
A) SAE 250 Oil
B) SAE 250 or 80/90 mineral oil
C) BAT 3 Grease





## **HEADQUARTERS**

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