



## CERTIFIED HOPPER HEAD UNIT

OPERATION'S MANUAL

The total or partial reproduction of this manual  
is prohibited by any means, whether printed or electronic;  
without the prior, express and written authorization of the author.



# **CERTIFIED HOPPER HEAD UNIT**

OPERATION'S MANUAL

---

INDEX

|                                  |    |
|----------------------------------|----|
| GENERAL SAFETY INSTRUCTIONS..... | 4  |
| CAUTION .....                    | 5  |
| ELECTRICAL INSTALLATION .....    | 6  |
| COMPONENTS .....                 | 7  |
| OPERATING INSTRUCTIONS .....     | 8  |
| HOPPER DISASSEMBLY .....         | 10 |
| CLEANING AND MAINTENANCE .....   | 12 |

### 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.
- \* Keep children, customers, and non-company personnel away from the electrical or mechanical operation of the equipment.
- \* It is recommended to have a minimum space of one meter or three feet around the machine for safety measures and to optimize work.

#### B. ELECTRICAL SAFETY.

- \* The connections of the machinery 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 circuits.

#### C. PERSONAL SAFETY.

- \* Do not operate the equipment if you are tired, or under the influence of alcohol or drugs.
- \* Wear appropriate clothing, do not wear loose clothing, necklaces, earrings, or 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 or mechanical related, it must be de-energized 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.



**HOPPER BLADE RISK** Keep hands away from moving blade.



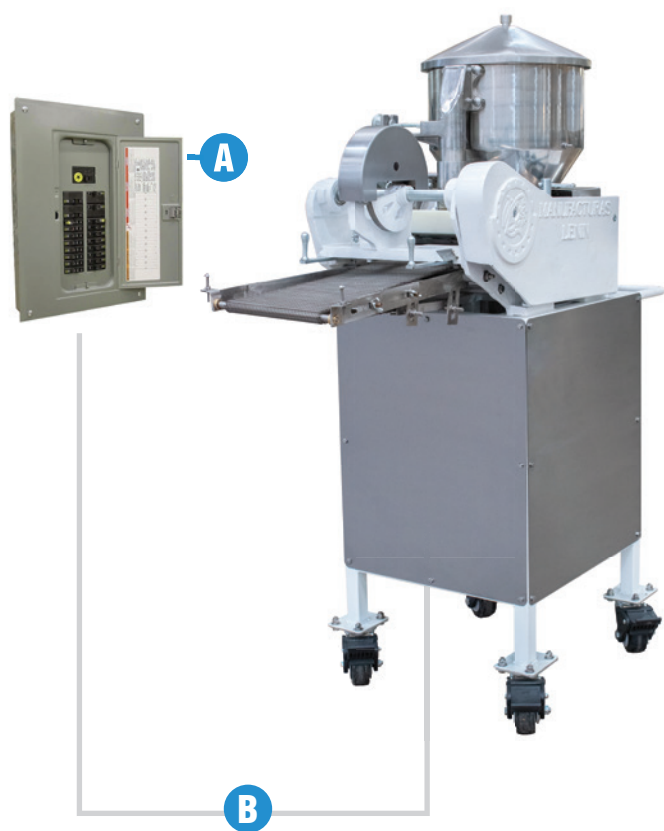
**ELECTRICAL RISK** In which you can suffer electric shocks if you do not comply with the electrical safety provisions.



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

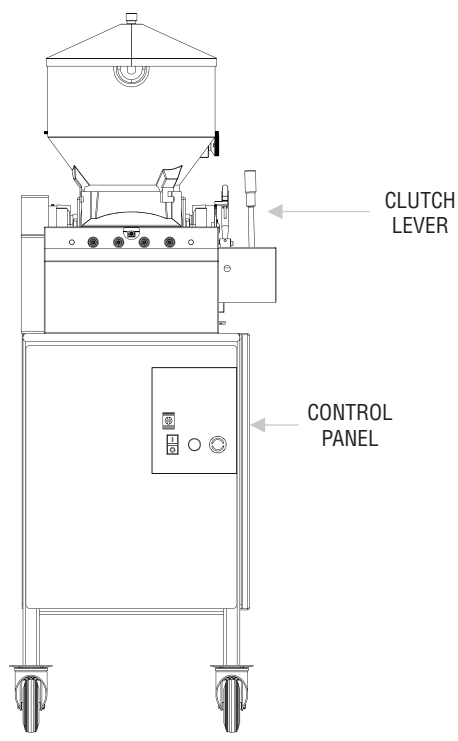
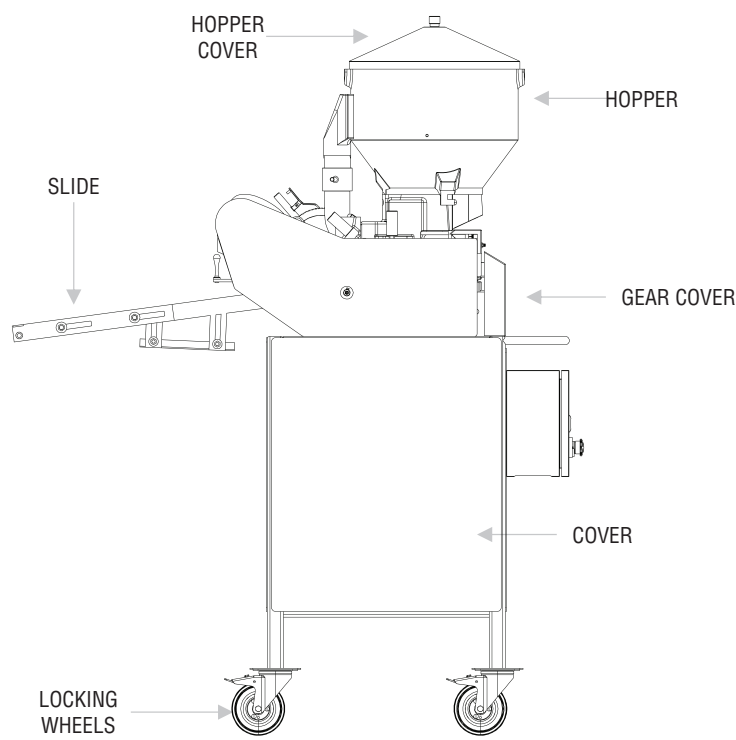
ELECTRICAL INSTALLATION

Verify that the electrical connection is 200v. No short circuits, no loose or bare wires.  
Ensure that all cables are isolated and without contact, and check contactors and switches are in good condition.  
It is recommended to use a 12 gauge cable for the installation of the machine.



| ELECTRICAL INSTALLATION |                                 |
|-------------------------|---------------------------------|
| A                       | 220v electrical installation    |
| B                       | 12 gauge cable (conduit cable). |

COMPONENTS



# CERTIFIED HOPPER HEAD UNIT OPERATION'S MANUAL



**1** | Connect the machine to electrical outlet



**2** | Insert the cutter into the slot



**3** | Remove the cover of the hopper



**4** | Feed the hopper with dough



**5** | Place the cover of the hopper



**6** | Unlock the emergency stop

# CERTIFIED HOPPER HEAD UNIT

## OPERATION'S MANUAL



7

Press motor ON button (green)  
Motor will start and equipment in operation indicator will light up.



8

Raise the clutch lever so that the dough begins to recirculate



9

Tortilla production will begin



10

Adjust the thickness of the tortilla with the ratchet



11

Adjust the roundness of the tortilla with the tab



12

Check shape and thickness of tortilla



**13**

Feed the hopper with dough when necessary

## HOPPER DISASSEMBLY



**A**

Remove the cutter



**B**

Loosen the pressure chamber box knobs



**C**

Lower the coupling and remove the pressure chamber



**D**

Loosen the nut and remove the crossbar rod



- E** Remove the assembled auger by turning counterclockwise and pulling it up.



- F** Loosen the knobs on the frame and remove the hopper



- G** Extract the augers by turning the central ones clockwise and the lateral ones counterclockwise.

## CLEANING PROCEDURE

**WARNING:** Cleaning the base and hopper must be carried out with the machine completely stopped to avoid accidents.

## CLEANING THE HOPPER

1. Remove the dough residue in the hopper by hand.
2. Disassemble hopper (steps A-G)
3. Remove dough from the augers, pressure chamber, base and cutter.
4. Wash components removing all dough residues.
5. Dry components and reinstall them in the head.

## 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

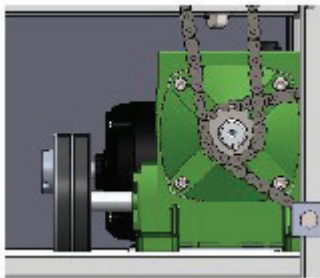
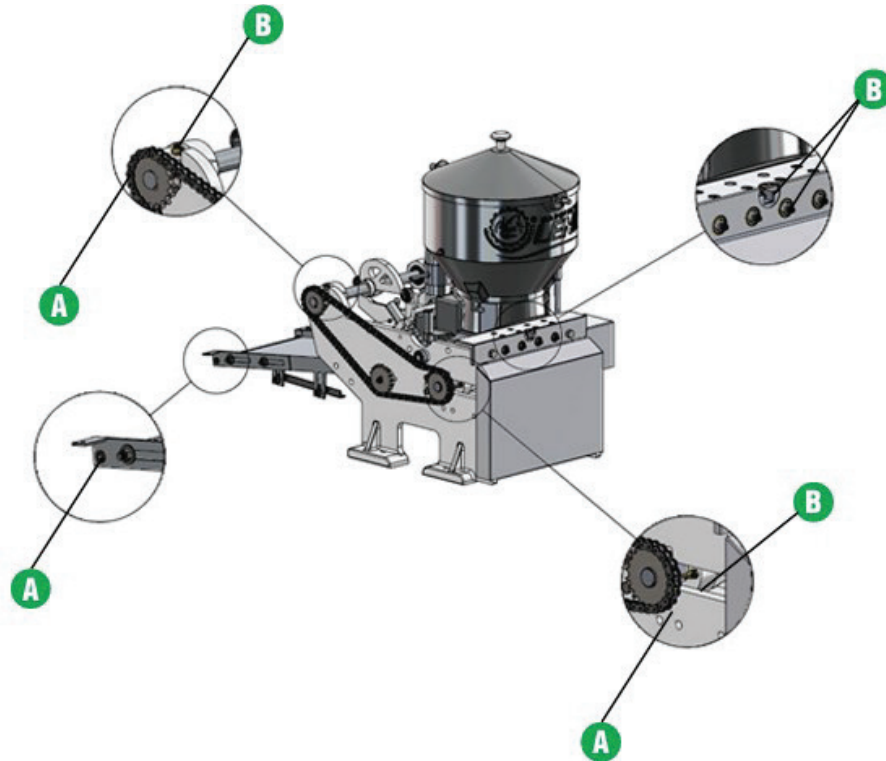
The following table shows the parts, the type of lubricant, and the frequency with which the machines and their parts must be lubricated.

| PART              | LUBRICANT                | PERIOD                                  |
|-------------------|--------------------------|-----------------------------------------|
| Chain and collars | 80/90 Mineral Oil        | 3 times per week                        |
| Reducer           | 400 ml 80/90 Mineral Oil | Every 3 months<br>or 1000 working hours |
| Bearings          | BAT 3 Grease             | Every 3 days                            |
| Gears             | BAT 3 Grease             | Every week                              |

# CERTIFIED HOPPER HEAD UNIT

## OPERATION'S MANUAL

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



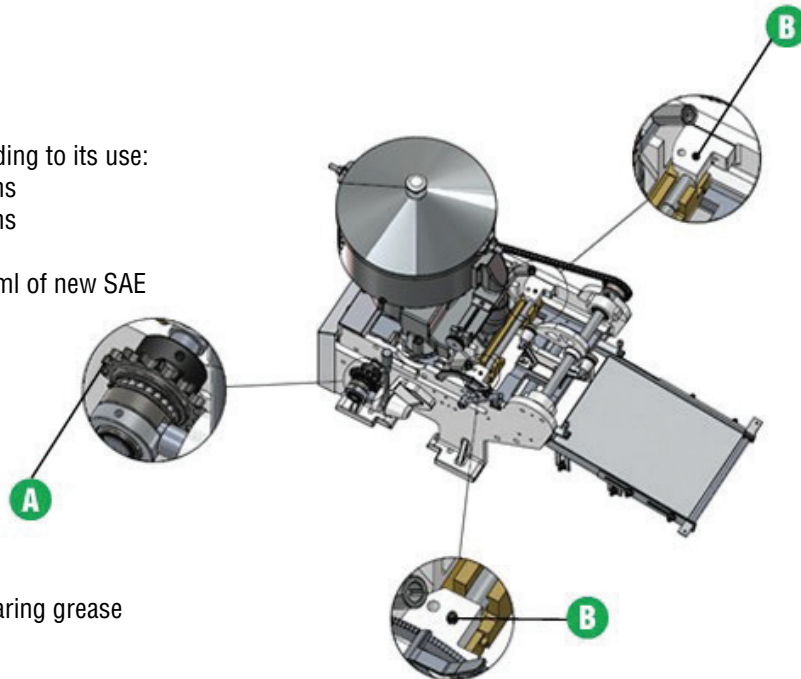
It is recommended to change oil according to its use:  
0-4 hours daily - change every 3 months  
4-8 hours daily - change every 2 months

The used oil must be drained and 400 ml of new SAE 80/90 mineral oil must be added.



| LUBRICANT            |
|----------------------|
| A) BAT 3 grease      |
| B) 80/90 mineral oil |

- A) Inject the lubricant into the bearing grease fitting.  
B) 80/90 mineral oil





## **HEADQUARTERS**

AV. INDUSTRIAS #3655, ZONA INDUSTRIAL  
CP 78395 SAN LUIS POTOSÍ, SLP. MÉXICO



444 127 11 80



444 129 29 79

[info@manufacturaslenin.mx](mailto:info@manufacturaslenin.mx)

[MEXICANTORTILLAMACHINE.COM](http://MEXICANTORTILLAMACHINE.COM)