



COBRA SERIES CARPET CENTRIFUGE DRYING MACHINE



2700/3300/4200/5200
PNEUMATIC AND MANUAL MODELS
USAGE GUIDE



CONTENTS

- 1- PRODUCT INTRODUCTION AND TECHNICAL SPECIFICATIONS
 - 2- TRANSPORT AND INSTALLATION
 - 3- ELECTRICITY
 - 4- COMMISSIONING THE MACHINE, WARNINGS AND PRECAUTIONS
 - 5- OPERATOR
 - 6- MAINTENANCE
 - 7- COVER ADJUSTMENT
 - 8- SERVICE
 - 9- DRYING CAPACITY
-



COBRA 2700 (Ø38)

Voltage: 380 V
Frequency: 50 Hz
Maximum Power: 4 kW
Dimensions: 1520 × 3200 × 1650 mm
Weight: 650 kg

COBRA 3300 (Ø42)

Voltage: 380 V
Frequency: 50 Hz
Maximum Power: 7.5 kW
Dimensions: 1520 × 3850 × 1650 mm
Weight: 800 kg

COBRA 4200 (Ø42)

Voltage: 380 V
Frequency: 50 Hz
Maximum Power: 11 kW
Dimensions: 1520 × 4850 × 1650 mm
Weight: 1000 kg

COBRA 4200 (Ø48)

Voltage: 380 V
Frequency: 50 Hz
Maximum Power: 11 kW
Dimensions: 1520 × 4850 × 1650 mm
Weight: 1000 kg

COBRA 5200 (Ø48)

Voltage: 380 V
Frequency: 50 Hz
Maximum Power: 15 kW
Dimensions: 1520 × 5850 × 1650 mm
Weight: 1200 kg



2- CARRYING AND PLACEMENT

2.1 CARRYING

The machine must be transported to the installation area using a forklift or crane. The carpet transport trolley and wetting basin must also be transported separately. All necessary safety precautions must be taken during the transportation process. The machine must be transported in its working position. Damage occurring during transportation is not covered under warranty.

2.2- PLACEMENT

The machine must be placed on a level surface. The operating environment must be comfortable for the operator. All occupational health and safety measures must be taken.



3 - ELECTRIC

Additional grounding measures must be taken for the machine chassis, and the necessary grounding measurement must be performed.

All malfunctions, damages, and risks that may arise due to the failure to perform this measurement are the responsibility of the user and are not covered by the warranty.

The power supply to the machine must be of the appropriate phase and voltage and installed in accordance with standards.

If your machine is far from the control panel, the portable cable used for connection must be of the appropriate cross-section, new, and in good condition.

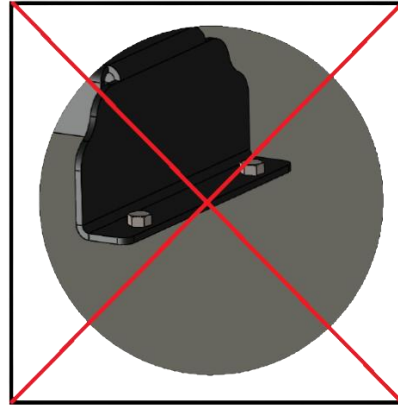
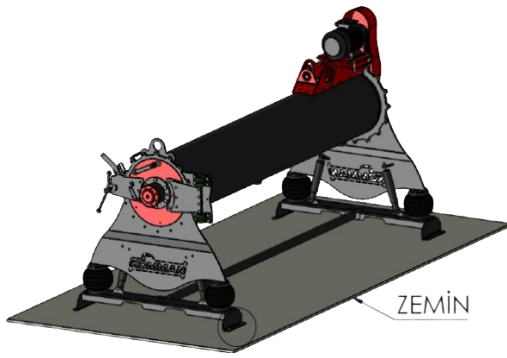
Before applying electrical current to the machine, the switch, cable, and connections must be checked.

If there is any damage, the machine should not be operated until it is repaired. During initial operation and while running;
in cases such as motor overheating, failure to reach full speed,
reverse rotation direction,
the switch must be turned off and the necessary checks must be performed by a specialist.

Malfunctions caused by connection errors and electrical fluctuations are not covered by the warranty.

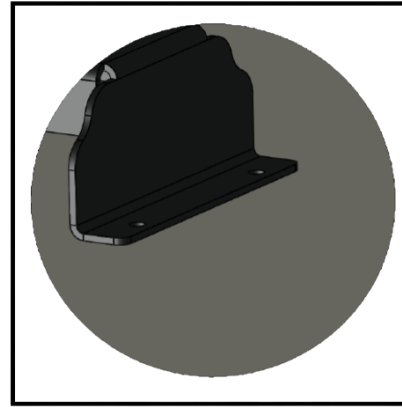
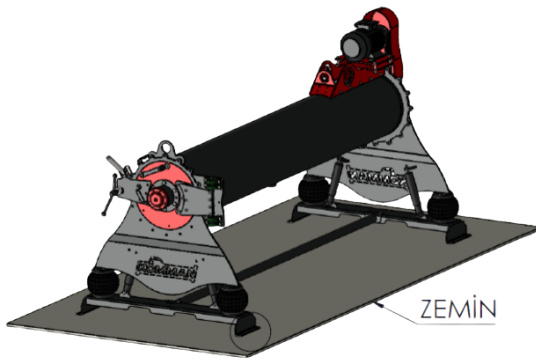
The electrical installation to the machine must comply with current safety and electrical standards.

ILLUSTRATED INSTRUCTIONS FOR PLACING THE MACHINE ON THE GROUND



DETAY GÖRÜNÜM

Figure 1.a. Incorrect placement of the machine on the ground.



DETAY GÖRÜNÜM

Figure 1.a. Correct placement of the machine on the ground.

4 - MACHINE COMMISSIONING, WARNINGS, PRECAUTIONS AND WASHING



4.1 COMMISSIONING THE MACHINE, WARNINGS AND PRECAUTIONS

The machine should only be used after all necessary conditions have been met in the environment.

The user manual should be read carefully before using the machine.

It is recommended not to exceed the machine's operating capacity.

The machine should be used and maintained by authorized personnel.

In case of very intensive use of the machine, it should be rested for half an hour after every four hours of operation.

Otherwise, all damages that may occur are entirely the responsibility of the user.

Carpet wringing machines should be operated with balanced loading.

The carpet should be placed in the machine in the correct direction, centered from the front and back.

(See: Figure 2a, Figure 2b, Figure 2c, Figure 2d).

The carpet should be brought closer to the machine using a carpet transport trolley and placed so that it is perfectly centered inside the machine.

Placing the carpet in the wrong direction or unevenly inside the machine will cause the machine to operate with abnormal noises, jump, and the carpet to not stay in place.

If such a situation occurs, the machine should be stopped and not forced to operate.

Ensure that the machine lid is completely closed.

The machine lid should never be opened before the motor has completely stopped.

The carpet spinning time is set using the time relay located on the control panel.

After completing all the above steps, the machine is ready for the spinning process.

Do not spin more than one carpet at the same time in the machine.

All malfunctions and damages resulting from this type of use are outside the scope of the warranty.



4.1 - WRINGING

To start the spinning process on the machine, which is ready to be operated, the motor is started by pressing the green button on the control panel. The machine then waits for the time set by the time relay to elapse.

4.2 - SECURITY PRECAUTIONS

The operator is responsible for all necessary safety precautions in the environment where the machine will operate.

The operator must ensure that there are no electrical leaks or similar risks in the environment where the machine is operating.

SCHEMATIC REPRESENTATION OF CARPET PLACEMENT IN THE CARPET SPINNING MACHINE

The schematic representation of the correct placement of the carpet inside the machine when the machine is operating in the counter-clockwise direction is shown in Figure 2a, and the schematic representation of the incorrect placement is shown in Figure 2b. The centering of the carpet inside the machine is shown in Figure 2c. All malfunctions and damages resulting from non-compliance with the machine usage instructions shown in the figures are outside the scope of the warranty.



Machine's Spin Rotation



Figure.2a Correct Placement

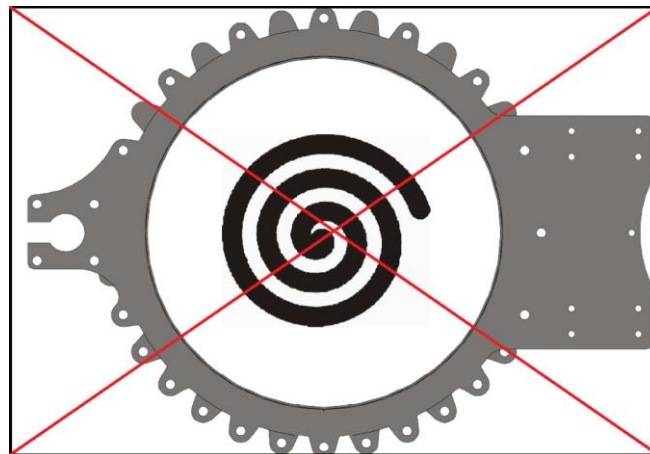


Figure.2b Incorrect Placement

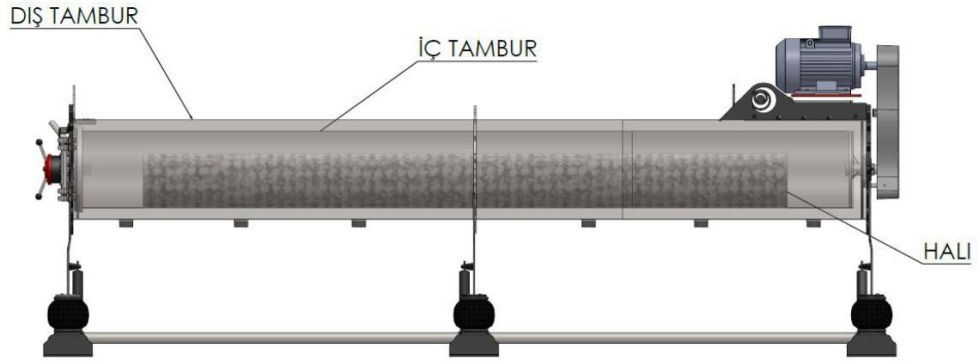


Figure.2c Centering the carpet in the machine

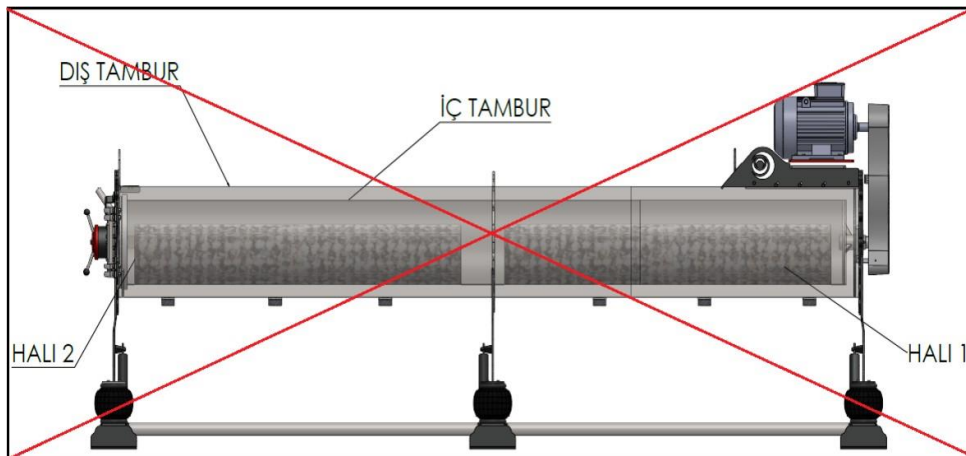


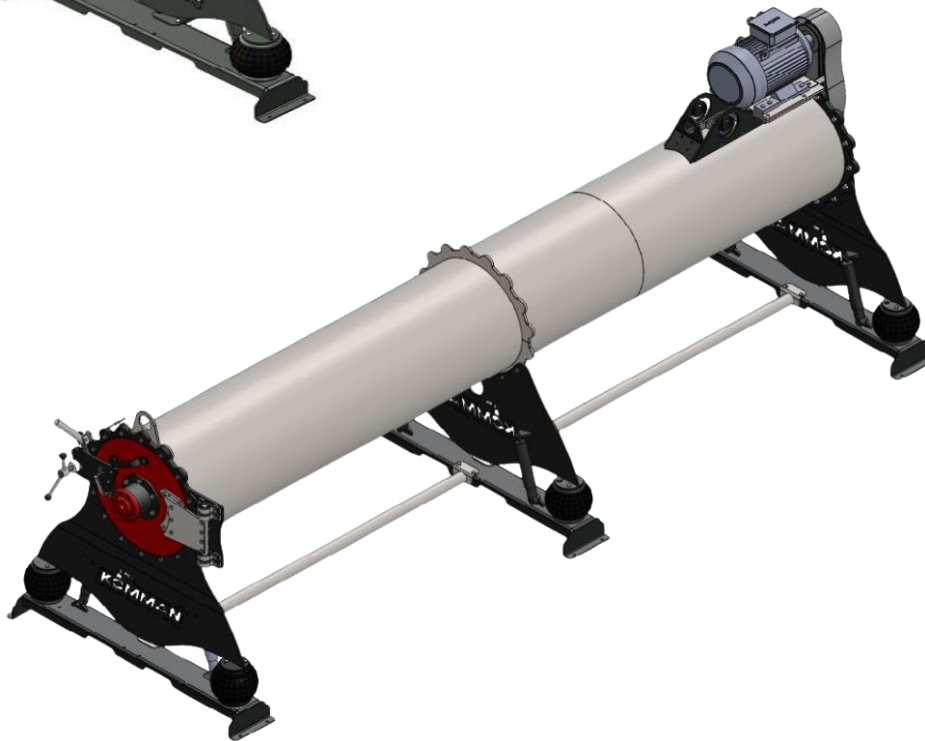
Figure.2d Multiple carpets can be placed inside the machine

Do not wring out more than one carpet at the same time in the machine.

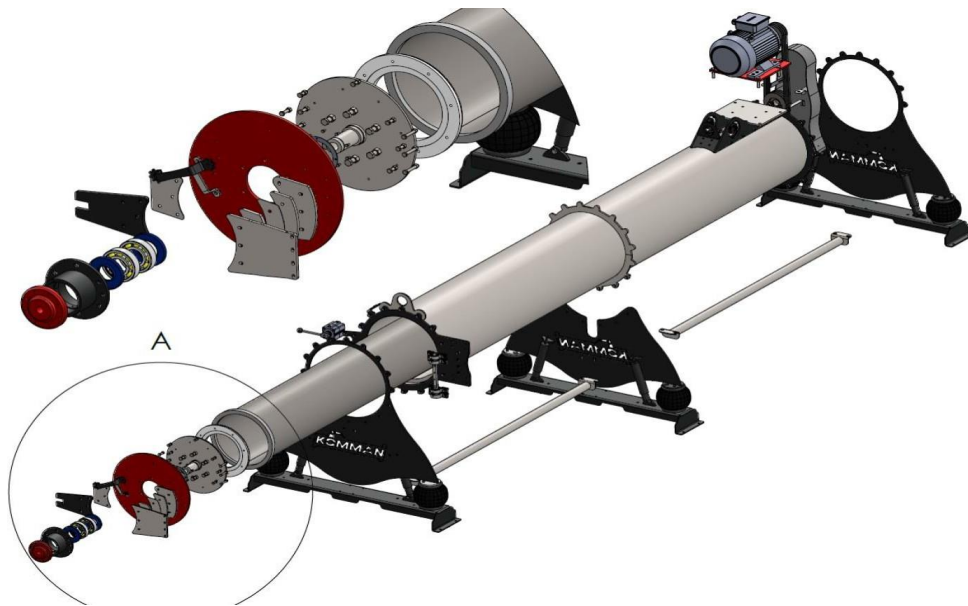
Faults resulting from this are not covered under warranty.



COBRA SERIES GENERAL VIEW



COBRA SERIES DETAILED VIEW



SCREEN BOX BUTTONS AND THEIR FUNCTIONS



STOP BUTTON
THIS IS THE BUTTON USED
TO STOP THE MACHINE



START BUTTON
THIS IS THE BUTTON USED TO
TURN ON THE MACHINE



TIME RELAY

THIS BUTTON IS USED TO ADJUST THE SPINNING TIME OF THE MACHINE.



WARNING LIGHT

THIS IS A LAMP THAT SHOWS WHETHER THE MACHINE IS IN WORKING CONDITION OR NOT.



6 - OPERATOR

REGARDING MACHINE OPERATION, THE PERSON OR PERSONS WHO WILL BE USING THE MACHINE SHOULD BE GIVEN THE NECESSARY INFORMATION ON HOW TO USE IT.

7 - BAKIM

ALL ELECTRICAL CONNECTIONS TO THE MACHINE MUST BE DISCONNECTED BEFORE STARTING MAINTENANCE.

MAINTENANCE OF THE MACHINE MUST BE PERFORMED BY AUTHORIZED PERSON(S). CARE MUST BE TAKEN TO ENSURE THAT THE BEARINGS ARE LUBRICATED CORRECTLY AND ON TIME.

AFTER EVERY MINIMUM OF 240 HOURS OF USE, THE BEARINGS MUST BE LUBRICATED WITH WATERPROOF RUBBER GREASE.

(BKZ: ŞEKİL 4 VE ŞEKİL 5).

8- LID SETTINGS

Due to the unstable operation of the machine, the cover adjustments may change over time.

The operator can adjust the cover himself/herself using the bolts shown in Figures 3A and 3B.

If the cover has fallen down;

Loose the three bolts on the flange connecting the cover to the hinge, lift the cover up, and then tighten the bolts again. If the cover has shifted to the right or left;

Loose the bolts on the bearings,

Adjust the cover by sliding it to the right or left.

ONCE THE COVER IS IN THE DESIRED POSITION, THE BOLTS ARE TIGHTENED.

(SEE: FIGURE 3A VE FIGURE 3B).

THE KESTAMIDE AND O-RINGS IN THE COVER SHOULD BE CHECKED AND REPLACED IF SIGNS OF WEAR HAVE OCCURRED.



9- SERVICE

THE DETERMINING FACTOR IN SERVICE IS THE CONTRACT MADE WITH THE BUYER.

SERVICE IS PROVIDED BY KOMMAN MAKİNA OR BY SERVICE CENTERS AUTHORIZED BY KOMMAN MAKİNA.

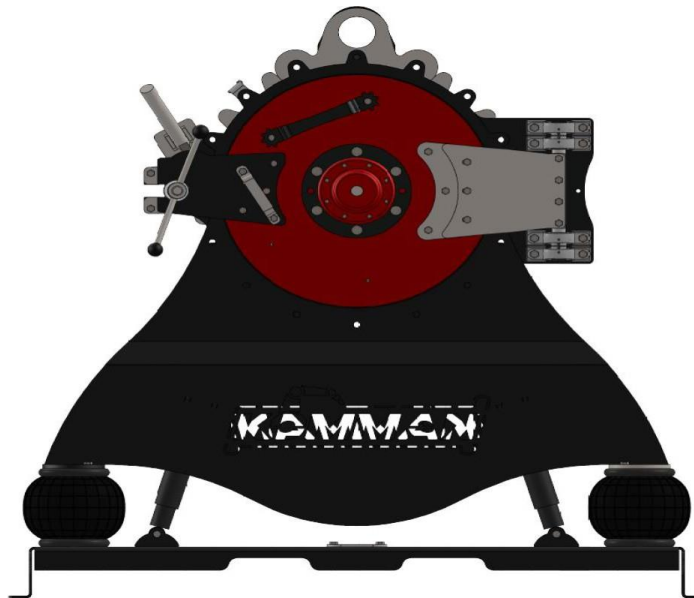
MAINTENANCE AND SERVICE OPERATIONS FOR ALL MACHINES NOT COVERED BY WARRANTY OR WHOSE WARRANTY PERIOD HAS EXPIRED ARE PERFORMED FOR A FEE.

IF THE MACHINE IS NOT UNDER WARRANTY, A SEPARATE SERVICE TRANSPORTATION FEE WILL BE CHARGED.

10- DRYING CAPACITY

KOBRA SERIES CARPET SPINNING MACHINES HAVE AN AVERAGE CARPET SPINNING CAPACITY OF 120 M² PER HOUR.

DETAILED EXPLANATION OF COVER SETTINGS



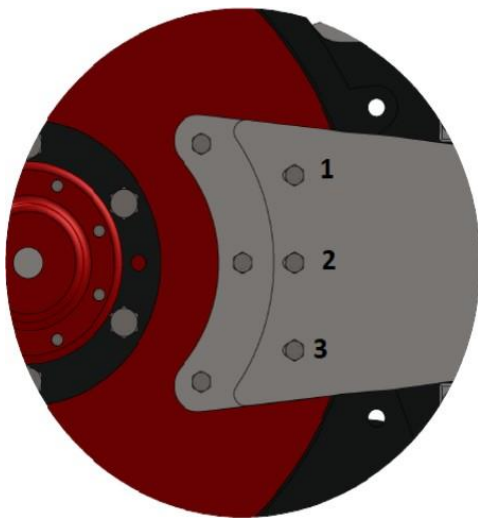


FIGURE.3A WHAT TO DO IF
THE LID FALLS
DOWN

IF THE MACHINE
COVER HAS FALLEN
DOWN, LOOSEN THE
BOLTS NUMBERED
ON THE

DETAILED VIEW.
ADJUST THE
COVER'S POSITION
AND TIGHTEN THE
BOLTS.

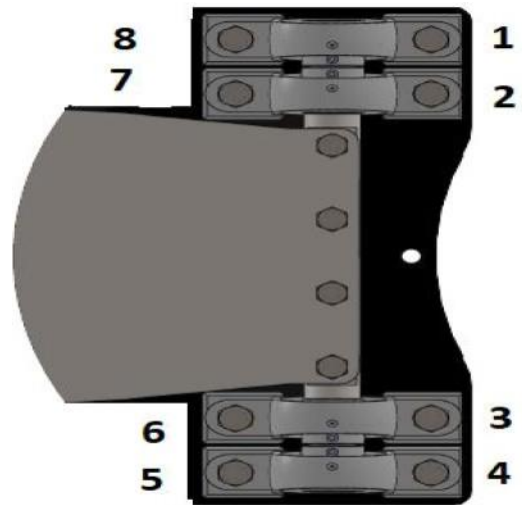
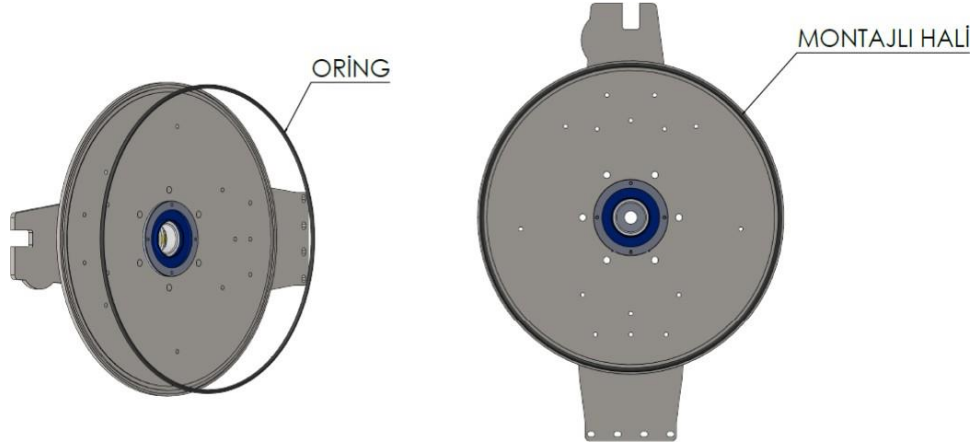


FIGURE.3B WHAT TO DO IF
THE COVER SHIFTS LEFT OR
RIGHT

THIS IS A CASE
IF THE MACHINE COVER IS
SHIFTED TO THE RIGHT OR
LEFT, THE BOLTS NUMBERED IN
THE DETAILED VIEW ARE
LOOSENED. THE COVER IS
BROUGHT TO THE DESIRED
POSITION AND THE BOLTS ARE
TIGHTENED.



ŞEKİL 4. O-RING REPLACEMENT

O-rings are round (O-shaped) elements used as mechanical sealing elements. O-rings, which have a wear characteristic with use, should be checked regularly.

If wear occurs,

O-rings will lose their sealing property and will cause the machine to operate noisily.

If an O-ring is worn,

what needs to be done is to remove the O-ring from where it is installed using a screwdriver, etc., and replace it with a new O-ring.

WHEN A NEW O-RING IS INSTALLED, IT MUST BE SANDED TO FIT SMOOTHLY INTO THE INNER DRUM.

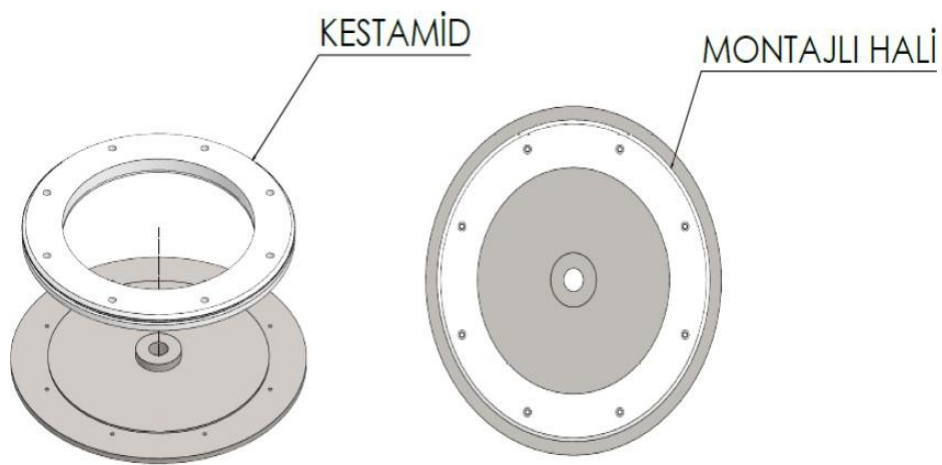


FIGURE.5

KESTAMIDE

REPLACEMENT

KESTAMIDE IS USED AS A BEARING ELEMENT IN THIS MACHINE. THEY ARE SUBJECT TO WEAR DURING LONG-TERM USE. THEREFORE, KESTAMIDES MUST BE CHECKED AND, IF WORN, THE WORN KESTAMIDE MUST BE REMOVED AND REPLACED WITH A NEW ONE.



WARNING SIGNS



DO NOT INTERFERE WITH THE MOTOR CABLE CONNECTION AREAS UNTIL THE CONTROL PANEL IS COMPLETELY CLOSED.





WARNING SIGNS



THE MACHINE COVER MUST NOT BE OPENED BEFORE THE MACHINE IS COMPLETELY STOPPED. ATTEMPTING TO OPEN THE COVER MAY CAUSE SERIOUS INJURY.

WARNING SIGNS



**Dönen
Parçalar**



**Elin
Sıkışma
Tehlikesi**



**Makineye
Sarılma
Riski**



**Kesilme
Tehlikesi**



**Bol
Kıyafet
Giyme**



**Eldiven
Takma**



**Saç
Açık Bırakma**



**Daran
Kıyafet Giy**



**Dar
Kıyafet Giy**



**Saç Koruması
Kullan**



**Yalnızca Uygun
Eldiven**



WARNING SIGNS



Rotating parts



Crushing of hand



Do not wear loose clothing



Long hair must be protected



Entanglement



No gloves



Wear tight fitting clothing



Wear hair protection



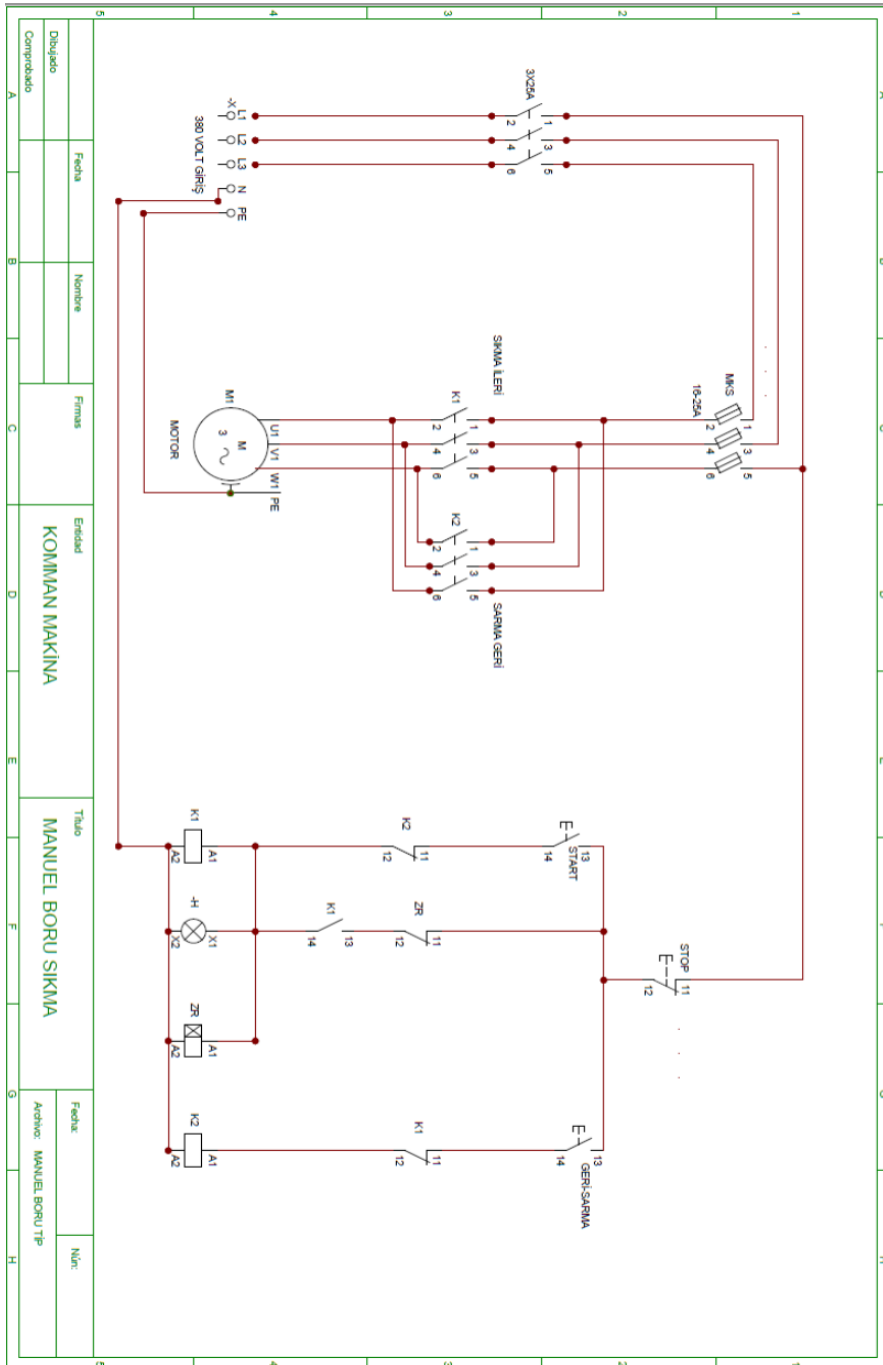
Do not reach-finting clothing

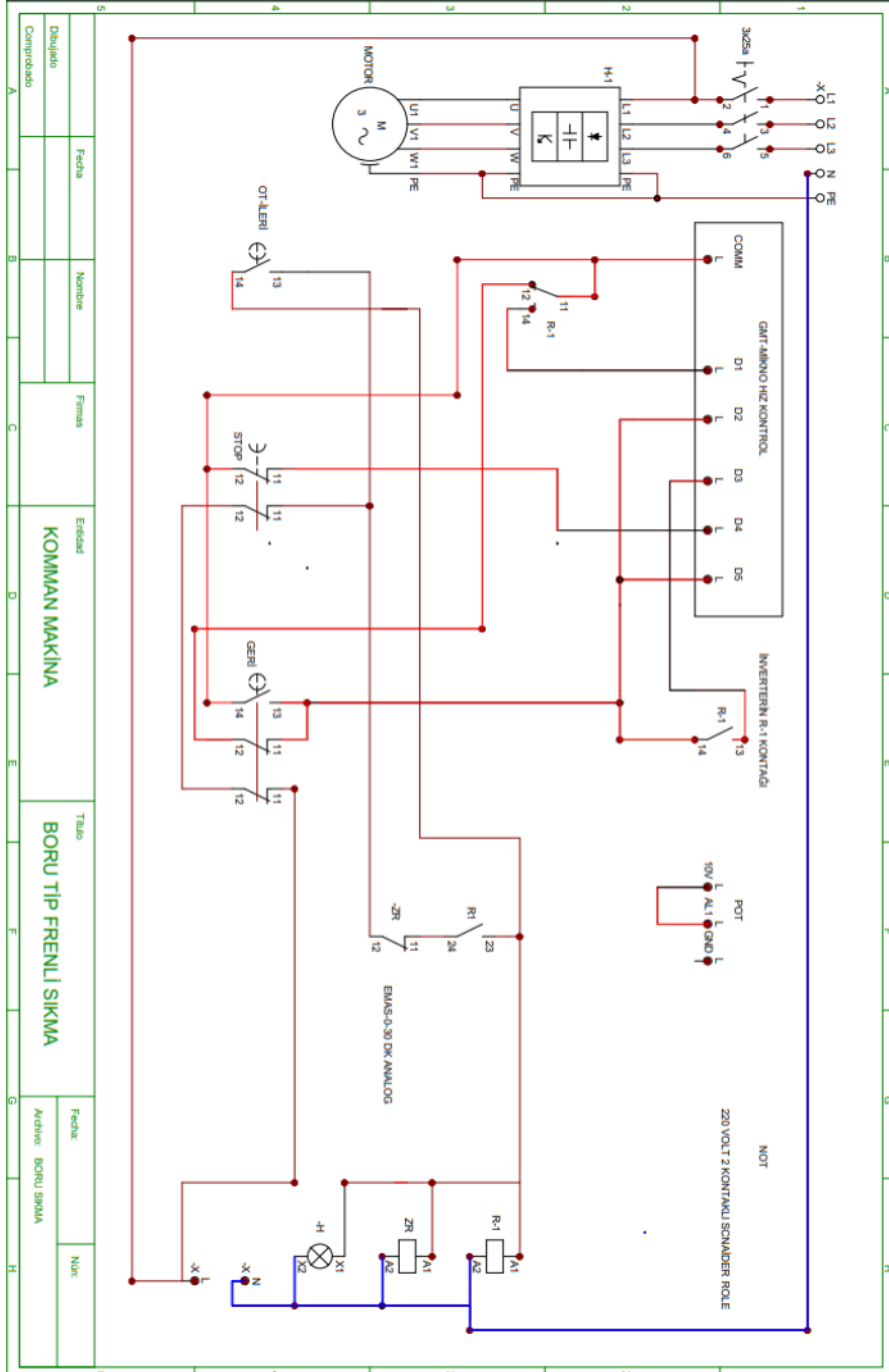


Do not reach into moving machinery



EELCTRONIC CIRCUIT DIAGRAMS





| | | | | | | | |
|------------|-------|--------|---------|----------------------|------------------------------|---------------------|------|
| Disajido | Fecha | Nombre | Empresa | Estado | Tubo | Fecha: | N.º: |
| Completado | | | | KOMMAN MAKINA | BORU TIP FRENLI SIKMA | Archivo: BORU SIKMA | |