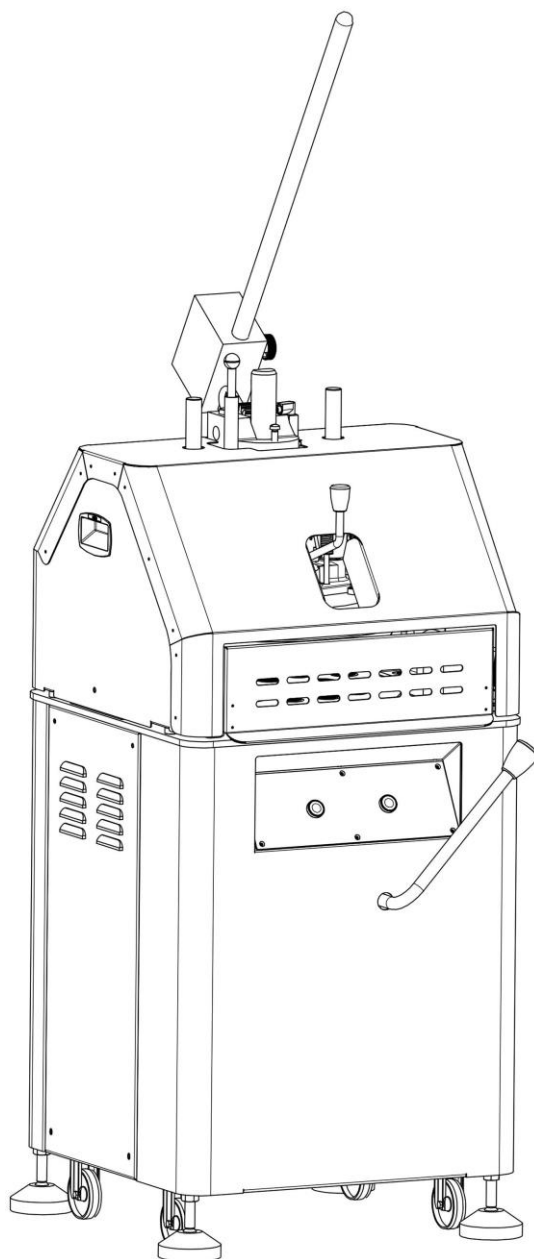


MANUAL DOUGH DIVIDER-ROUNDER

S15-22-30-30S-36-52



USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

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1.00 GENERAL INFORMATION

1.01 GENERAL PRECAUTIONS AND INTENDED USE



WARNING

The user must read and understand the contents of this manual before starting any operation.

The goal of this booklet is to:

- Facilitate comprehension and operation of the machine in order to take advantage of all the technical features it offers.
- To help to carry out the most efficient and rational machine's maintenance and to facilitate the understanding of possible functioning anomalies and their remedies.
- Warn against risks inherent in use of the machine when operators fail to comply with safety regulations.
- Indicate operating limits for safeguarding hygiene and environmental conditions and for worksite health.

The information contained in this use and maintenance manual must be the subject of specific training for the operators who will use the machine. All pages must be read with the utmost care and understood before the machine is commissioned.

After having read this manual, it is the responsibility of the purchaser to communicate to anyone who comes into direct or indirect contact with the machine, the instructions and measures for operating the machine under safe conditions.

The operator must be suitable to use average-complex machines and be capable of reading and understanding the instructions contained in this manual. The manufacturer declines all responsibility for damage to persons or things caused by failure to comply with the safety instructions contained in this manual or reported on the machine itself.

This manual is part of the machine itself. Always keep the manual together with the machine in order to be able to consult it when necessary until the dismantling of the machine itself.

The manufacturer is not responsible for the suitability of the installation site and for the arrangement of the connection terminals. This document contains all necessary information for the correct installation of the machine.

As for the arrangement of the connection and of the services necessary for the correct installation of the machine and to make sure you operate in conformity with local rules and laws, we suggest to resort to a professional technician.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

1.01.01 INTENDED USE

The Dough divider has been designed to break and round portions of dough in the quantities established in the technical data. The dough is weighed, left to rest in bowls, laid on the plate, pressed, broken into equal parts and finally rounded quickly.

The machine is suitable for working bread, pizza and flour-based doughs.

To operate this machine it is necessary to have the qualifications of a baker, pastry chef or pizza maker. The machine is therefore intended for qualified personnel and must not be placed in places open to everyone.

The Dough divider – rounding machine must be placed in environments suitable for gastronomic activities and it must be used by a single operator for the processing of bakery, pastry and pizzeria products. The machine must be used only for the purpose for which it was designed. Any other use is considered improper and unreasonable.

The manufacturer cannot be held liable for any damage resulting from improper, incorrect and unreasonable use, such as, for instance:

- unauthorised changes or interventions;
- failure to observe the instructions supplied.



WARNING

Irreparable damage may arise if the machine is used for purposes other than those for which it is designed.

The machine processes finely ground organic products (flour), the user must always check the level of danger of the products being processed.

1.01.02 WARNINGI

This machine has been constructed in conformity with EC declaration of conformity. The rules and recommendations dictated by experience and practice defined by the state of the art have also been applied.

Follow these instructions with care:

- Never intervene in the machine's work areas when the machine is working.
- Pay careful attention to maintenance and cleaning instructions and recommendations for safe work.
- The operators assigned to operate the machine must be made aware of their responsibilities to operate in a safe manner, and the machine must be used according to the manufacturer's intended purposes.
- The employer must make sure that this use and maintenance manual is read with care and properly understood by all people in charge of using the machine.
- Any part-time or temporary personnel must be specially trained on the correct operation and use of the machine, with particular reference to the safety devices on the machine and their function.
- Do not operate under the influence of alcohol, drugs or medication that can alter physical conditions.
- Keep hair and other body parts away from rotating parts, belts and gears
- Keep the labels that indicate danger and those with safety data clean and in order.

USE AND MAINTENANCE MANUAL

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1.02 CE DECLARATION OF CONFORMITY

DECLARATION OF CONFORMITY DECLARATION DE CONFORMITE ÜBEREINSTIMMUNGSERKLÄRUNG DECLARACIÓN DE CONFORMIDAD

Macchina/Machine/Machine/Maschine/Máquina:

Manual dough divider-rounder

Modello/Model/Modèle/Typ/Modelo:

S15-22-30-30S-36-52

Matricola/Serial Number/Numéro/Nummern/
Number:

Noi/Nous/We/Wir/Nosotros

Applicare ragione sociale ed indirizzo completo del fabbricante
e, se del caso, del suo mandatario

(IT) Dichiariamo sotto la nostra esclusiva responsabilità che il prodotto sopra descritto (macchina, modello, matricola) è conforme alle disposizioni di cui alle seguenti direttive e decreti nazionali che le recepiscono:

(GB) We declare under our responsibility that the item here above listed (machine, code, model, serial number) is in conformity with the following regulations and the corresponding standards:

(FR) Nous déclarons sous notre exclusive responsabilité que la machine ci-dessus désignée (machine, code, modèle, matricule) est conforme aux dispositions des suivantes règles de la Directive et aux décret nationaux :

(DE) Wir erklären auf unsere ausschließliche Verantwortung, dass das oben beschriebene Produkt (Maschine, Modell, Nummer) den Bestimmungen der folgenden Richtlinien und der Landesverordnungen gemäß ist

(ES) Declaramos bajo nuestra exclusiva responsabilidad que el producto descrito arriba (máquina, código, modelo, numerod de serie) cumple con lo dispuesto en las siguientes directivas, decretos nacionales que las implementan:

- Direttiva/Directive/Directive/Richtlinie/Directivas 2006/42/CE come recepita/as implemented/comme implémentée/wie implementiert/como implementado dal/as per/selon/wie/según DPR nr. 17 del 27/01/2010
- Direttiva/Directive/Directive/Richtlinie/Directivas EMC 2014/30/UE
- Direttiva/Directive/Directive/Richtlinie/Directivas 2014/35/UE
- Regolamento/Regulation/Réglementation/regulierung/Regulación CE 1935/2004

Place and date:

Stamp and Signature with name and address of the legal representative
as a person authorised to establish the Technical File:

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

2.00 TECHNICAL CHARACTERISTICS

2.01 TECHNICAL DESCRIPTION

2.01.01 COMPOSITION OF THE MACHINE

The Dough divider - rounding machine mainly consists of a head (Figure 1, pos.1) and a base (Figure 1, pos.2).

The head (Figure 1, pos.1) is covered by a fixed interlocked casing and it encloses the main pressing, cutting and rounding elements, including:

- Supporting bridge
- Ball forming plate
- Knives

The base (Figure 1, pos.2) is made by assembling painted steel plates and sheets, which guarantees the strength and stability of the machine and contains the transmission parts.

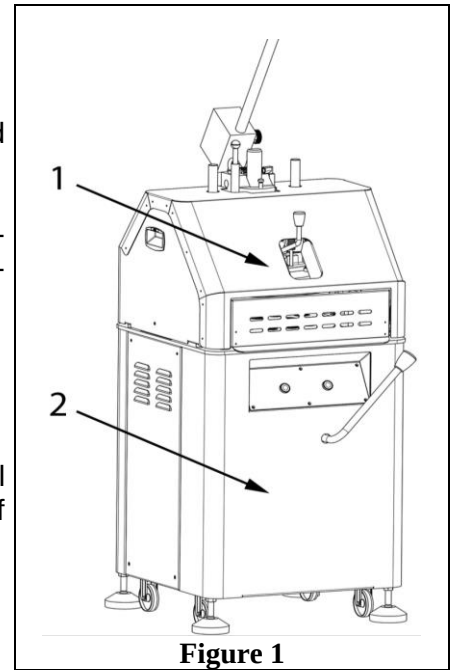


Figure 1

2.01.02 FUNCTIONING

- 1) Pressure lever: pressing the lever down will flatten the dough (Figure 2, pos.1).
- 2) Cutting lever: pushing the cutting lever (Figure 2, pos.2) to the right, raises the aluminium plate and pressing the pressure lever (Figure 2, pos.1) lowers the knives thus dividing the dough. Lowering the lever and knives allow the rounding motor to work.
- 3) Rounding lever: slowly lower (Figure 2, pos.3) the rounding lever to round out the cut pieces.
- 4) Microswitch to control the pressing phase: once the pressure lever (Figure 2, pos.1) has been activated, the device (Figure 3, pos.4) starts the motor to rotate the dough tray. If the lever is not pressed fully, the turntable rotation will not start.

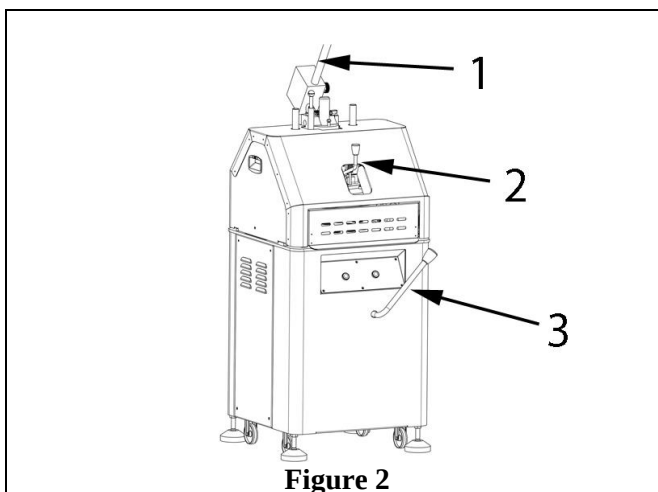


Figure 2

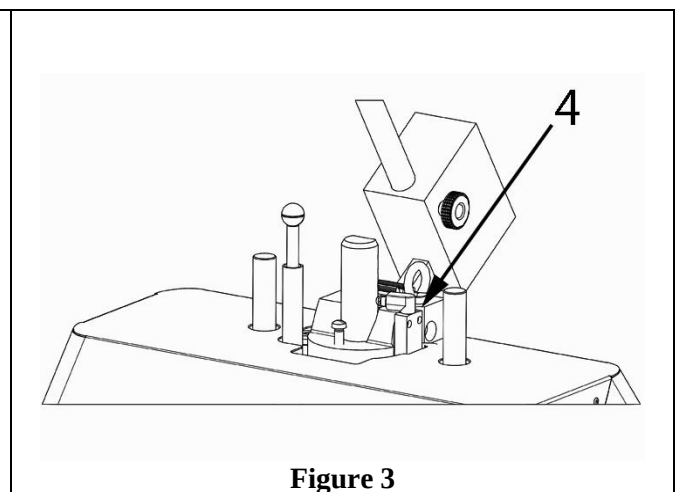


Figure 3

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

TECHNICAL FEATURES COMMON TO ALL MODELS

- The materials in contact with the product meet hygiene requirements.
- The measured sound pressure level is less than 70 dB (A).

2.02 TECHNICAL DATA

	S15	S22	S30	S30S	S36	S52
Divisions	15	22	30	30	36	52
Minimum weight and maximum divisions	80-260	50-180	40-135	25-90 g	34-110	12-35 g
Max capacity in kg of dough	4	4	4	2.7	4	1.82
Machine dimensions	See Figure 4					
Machine weight kg.	180	180	180	180	180	180
Installed power in kW	0.55	0.55	0.55	0.55	0.55	0.55

Figure 4 shows the dimensions of the machine in mm.

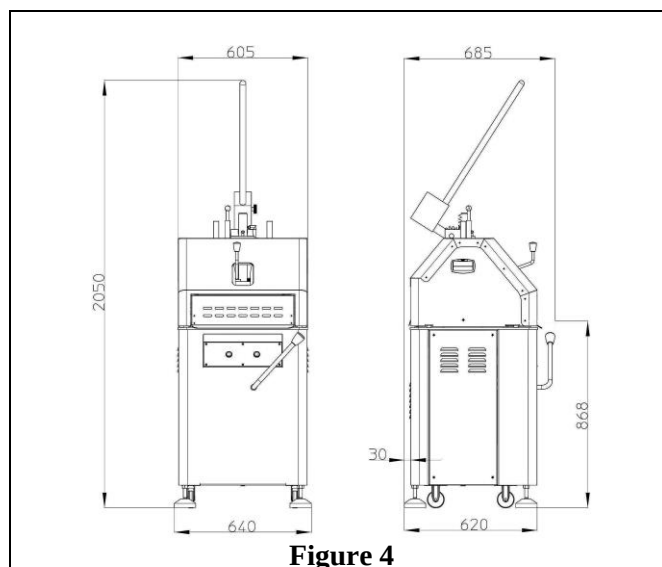


Figure 4

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

3.00 MANAGEMENT OF THE PRODUCT



WARNING

Lifting operations must be performed by qualified personnel

3.01 PACKAGING

The product is packaged, depending on the destinations and the particularities of movement, according to the different types highlighted below.

As mentioned, the packing materials can be used according to the following characteristics.

PALLET

Wrapping devices defined at European level and in accordance with standard sizes, which have to be handled by means of suitable lifting systems

PACKING CASE

Closed container made of non-transparent material (wood, paper etc.) which can contain the product or parts of it.

CRATE

Closure system by means of interconnected wooden axis in order to guarantee a global protection of the product.

3.02 TRANSPORT INSTRUCTIONS FOR PACKED PRODUCTS

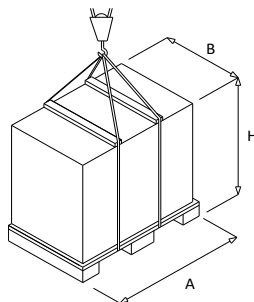


Figure 5

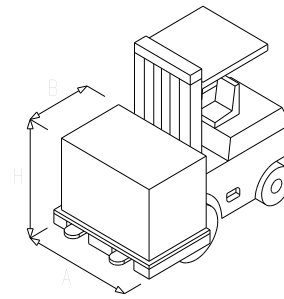


Figure 6

PACKAGING DATA

- The machine is packed on a pallet, covered with plastic and strapping tapes.
- A wooden crate can be supplied upon request.
- The centre of gravity of the machine is positioned approximately in the centre of the plan view

Model	PACKAGING TYPE	WEIGHT kg	A mm	B mm	H mm
Manual S	Cardboard box on pallet	220	750	750	1660
	Crate	230	820	820	1700

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TRANSPORT AND UNLOADING INSTRUCTIONS

- The loading and unloading from the means of transport can be carried out:
 - using a crane, see Figure 5; in this case, respect the maximum rope tension angle which must be max 45° as in Figure 7.
 - using a forklift truck, see Figure 6.
- Transport should be carried out using all the necessary precautions to avoid damage to the product

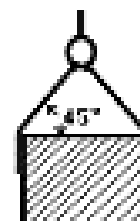


Figure 7

- In particular, the product must not be stacked on other materials, nor should other materials be stacked on the product, either in transit or during storage.
- For transportation, the product should be loaded on the vehicle in such a way that the other materials loaded on the same vehicle will not knock against it.
- Before unloading the product from the vehicle, it is necessary to make sure that the packaging is intact and that it does not involve the risk of toppling over.
- During unloading operations, the product should be placed on the ground very gently to avoid dangerous impacts.
- Carry out handling and lifting using suitable lifting equipment capable of supporting the size and weights involved. While moving, during the lifting phase, do not move or leave the machine over people or things.

MANUAL HANDLING OF LOADS

The current legislation limits the loads that can be handled manually to 25kg for male operators and to 15kg for female operators. These values must be appropriately reduced according to the actual working conditions, such as load stability (for example a container whose content is not uniformly distributed), obstruction (for example if visibility is reduced or less), assumption of incorrect postures, nature of the materials involved, handling on uneven surfaces or inclined surfaces or with differences in level, external temperature of the object, movement in confined spaces or for long distances or with high elevations, etc. In general, it is advisable to use adequate lifting equipment, or work with more people, to carry heavier loads.



WARNING

Pay attention to the warnings on the package while handling the packed products.

The strength of the straps must be adequate for the weight of the packages.

Do not use metallic belts during the transport, the unloading and the handling of the product.

3.03 UNPACKING

- Remove the machine from its packaging and check that it has not been damaged during transport and that there are no visible signs of damage. If you have doubts, do not use the machine but first inform qualified personnel (your retailer).
- Packaging components (plastic, nails, screws, wood, etc.) can be dangerous and should never be left within the reach of children. Place the packaging in special collection sites, especially if it is a pollutant material.



WARNING

Do not dispose of any accessories and / or documents with the packaging

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3.04 STORAGE

In case of storage, the machine has to be protected from dust and installed in a covered site.

The parts must be stored in an environment with temperatures between +5°C and +40°C, and with an average temperature not exceeding 35°C over 24 hours. The environmental humidity must also be between 30% and 95% without condensation. Stored parts should not be exposed to direct sunlight.

3.05 INTERNAL HANDLING

Once unpacked, the machine can be lifted with a crane using the two eye-bolts screwed onto the rear part of the structure as shown in Figure 8.

Once the machine is installed, it is not expected to be moved for normal operation.

Should it be necessary to move the machine, it is equipped with wheels so that it can be moved within the plant.

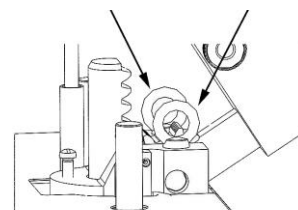


Figure 8

Once positioned, the feet must be raised until it touches the ground (refer to chapter 3.07.01 "INSTALLATION INSTRUCTIONS").



WARNING

Internal handling must be carried out taking all necessary precautions to avoid damage to the machine components.

3.06 INDIVIDUAL PROTECTION DEVICES

Personal protective equipment (PPE) is equipment for protecting the operator from the risks that may arise during normal use, cleaning and maintenance of the machine. It is the employer's job to provide the operator with PPE adapted to the danger to be averted.

For cleaning and mechanical maintenance operations, the following PPE must be provided:

- Safety shoes with steel toe tip to protect the lower limbs.
- Safety gloves to protect against cuts for the protection of the upper limbs.

For electrical maintenance operations it is necessary to provide the following PPE:

- Safety shoes with steel toe to protect the lower limbs.
- Safety gloves for protection against contact with any active parts.

For all operations that involve the use of flour (for example while loading the dough) it is necessary to provide the following PPE:

- Hygienic masks for the protection of the respiratory tract.

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3.07 INSTALLATION

It is an important process that includes the placing and positioning of the product to allow for its subsequent use. The installation site must be adequately ventilated and meet current regulations in the place of installation; it must have a temperature between +5°C and +40°C, and with an average temperature not exceeding 35°C over 24 hours. The environmental humidity must also be between 30% and 95% without condensation.

The electrical equipment operates correctly up to 1000 metres above sea level.

The required environmental conditions are those required by the labor and safety regulations in environments such as bakeries, pastry shops and pizzerias, with particular regard to the various emanations of local authorities. The area must be equipped with adequate lighting and ventilation.



WARNING

Comply with current law and regulations regarding interior illumination.

The assembly of the various components of the device must be performed by qualified personnel.

3.07.01 INSTALLATION INSTRUCTIONS

Choose the area where the machine will be placed making sure that it is easily accessible from all sides (at least 1 metre free per side). The floor must be level, cemented or tiled and suitable to support the loads with the recommended safety margins.

Do not try to tilt the machines with respect to the horizontal installation surface as there is a risk of it tipping over.

Place the machine on a flat floor. Stabilize it by adjusting the feet with the appropriate key provided. Sufficient space must be left around the machine for work and maintenance operations.

Once the machine is positioned, it is necessary to stabilize its support on the ground by adapting the position of the adjustable feet (as shown in Figure 9):

- Loosen the nut in Figure 9 pos.1.
- Adjust the height by tightening or loosening the foot (Figure 9, pos.2).
- Secure it by retightening the nut in Figure 9, pos.1.

The machine arranged in this way is stable and does not require anchoring to the ground.

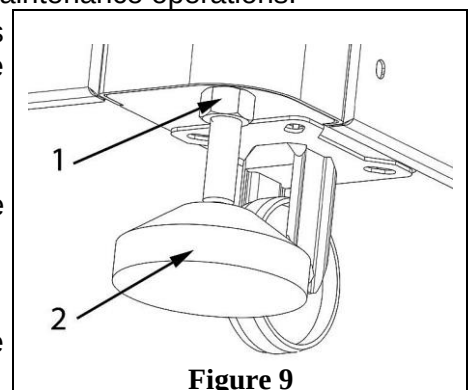


Figure 9



WARNING

It is forbidden to work on the machine when it is resting on its wheels. The feet must be correctly adjusted as described above.

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3.07.02 CONNECTING THE MACHINE TO THE POWER SUPPLY



WARNING

Service on the electrical system, even of minor importance, requires the intervention of professionally qualified staff.

- Verify that connections are properly set as it is indicated in this manual.
- The machine is provided with a single electric connection.
- Check that the voltage corresponds to that available from the network.
- Connect the machine to a tension sectioning device with manual control (easily accessible positioned) to allow the disconnection of the electric equipment of the machine from the electric system when necessary. (for example, during the cleaning or the maintenance).
- Connect the connection cable of the machine with a retention plug suitable to the sectioning device installed, if not provided.
- See data concerning the electrical scheme for information about the dimensioning of the cable and of the disconnecting switch.
- Provide the machine connection cable with a plug suitable for the general disconnecting switch installed, if not provided, then connect to socket. Test and timing are carried out in the company. If the direction of rotation is incorrect, it is possible that the position of two phase wires has been inverted, so it may be necessary to act on the plug
- If a differential protection is installed in the system, we suggest to use a B-type differential (suitable in presence of inverter).
- The machine must be installed so that the operator in charge can see the power supply plug from all points to which he has access during use, maintenance and cleaning.

NOTE:

Do not invert phase wire and neutral wire because it would damage the machine electrical components.



WARNING

Check that the voltage corresponds to that available from the network.

Check that the plate power capacity is equal to or less than that provided by the network.

NOTE: SAFETY NORMS FOR ELECTRICAL SYSTEMS

The electrical system to which the machine will be connected must comply with the laws and regulations in force in the place of installation and commissioning. The installation must be carried out by professionally qualified technicians registered in the relative professional register, able to issue a "DECLARATION OF CONFORMITY" to the specific client. We suggest having the old installation checked in order to adapt them to the most recent safety regulations and the most current status before connecting the machine in question.

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3.08 COMPULSORY SECURITY PROCEDURE FOR PERFORMING CLEANING AND MAINTENANCE

1. Disconnect the machine from the power supply by unplugging it
2. Display signs on the machine to warn others that maintenance and/or cleaning operations are in progress, so that it is not accidentally powered up.



WARNING

It is forbidden to perform any kind of cleaning operation or maintenance without having followed the procedure described above. If it is necessary to work inside the electrical panel, make sure that the power plug is removed from the socket.



WARNING

The operator is referred to specifically trained personnel on the operation of the machine, which normally operates on it without particular technical or professional skills.

The maintenance technician is referred to professionally qualified personnel, that is, a person who has adequate training, experience and education to recognize and avoid any dangerous situation and is aware of the rules, instructions and preventive measures in force at the installation site.



WARNING

The cleaning and maintenance operations that require the removal of the machine protection paneling with the use of special keys or tools and the interventions on the electrical system must be performed exclusively by authorized and specialized maintenance personnel, with the machine stopped and after having removed the mains plug.

The protections removed in order to perform maintenance and cleaning operations have then to be restored to their original position and the functioning of interlock switches has to be checked.



WARNING

The possible presence of residual voltage will be signalled, in particular by the capacitors. After stopping and disconnecting the machine, wait for the necessary time before working on the electrical components of the machine.

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3.09 MAINTENANCE PROGRAM

To guarantee the correct and safe functioning of the machine, it is necessary to accurately follow this maintenance program. It is the customer's responsibility to make sure that these procedures are followed.



WARNING

It is forbidden to carry out any cleaning or maintenance operation without having implemented the procedure described in para.3.08.

Extraordinary maintenance operations must be carried out only by professionally qualified personnel. Extraordinary maintenance operations require the use of generic workshop tools (wrenches, screwdrivers, pliers, etc.) and therefore cannot be performed by untrained personnel.

GENERAL RULES TO BE ESTABLISHED FOR CLEANING THE MACHINE



WARNING

- Perform cleaning operations at least once a week and, if necessary, every day.
- Always operate with the machine off. Always check that the power supply indicator light is off before starting to clean the machine. Bread residues remaining inside the machine must not be removed when the dough divider is running.
- Cleaning dispersed and / or deposited Flour on structures and equipment must be carried out as frequently as possible, even as often as several times during the same operating session.
- If necessary, place a caution sign that warns of the danger of slipping on the washed floor.
- For operations on scrapers, knives or similar items, it is recommended to use gloves and pay attention to sharp edges.
- To remove dough deposits, use plastic scrapers. We do not recommend the use of metal tools that could scratch and ruin the parts of the machine.
- DO NOT use cleaners that contain harsh chemicals, irritants and that are not biodegradable.
- DO NOT USE jets of water or pressure washers.
- DO NOT USE detergents containing trichlorethylene or chlorine to wash the plastic front of the computer.
- DO NOT USE jets of compressed air, since generating dust is harmful to your health, it is advisable to use a vacuum cleaner.
- DO NOT USE water above 60 °C to clean, solutions containing caustic soda, hydrochloric acid or sulphuric acid, as they are harmful for the surfaces.

Clean the surface of the rounding plate support and both sides of the rounding plate several times a day.

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NOTE:

If the machine is not provided with some of the devices indicated here, it is not necessary to follow the maintenance indications concerning them (for example, for those machines which have no pneumatic installation, the maintenance indications about it can be ignored).

OPERATIONS TO BE PERFORMED BEFORE EACH START-UP

<i>Intervention</i>	<i>Type of operation</i>	<i>Performed by</i>
Ensure that there are no foreign bodies in the path of any parts that will be put in motion	Generic	Operator
Check that the safety panels and protections are closed	Generic	Operator
Check the correct operation of the plate presence sensor	Generic	Operator
Verify that all connectors and power sockets are correctly positioned	Generic	Operator
Clean all the surfaces on which there is some flour, dough, etc.	Cleaning	Operator

OPERATIONS TO BE PERFORMED DAILY

<i>Intervention</i>	<i>Type of operation</i>	<i>Performed by</i>
Clean the panel system externally with a damp cloth and wipe (no water jets)	Cleaning	Operator
Clean the push-button panel externally.	Cleaning	Operator
Verify that there are no oil leaks (oil stains on the ground).	Mechanical	Operator
Clean the floor around the system	Cleaning	Operator

OPERATIONS TO BE PERFORMED WEEKLY

<i>Intervention</i>	<i>Type of operation</i>	<i>Performed by</i>
Remove the flour dust near the air-cooling extraction openings on the motors	Cleaning	Operator
Check and, if necessary, clean the screws inside the mobile casing and on the tool coupling system	Cleaning	Operator
Verify the efficiency of the safety devices and of the warning and signalling systems	Electrical	Operator
Verify that the micro-switches of the accident-prevention protections, the push-button panel and the power cable with its plug have not been damaged	Electrical	Maintenance technician
Verify the correct fastening of the limit switch supports and of the photocells	Electrical	Maintenance technician
Verify all the electric connections, including lamps, sockets and guards. Replace with new ones if there are damaged parts.	Electrical	Maintenance technician
Check the intervention distance of the interlocks with respect to their working position and the machine stop time.	Mechanical	Operator

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INTERVENTIONS TO BE PERFORMED MONTHLY

<i>Intervention</i>	<i>Type of operation</i>	<i>Performed by</i>
Check the tension of the transmission belts; if necessary, contact the maintenance technician to tension them. Replace it in case of excessive consumption.	Mechanical	Maintenance technician
Grease all the bearings and supports with bearing, using food grade lubricant	Mechanical	Maintenance technician
Check the tightness of the machine bolts.	Mechanical	Maintenance technician

INTERVENTIONS TO BE PERFORMED EVERY SIX MONTHS

<i>Intervention</i>	<i>Type of operation</i>	<i>Performed by</i>
Check the degree of wear of the belt drive pulleys; replace them if necessary	Mechanical	Maintenance technician
Check the degree of wear of the toothed wheels and gears; replace them if necessary	Mechanical	Maintenance technician
Check the degree of wear of all bearings and supports; replace them if necessary	Mechanical	Maintenance technician

OPERATIONS TO BE PERFORMED ANNUALLY

<i>Intervention</i>	<i>Type of operation</i>	<i>Performed by</i>
Complete overhaul of the elements of the electrical system	Electrical	Maintenance technician

NOTE:

- When it is necessary to replace some machine components, we advise to ask the constructor or the authorized reseller for the original ones.
- For the operations of control and substitution of the lubricants, please verify in the attached documents the indication of the correct lubricant level and of the suitable kind of it



WARNING

The replacement of parts or mechanical and electrical maintenance must be carried out exclusively by specialised personnel. If the machine is under warranty, immediate notice must be given to the manufacturer.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

The various elements that make up the machine are listed below along with the specifications of the detergents to be used and the washing methods.

Material	Component	Detergents to use	Washing method	Prohibited
Painted steel	Structural elements Closure panels Accident-prevention protections Mechanical components	Biodegradable with a neutral pH for dishes and dishwashers	Damp cloth, warm water	Abrasive cloths or substances
Stainless steel (optional)	Structural elements Closure panels Accident-prevention protections Mechanical components Rails Hoppers	Biodegradable with a neutral pH for dishes and dishwashers	Warm damp cloth, dishwasher (if dimensions allow)	Abrasive cloths or substances
Treated steel	Rollers Mechanical components	Biodegradable with a neutral pH for dishes and dishwashers	Warm damp cloth, dishwasher (if dimensions allow)	Abrasive cloths or substances
Anodised aluminium	Structural elements Accident-prevention protections Mechanical components Rails	Biodegradable with a neutral pH for dishes and dishwashers or suitable for anodised aluminium	Damp cloth, warm water	Abrasive cloths or substances
Plastic material	Wheels Scrapers Rails Accident-prevention protections Retaining bulkheads	Biodegradable with a neutral pH for dishes and dishwashers	Damp cloth with warm water (< 60°), dishwasher (if dimensions allow)	Abrasive cloths or substances, oils, trichloroethylene, chloro-thene
PVC	Conveyer belts	Biodegradable with neutral PH	Damp cloth with warm water (< 60°)	Abrasive cloths or substances, oils, trichloroethylene, chloro-thene
-	Control panel	No detergent	Damp cloth with warm water (< 60°)	Abrasive cloths or substances, oils, trichloroethylene, chloro-thene

Replacement of safety-related components

The life of the machine is estimated at 10 years, considering a use of 6 hours a day for 250 days a year. After this period and subject to the periodic maintenance deadlines indicated in the manual, it is necessary to carry out an accurate check of all its components, with particular reference to the replacement of the components of the safety control systems.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

3.09.01 CLEANING AND MAINTENANCE, PLATES, HEAD AND KNIVES

To clean the work area, refer to the following instructions:

- 1) adjust the graduated rod to position no.4 (Figure 19, pos.3);
- 2) remove the upper casing, by removing the screws on both sides first (**Figure 10**);
- 3) lift the pin stop (Figure 11, pos.1) by pulling it up;
- 4) pull the head locking pin (Figure 12, pos.2) outwards;
- 5) remove the retaining ring (Figure 12, pos.3) by loosening the bolts (Figure 12, pos.4) and by turning it counter-clockwise and then lower it;
- 6) clean the head and knives (Figure 13);
- 7) perform all the operations in reverse order to return the machine to its initial state.



WARNING

While securing the containment ring (Figure 12, pos.3), do not lock the bolt (Figure 12, pos.4) but keep it slightly detached. Once the operation is completed, check that the ring is free and not blocked (it must have a minimum backlash), for the correct operation of the machine.

The residues of bread left inside the divider-rounder must not be removed with the machine running.

For cleaning operations, do not use pressure washers or water jets or other liquids, but use a brush.

Also clean the surface where the rounding plates are placed

The rounding plates must not be left inside the machine and they must be cleaned every day, even several times a day, on both sides.

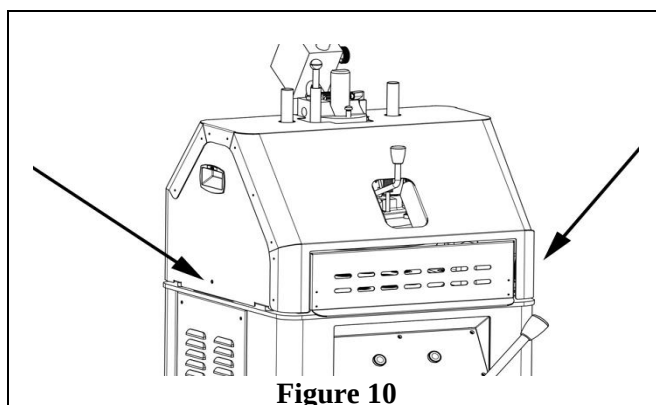


Figure 10

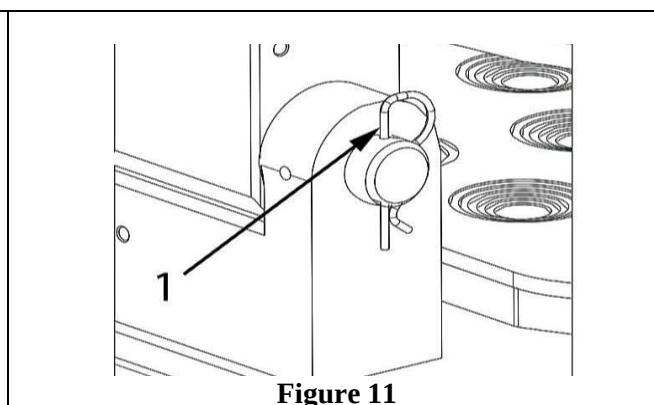


Figure 11

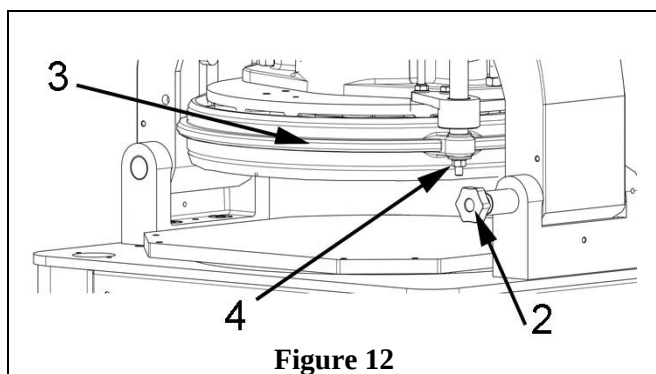


Figure 12

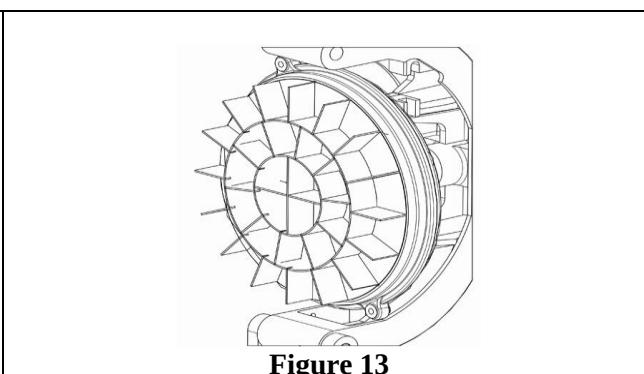


Figure 13

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE



WARNING

To check that the containment ring is installed in the correct direction (Figure 12, pos.3), make sure that the two centre points on the ring and on its support (Figure 14) are parallel.

If the containment ring is not installed in the right direction, machine malfunctions may occur.

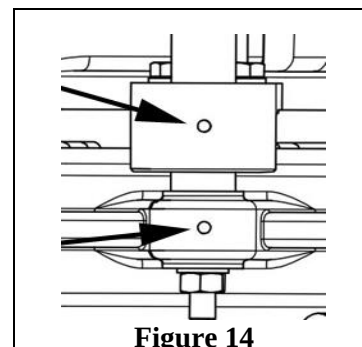


Figure 14

3.09.02 MOTOR BELT TENSION

To tighten the belt, proceed as follows:

1. remove the left panel to access the motor compartment;
2. check that the belt is correctly tensioned;
3. if necessary, turn the nut (Figure 15, pos.1) to tension the belt;
4. once adjusted, carefully refit the removed panels.



WARNING

For electrical failures of the motor and the protection system, contact a specialized electrician or contact the Manufacturer.

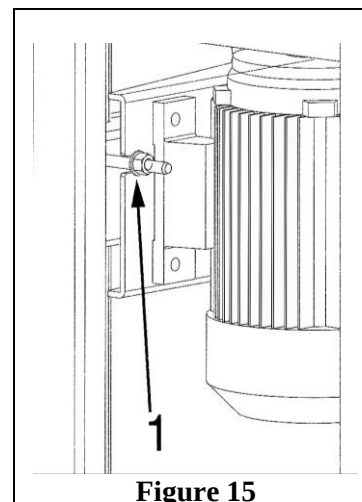


Figure 15

3.09.03 MACHINE SAFETY DEVICE CHECK

MOBILE CASING

The pressing and/or cutting and rounding area is protected by an interlocked mobile casing, free to rotate, secured to an interlock with positive operation, located inside the machine frame.

Before each start-up, check that the safety interlock works properly:

- Try to start the machine with the mobile casing open:
 - If the machine does not start (the microswitch works), start it normally;
 - if the machine starts (the microswitch does not work), **DO NOT start it normally** but contact the Manufacturer's Service Centre immediately.

STOPPING TIME

Once a week, open the mobile casing protecting the work area and check that the emergency stop of the machine occurs promptly.



WARNING

If the machine starts with the casing open and/or it does not stop immediately, do not start it normally but contact the Manufacturer's Service Centre immediately.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

3.10 PUTTING THE MACHINE OUT OF SERVICE

3.10.01 PUTTING ASIDE

- In case of putting aside (storage) the machine has to be protected from dust and placed in a covered site.
- If the machine is set aside (unused) for a long period of time, it must be protected against dust and the elements by an adequate cover.
- It is not necessary to take any particular precautions as for the motor and the electric system. It is only necessary to follow the indications above.
- If the machine is moved to an unattended site, pay attention it is protected from crushes, damaging and alterations.



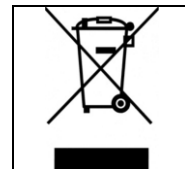
WARNING

When machine functionality is restored, specialised personnel must carry out a careful preliminary examination of it.

3.10.02 INFORMATION TO USERS

The crossed-out bin symbol on the device or its respective packaging indicates that, at the end of its useful lifetime, it must be collected for disposal separately from normal domestic waste. It is up to the dealer to take care of the differentiated collection of the product at the end of its lifetime. The user is responsible for contacting the dealer to enable the delivering of the product to a suitable collection facility at the end of its lifetime. Adequate differentiated collection for the successive recycling of the scrapped appliance, with eco-compatible processing and disposal, will contribute to avoiding negative effects on the environment and on health and favour the recycling of the materials of which the product is composed.

If the item falls into to EEE category (Electrical and Electronic Equipment), the symbol shown in the figure will be found on the product marking plate.



WARNING

Improper disposal of the product by the holder is subject to the administrative penalties provided by law.

3.10.03 DEMOLITION

The machine structure is made of painted steel. The knives are made of AISI304 stainless steel. The pillow blocks and gears are in cast iron, the belts are in synthetic material, electrical parts in copper and plastic. In case of scrapping of the machine, please proceed in the following way:

1. Remove the electric connection cable.
2. Disassemble the moving parts which can be dangerous.
3. Scrap the most part of it as scrap iron and take it to a suitable waste collection centre, in conformity with current regulations.
4. The other parts, for example plastics, have to be scrapped in conformity with current regulations. Resort to specialised companies if necessary.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

3.11 COMMISSIONING

The start-up procedures of the product are closely related to the installation and the necessary checks to identify anything non-compliant that may affect the proper functioning of the machine.

3.11.01 VERIFICATION

When the machine is installed and all connection operations have been carried out, it is necessary to provide for a general check before the start up using the appropriate control.

It is advisable to follow with attention the indications in the manual in order to carry out a proper verification.

The verification therefore includes the following:

1. correct positioning of all the connectors and plugs
2. Correct positioning of the protections on the machine.
3. check of the correct closing of the panels of access to the inner parts of the machine
4. Check the operation of the safety devices on the machine and listed in chapter 6.01.01, as indicated in chapter 3.09.03.
5. Check the presence and correct positioning of all the pictograms and warning plates which are indicated and which must be found in the positions indicated in this manual.

3.11.02 FIRST START



WARNING

These operations must be entrusted to the personnel performing the electrical connection. The machine must be controlled by a single operator.

After having proceeded to all the verifications indicated in the previous paragraph and having rectified possible non-compliances, it is then possible to turn on the machine.

Check that the mains voltage corresponds to the voltage of the machine then connect the plug to the mains.

Start the machine, checking that there are no irregular mechanical noises which could be a sign of malfunctioning. In case of doubt, stop the machine and report the problem to the Manufacturer's Technical Service Centre or to your Retailer.

Check that the direction of rotation of the plate (clockwise) corresponds to that of the arrow located on the front cover (Figure 16). Otherwise, invert the two phases.

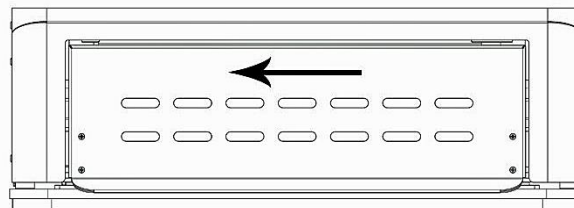


Figure 16

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

4.00 OPERATING INSTRUCTIONS

4.01 GENERAL INFORMATION

- DO NOT carry out maintenance operations with the electric current connected to the machine.
- DO NOT open the electric board, unless specifically authorised to do so.
- CONNECT the machine to the electrical power supply in accordance with current regulations.
- CONNECT the machine to the earthing system.

BEFORE USING the machine, check that:

- No foreign body is on the trajectory of the parts that will be put in motion.
- All the accessories and power sockets are connected and correctly positioned.
- Panels and accident-prevention protections are closed.
- The staff in charge of operation is informed about the start of production.

NOTE: PROCEDURE IN CASE OF AN ACCIDENT

During the use, cleaning, maintenance, installation and handling of the machine, no accidents are reasonably foreseeable if all the safety instructions and requirements contained in this document are complied with. The operator/user/purchaser must read and memorise them. If accidents nevertheless occur as a result of incorrect behaviour or events that are not reasonably foreseeable, proceed as follows:

1. immediately stop the machine by unplugging it
2. assist the injured person, if possible, and according to your skills;
3. immediately contact the company's first aid service if present or, in any case, follow the procedures in force at the site of the accident;
4. contact the emergency medical service, specifying, if possible and according to your knowledge and skills, how serious the situation is;
5. in the event of crushing between moving parts or in the event of dragging between rollers, gears or belts, open the mechanical elements involved, if necessary, to be able to remove the injured part or loosen the crushing action, in full compliance with the instructions on unlocking the machine in the event of blockage.
6. should it be necessary to remove or open parts of the machine, call the professionally qualified technical assistance staff.

USE AND MAINTENANCE MANUAL DOUGH DIVIDER – ROUNDING MACHINE

NOTE: USE OF THE FLOUR DURING MACHINE OPERATION



WARNING

The machine can work mixtures composed of finely ground organic products (flour). The operator must wear adequate hygienic masks for the protection of the respiratory tract when handling flour. To avoid the formation of flour clouds, follow the instructions below:

- Handle the product packages carefully, checking that they are not punctured and that they are correctly sealed.
- Avoid rapid spills and start work phases slowly if possible.



WARNING

Before starting work on the machine, the machine user must consult the safety data sheets of the products he intends to use.

For hygienic principles, we remind you that any dough that may leak or fall out during the operation, for whatever reason, cannot be put back and mixed in the dough being processed.

Organise adequate work shifts to work on the machine.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

4.02 ELECTRICAL EQUIPMENT

The electrical equipment is composed of:

- A control push-button panel (Figure 17, pos.1)
- An electrical system (Figure 18, pos.2) consisting of the control and command devices of the machine, positioned inside it.
- A series of cables adequately protected for the connection of the various utilities.

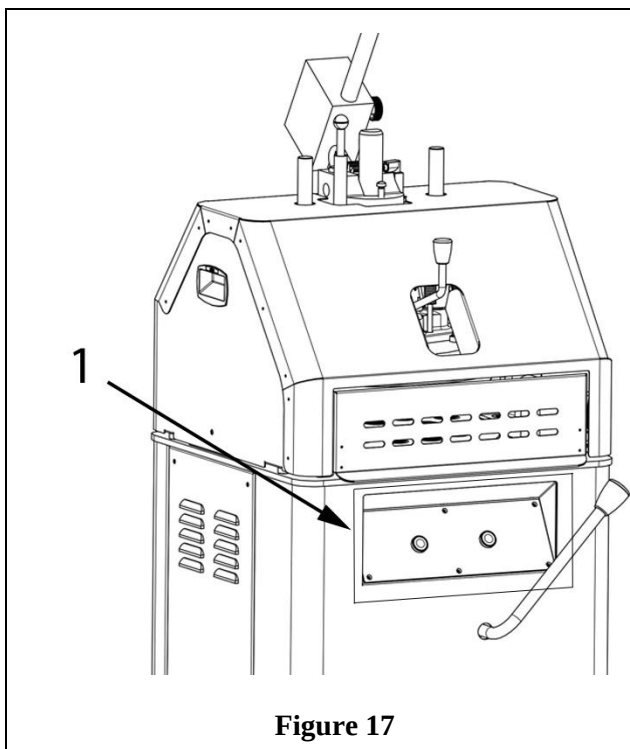


Figure 17

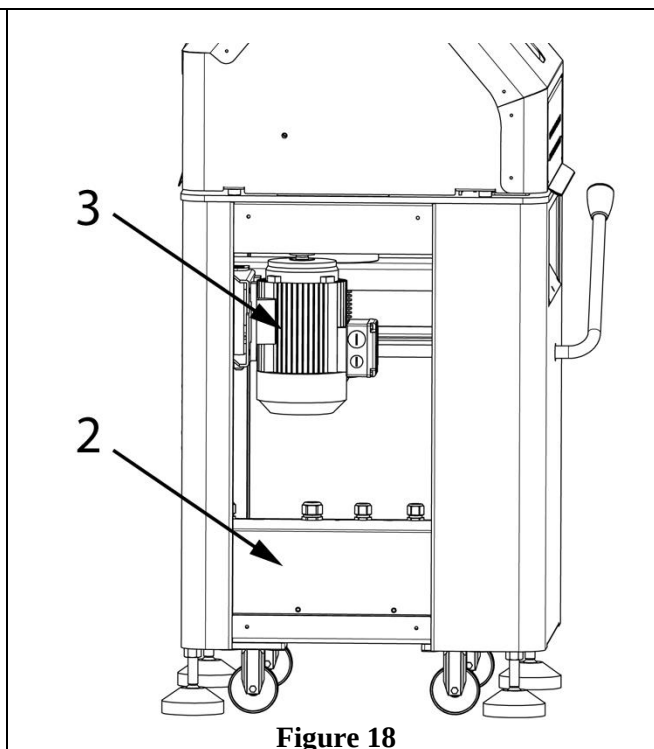


Figure 18

Key (Figure 17 and Figure 18)

Pos.	Description	Pos.	Description
1	Control push-button panel	3	Rounding motor
2	Electrical system casing		

NOTE:

The pictures contained in this manual may differ slightly from the machine model purchased.

4.02.01 ELECTRICAL SYSTEM

All the electrical components subject to the rated voltage and the electric motors are enclosed within the machine frame. The control devices, buttons and selector switches work at low voltage 24 volts and are enclosed within the machine frame.

The machine is set for earth connection against risks deriving from indirect contact.

The power and control electric circuit is endowed with protection devices against short circuits and overloads of its own.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

4.03 CONTROLS

The buttons and levers of the control panel are on the front of the machine (Figure 19 and Figure 20), while the graduated rod is on the top:

POS.	Description
1	Pressure lever
2	Graduated rod
3	Cutting lever
4	Rounding lever
5	Stop button
6	Start button

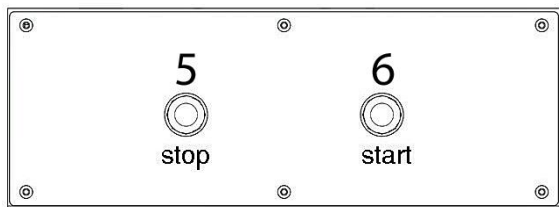


Figure 20

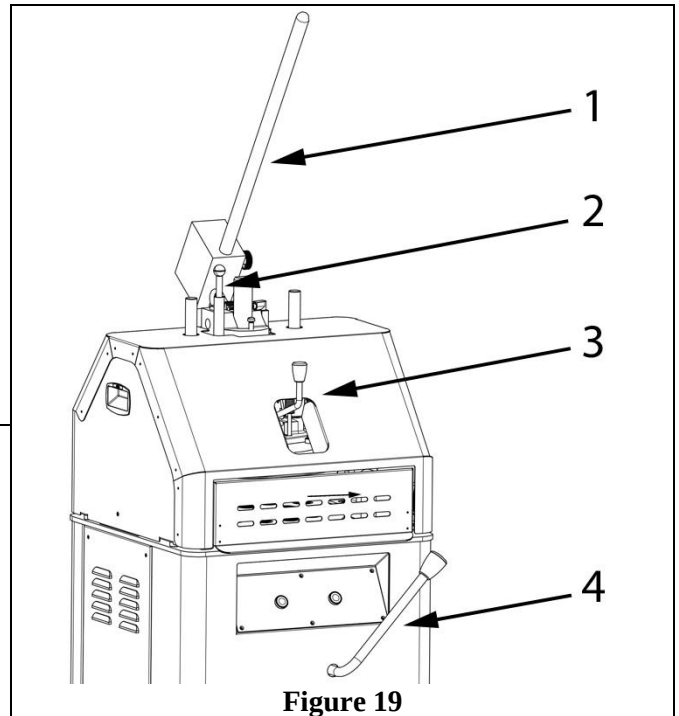


Figure 19

4.04 USING THE MACHINE

The operator's workstation when operating on the machine is located in front of the control panel.



WARNING

The divider-rounder must always have the containment ring and the dough plate inserted during the work phase.

If the rounding plate is not inserted correctly, the machine will not start.

Clean the surface of the rounding plate support and both sides of the rounding plate several times a day.

ANY ISSUES OR BREAKDOWNS THAT OCCUR ON THE MACHINE DUE TO INCORRECT MANEUVERS OR BEING TAMPERED WITH DURING THE PERIOD COVERED BY THE WARRANTY MAY CAUSE THE VALIDITY OF THE SAME.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

4.04.01 STARTING PROCEDURE

NOTE:

The dough weighed before being inserted into the machine must be rounded and left to rest for about 10/15 minutes.

To start the work cycle, proceed as follows:

1. press the START button (Figure 20, pos.5) to enable the machine;
2. adjust the graduated rod (Figure 19, pos.2) to determine the rounding height of the chambers depending on the weight of the dough.

The position of the rod determines the volume of the forming chambers and is therefore adjusted on the basis of the weight of the dough to be worked. Since the correct adjustment also depends on the leavening of the dough, the adjustment itself is a matter of experience. The following values offer an approximate indication of how to make the adjustment:

Example no. 1 g 1000 – no. 2 g 2000 – no. 3 g 3000 – no. 4 g 4000

3. Put the dough in the forming plate and spread it evenly without letting it spill out of the external circular grooves;
4. if necessary, sprinkle some flour on the dough;
5. insert the plate, making sure that the sensor enters the hole in the plate correctly (Figure 25);
6. close the front door;
7. Lower and keep pressed the **pressure lever** (Figure 19, pos.1) to press the dough;
8. push the **cutting lever** (Figure 19, pos.3) to the right to divide the dough;
9. slowly lower the **rounding lever** (Figure 19, pos.4) and keep it pressed throughout the movement. To stop the cycle, lift it slowly. The rounding time depends on the type of dough and the operator's experience;
10. after lifting the **pressure lever** (Figure 19, pos.4) open the mobile casing and remove the rounding plate;



WARNING

It is strictly forbidden to insert hands in the slot for the activation of the cutting lever during machine operation.

4.04.02 STOPPING THE MACHINE

To stop the machine, press the normal stop button (Figure 20 pos.5) or lift the levers of Figure 19 pos.3 and 4.

The machine thus remains enabled and ready to start another work phase.

4.04.03 EMERGENCY STOP

If there is an accident during operation, or something abnormal or unexpected occurs, the machine must be stopped to eliminate the hazard or the dangerous situation.

To stop the machine in the event of a dangerous or abnormal situation, it is possible to unplug it. Do not use this procedure to stop the machine in normal conditions, but only in case of need.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

4.05 EVALUATION OF RESULTS

The following information will help you achieve the desired result. When the machine is running, always use the three adjustment options: volume, pressure time and forming time.

Pay particular attention to the pre-rising time of the dough, which can depend on various things, but is usually around 15 minutes. With a hard dough, it is necessary to increase the pressing time and strength to obtain a more uniform thickness.

- **The balls of dough do not have equal weight.**

Make sure that the dough is flattened manually and placed in the centre of the plate. Spread it out evenly over the entire surface of the plate without ever letting it come out of the circular openings. If this happens, when the closing ring is lowered, it may not rest perfectly on the rounding plate, causing the dough to spill out during the pressing phase.

- **The balls of dough are not all formed**

Slightly lower the graduated rod (Figure 19, pos.2).

- **The dough balls are not fully formed**

Increase the forming time using the lever (Figure 19, pos.4).

- **The balls of dough do not have a smooth surface**

Check that the weight of the dough to be worked conforms to the capacity of the machine.

Lift the weight control graduated rod (Figure 19, pos.2).

The balls of dough were formed with too much force; decrease the forming time using the lever (Figure 19, pos.4).

- **Leakage of the dough between the ring and the forming plate**

The dough was pressed for too long; decrease the pressing time or reduce the force when operating the pressure lever.

- **The balls of dough on the external perimeter of the plate are larger than the central ones**

Decrease the pressing time to prevent the dough from leaking out of the ring.

- **The balls of dough on the external perimeter of the plate are smaller than the central ones**

Increase the resting time of the dough before processing it with the machine. With hard dough, press a little longer. This will give the dough a more uniform thickness.

- **The balls of dough are not closed perfectly at the base.**

Close the rounding machine more slowly, i.e. return the rounding lever more slowly (Figure 19, pos.2).

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

5.00 OPERATION MALFUNCTIONS



WARNING

In the event of blockages of moving parts of the machine, for example due to workpieces or other elements stuck between two moving parts or between a moving part and a fixed part, or due to sliding not allowed by occasional friction, malfunction, incorrect positioning, insufficient or excessive feeding or any kind, it is forbidden to try to release the manually without being sure that the machine is switched off, its power sources cut off and any residual energy discharged, but also without having first secured the position of the moving parts against any possible undesirable movement due to falling or drifting and without having made sure that when the lock is released, there can be no unexpected movements or projections of machine parts, which could pose a risk of serious injury for the operators.

Use suitable gripping devices (e.g. extractors or special pliers) that allow you to work without being exposed to dangers. In case of doubts, request the assistance of professionally qualified personnel



WARNING

In the event of a power cut, the machine stops and no movement can be activated. During the power cut, if no further hazards are generated, it is advisable to unplug the machine. To restart the machine after a power cut, it is necessary to repeat the starting operations.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

ANOMALY	CAUSE	SOLUTION
The machine does not turn on	– Power plug disconnected.	– Insert the plug. – Check that it is powered or check the fuses ⁽¹⁾
The machine does not start	– Front mobile casing open – Upper fixed casing not positioned correctly – Plate not positioned correctly	– Close the front mobile casing – Check that the safety microswitches located on the upper casing are parallel (Figure 21) ⁽¹⁾ – Check that the plate is correctly positioned, with the screw above the relative sensor (Figure 22)
The motor is running but it does not make the plate turn	– Check the condition and tension of the belt.	– Tighten the belts ⁽¹⁾.

⁽¹⁾ operation to be carried out by a qualified technician.

For other anomalies not contemplated here, contact professionally qualified maintenance and technical assistance personnel.

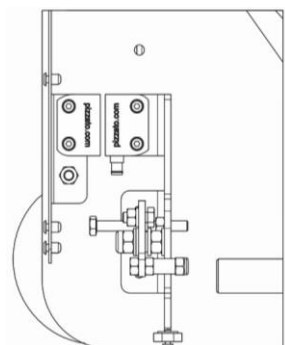


Figure 21

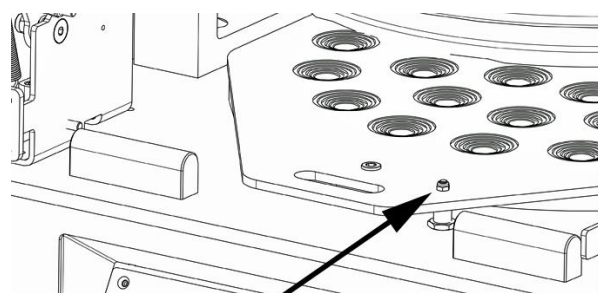


Figure 22

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

6.00 WARNINGS FOR SAFETY

6.01 SAFETY DEVICES

In conformity with Directive 2006/42/EC, the machines have to be adequately protected against potential risks for workers. The manufacturer, to this end, has performed a series of studies on the risks that are present and has enacted a procedure for reducing them based on criteria dictated by technical reference standards and by habitual manufacturing standards for guards and protective devices. The attached CE Declaration of Conformity identified, as required by law, the guidelines applicable to the product.

Residual risks (which it is impossible to totally eliminate) are indicated by adequate signals using pictograms and by descriptions of these risks in this operating and maintenance instruction manual. Safety devices are also present that make all work procedures safer.

The main safety devices present on the machine can be defined as follows:

Electrical safety devices. They are represented by the construction of the electrical system on the machine and executed according to the criteria indicated in the technical standard EN 60204-1 reference by virtue of the provisions of the applicable Directive 2014/35 / EU. A general switch is provided to allow disconnection of the power supply during maintenance operations. The electrical system is contained within the machine frame, and made inaccessible to the ordinary operator.

Protections of the fixed and interlocked type realized in conformity with the reference technical norm and with the tradition and technical knowledge of the product's project staff.

Failure to observe or neglect of the safety regulations can result in accidents that may be serious, and machine malfunctions with potential accidents while in use and under maintenance as a consequence.

For any doubts or clarifications, contact the manufacturing company, which will be pleased to make themselves available and to provide any possible help.

Remember that it is forbidden to make changes to the machine or perform maintenance not described in this manual and under any circumstance that is not authorized, in an official form by the manufacturing company.

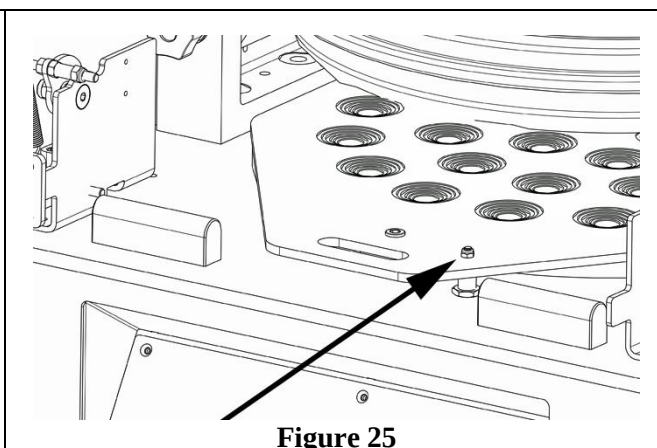
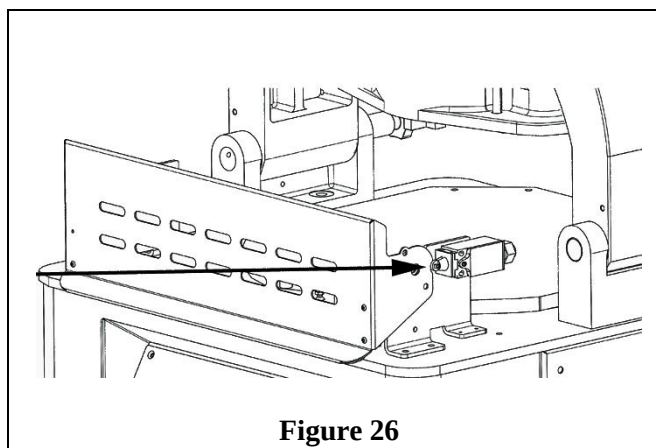
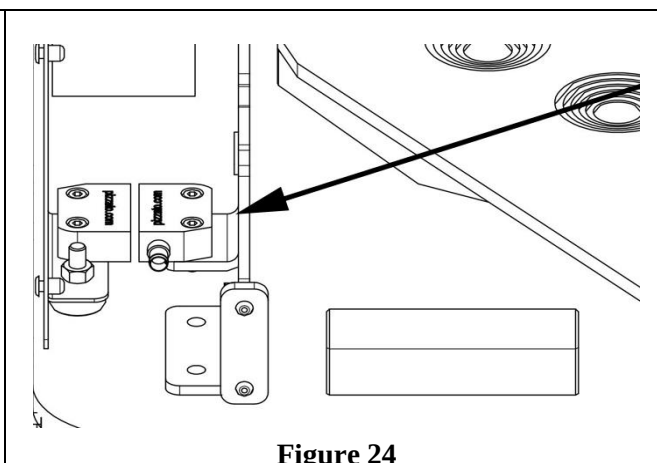
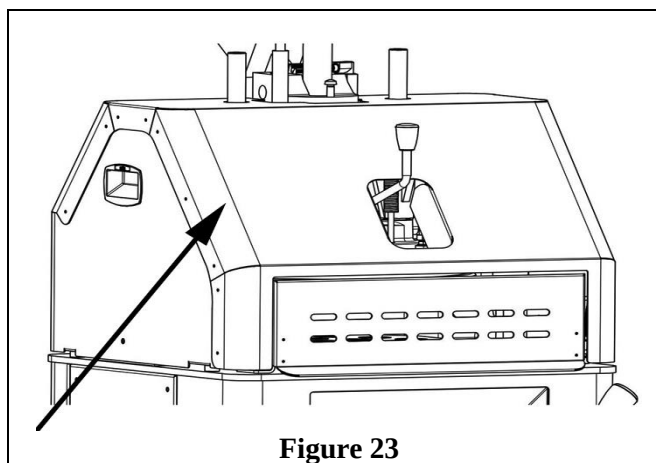
A machine that is incorrectly put into service could still be operational and reveal dangerous non-conformities only in subsequent periods.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

6.01.01 PROTECTIONS PRESENT ON THE MACHINE

Ref.	Description
Figure 23	Upper guards to protect internal drives
Figure 24	Coded magnetic microswitch installed on the removable upper guard
Figure 26	Microswitch installed on the front door that can be opened
Figure 25	Round plate detection sensor



WARNING

It is strictly forbidden to tamper with the safety devices installed on the machine in any way.

Any fixed protection guards that are removed for cleaning and / or maintenance operations must be reassembled in their original position and must be secured with the relative screws before restarting the machine.

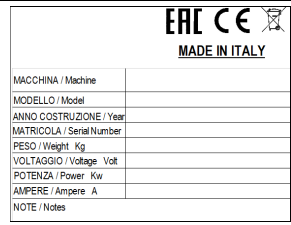
In the case of direct or indirect damage to people, things or animals resulting from tampering with the safety devices listed in the previous table, the manufacturer declines all responsibility.

USE AND MAINTENANCE MANUAL

DOUGH DIVIDER – ROUNDING MACHINE

6.01.02 ACCIDENT PREVENTION AND IDENTIFICATION PLATES SUPPLIED

There are some danger pictograms on the machine whose meanings and position are highlighted (**Figure 27**). In the event that such notices become illegible or fall off, the Customer must replace them with the same type and in the same position.

1		Plate containing the CE marking data of the machine (Figure 27).
2		Warns the operator of the risk of crushing the upper limbs. It is located (Figure 27): • on the single pictogram (3); • on the openable casing on the front of the machine; • near the cutting lever opening, • on the back of the machine, near the pressure lever rotation gear.
3		It indicates some general safety warnings in 5 languages and it is located on the machine frame (Figure 27). • the requirement to wear masks for the protection of the respiratory tract; • the presence of moving mechanical parts; • the presence of the risk of crushing the upper limbs; • prohibits the removal of the protective covers and safety devices; • the prohibition to perform adjustment, cleaning and maintenance operations with the machine parts in motion.
4		It informs the operator of the power supply voltage of the machine. It is located on the back of the machine near the power cable (Figure 27).
5		It signals the presence of the earth terminal. It is placed on the terminal connection point

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6.01.03 DIAGRAM OF POSITION OF PLATES AND PICTOGRAMS

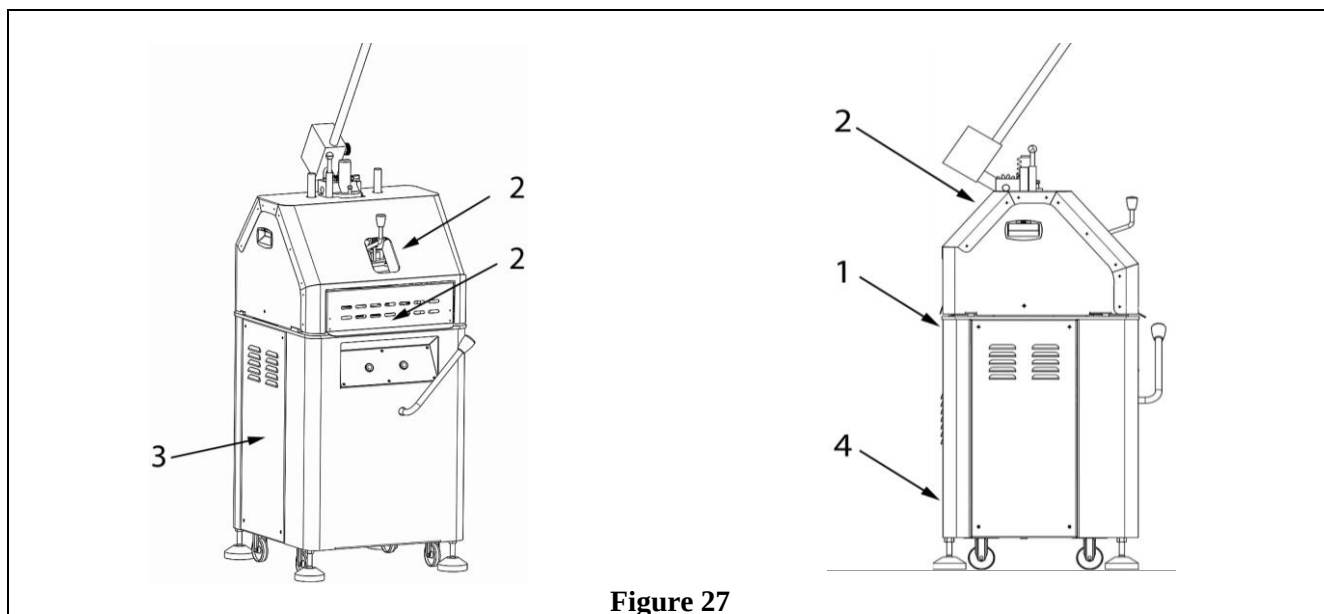


Figure 27

NOTE:

The position of the pictograms may differ slightly depending on the machine model purchased.



WARNING

With the machine running, the lids, casings, and protections must be intact in their functionality and secured to their respective structures.

6.01.04 RESIDUAL RISKS

The machine has been built in compliance with the safety standards described in the applicable regulations. The use of the machine in situations and methods other than those provided by the manufacturer can constitute risks that cannot be foreseen or verified. Pointed out here are some "RESIDUAL RISK" areas:

- Ergonomic hazard if the operator lifts or moves the machine without using suitable lifting devices or handling devices.
- Danger of inhaling flour dust if the operator does not wear adequate hygiene masks for the protection of the respiratory tract.
- Danger of the operator falling and sliding due to deposits of water, flour and products processed by the machine on the surrounding floor.
- Various hazards for the operator if the machine is connected to an electrical system that does not correspond to the technical specifications of the machine.
- Hazards of various nature caused by the vibrations generated by the machine during the rounding phase. Organise adequate work shifts.

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WARNING

On the front of the machine there is a rectangular slot to allow the operation of the cutting lever to be done manually (Figure 28). The slot has internal flaps that are folded to prevent potentially dangerous moving parts from being reached. Despite this, with the lever held manually in the rounding position, it is possible to reach some crushing points with the free hand and with objective difficulty. Given this residual risk, it is strictly forbidden to insert the upper limbs inside the slot during the operation of the machine and is indicated by a special pictogram.

On the rear of the machine there is the danger of crushing the upper limbs between the gear of the pressure lever and the upper fixed guard, exclusively under manual operation (Figure 29).

The operator's workplace is in front of the machine and makes it difficult to reach this danger. Despite this, the residual risk resulting from this is highlighted with a special warning pictogram.

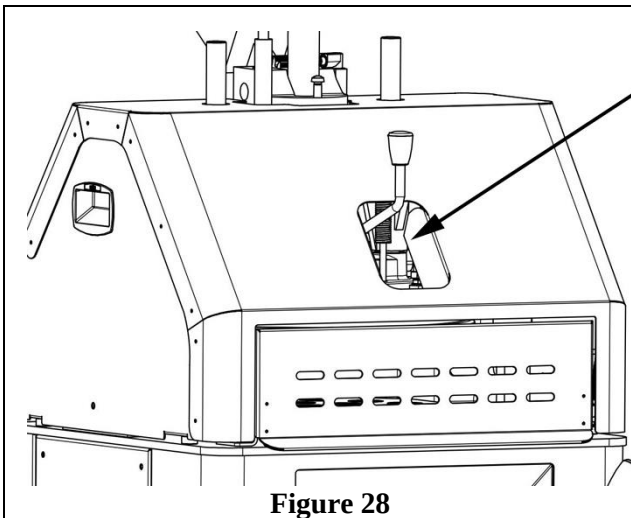


Figure 28

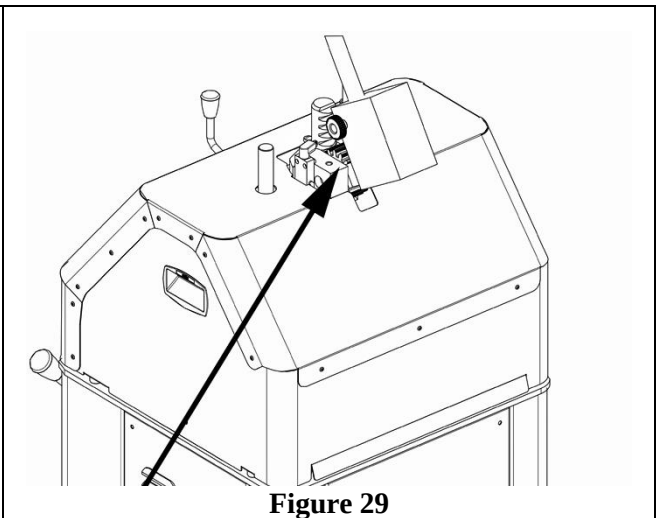


Figure 29

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6.02 PROHIBITIONS AND OBLIGATIONS FOR ACCIDENT PREVENTION

Carefully read the following warnings because they provide important safety directives.

- Do not tamper with the safety devices.
- Do not disassemble and / or tamper with the fixed and movable protective guards.
- Do periodically inspect and keep in efficiency the control and safety devices.
- Do not install accessories that are not in conformity with safety regulations.
- In the event of dangerous situations, stop the functions of the machine and disconnect the power supply by intervening on the line selector.



WARNING

Access panels to internal parts of the machine must not be tampered with, removed and/or opened unless this is absolutely necessary. This must only be done by professionally qualified and/or technical service personnel.

The machine processes finely ground organic products (flour). In order to avoid inhaling the powder and spreading it in the environment, it is advisable to handle the ingredients carefully.

6.02.01 PROCEDURE IN CASE OF FIRE

In case of fire, use CO₂ extinguishers or ones with other dry agents. It is forbidden to use water extinguishing systems to extinguish fires on live equipment.

In the event of a fire, you must immediately move away from the machine and stay safe. Use a fire extinguisher only in safe conditions. If the fire has not yet taken on considerable and dangerous proportions for the operator, before intervening, cut the power supply by disconnecting the machine from the power supply.



WARNING

The machine processes finely ground organic products (flour). Flour powder is a product that can cause fires and explosions. Always respect the manufacturer's instructions and always check the danger of the products you intend to work beforehand.

The user must always check that the workplace of the machine meets the fire requirements set forth by the laws in force.

6.03 NOISE LEVELS

In the normal conditions of use, the machine generates a level of acoustic pressure equivalent to:

- Leq=<70dB(A) when running empty
- Leq=<70dB(A) with the machine operating (description of the work phase taken as a sample for the survey) with a weighted cycle of 5 minutes (variable).



WARNING

The end user will be responsible for checking that the declared noise levels comply with the actual ones at the workplace in the real operating conditions, requiring the use of appropriate PPE for operators

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7.00 WARRANTY

The warranty provided by the manufacturer extends for a period of twelve months from the date of delivery. The warranty means the replacement of the piece only. Electrical and motor parts are excluded. Any request for assistance with one of our technicians will be charged to the customer.

8.00 SPARE PARTS

To order the necessary spare parts, contact our customer service. The request must be sent to the manufacturer in writing, by e-mail or fax.

The request must contain at least:

- Serial number / series of the machine.
- Machine model.
- Part number.
- Spare part.
- Desired quantity of pieces.

01	Motor	06	Foot
02	Belt	07	Door microswitch
03	¼ Nylon ring	08	Press lower micro-switch
04	Dough divider plates	09	Head guard sensor
05	Control panel	10	Ring sensor

The spare parts list for the purchased planetary mixer model is attached to this use and maintenance manual.

9.00 WIRING DIAGRAMS

The wiring diagram of the purchased planetary mixer model is attached to this use and maintenance manual.

NOTE:

For the break value of the overcurrent device, refer to the wiring diagram of the machine.