

07/2013

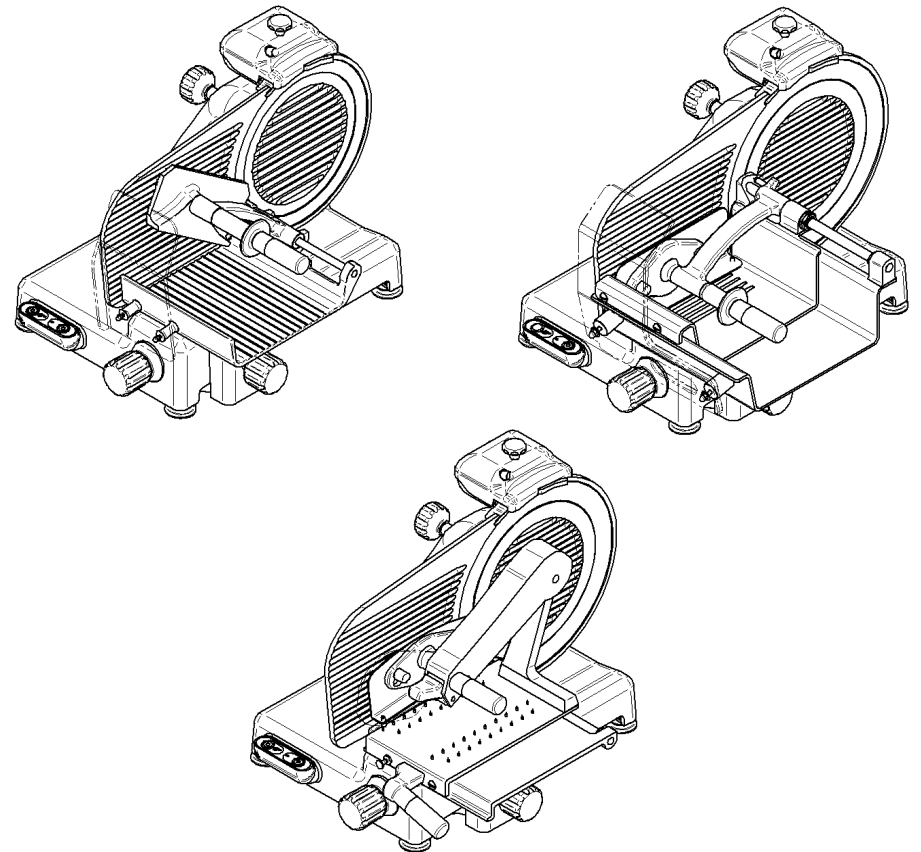
Mod: 350/VCS-N

Production code: 15352502S



Diamond
catering equipment

Professional slicers CE



Operating and Maintenance Manual

INTRODUCTION

- This manual has been re-presented to provide the **Client with all the information** on the machine and its safety regulations, and also the use and maintenance instructions which permit using the machine in the best way and maintaining its efficiency throughout time.
- This manual must be kept in its entirety until the machine is disposed of.
- This manual should be given to personnel in charge of the use and periodic maintenance of the machine.

INDEX OF CHAPTERS

CHAP. 1 - RECEIVING THE MACHINE

page 4

- 1.1 - PACKAGE
- 1.2 - CHECKING THE PACKAGE UPON DELIVERY

CHAP. 2 - INSTALLATION

page 6

- 2.1 - UNPACKING
- 2.2 - POSITIONING
- 2.3 - ELECTRICAL CONNECTION
 - 2.3.1 - Slicer with single-phase motor
 - 2.3.2 - Slicer with 400 V. three-phase motor
 - 2.3.3 - Blade rotation direction
 - 2.3.4 - Slicer with 230 V. three-phase motor
 - 2.3.5 - Electrical connection modification
- 2.4 - 115 V. ELECTRICAL DIAGRAM - SINGLE-PHASE 230 V. - THREE-PHASE 230 V. - THREE-PHASE 400 V. - PUSH-BUTTON PANEL
 - 2.4.1 - 115 V. tension selection
 - 2.4.2 - Single-phase 230 V. tension selection
 - 2.4.3 - Three-phase 230 V. tension selection
 - 2.4.4 - Three-phase 400 V. tension selection
- 2.5 - PRELIMINARY CHECK

CHAP. 3 - INFORMATION ON THE MACHINE

page 11

- 3.1 - GENERAL PRECAUTIONS

CHAP. 4 - GETTING TO KNOW THE SLICER

page 13

- 4.1 - CONSTRUCTION FEATURES
- 4.2 - SAFETY DEVICES INSTALLED ON THE MACHINE
 - 4.2.1 - Mechanical safety
 - 4.2.2 - Electrical safety
- 4.3 - DESCRIPTION OF THE MACHINE
- 4.4 - OVERALL DIMENSIONS, WEIGHT, FEATURES....

CHAP. 5 - MACHINE USE

page 20

- 5.1 - OPERATIONAL CHECK
- 5.2 - LOADING AND CUTTING THE PRODUCT
- 5.3 - SHARPENING THE BLADE

CHAP. 6 - ROUTINE CLEANING

page 23

- 6.1 - GENERALITIES
- 6.2 - CLEANING THE MACHINE
 - 6.2.1 - Cleaning the goods holder plate
 - 6.2.2 - Cleaning the blade, the bladeguard and the ring
 - 6.2.3 - Cleaning the sliceguard
 - 6.2.4 - Cleaning the sharpener
- 6.3 - SLIDE GUIDES LUBRICATION

CHAP. 7 - MAINTENANCE

page 26

- 7.1 - GENERALITIES
- 7.2 - BELT
- 7.3 - FEET
- 7.4 - FEEDING CABLE
- 7.5 - BLADE
- 7.6 - GRINDERS
- 7.7 - SLIDE GUIDES LUBRICATION
- 7.8 - PUSH-BUTTON PANEL LABEL

CHAP. 8 - DISMANTLING

page 27

- 8.1 - PUTTING OUT OF SERVICE
- 8.2 - WEEE Waste of Electric and Electronic Equipment

CHAP. 1 - RECEIVING THE MACHINE

1.1 - PACKAGE

The slicer is shipped in a package which consists of (Fig. n°1): cardboard box, wooden pallets and protective nylon. They should be disposed of separately and according to the norms in force in the country of installation.

	Dimensions AxBxC (mm)	Gross weight (Kg)
MT 300 VCO	870x840x750	50
MT 300 VCS	870x840x750	52
MT 300 BS	870x840x750	51,5
MT 330 VCO	870x840x750	51
MT 330 VCS	870x840x750	53
MT 330 BS	870x840x750	52
		52
MT 350 VCS	870x840x750	54
MT 350 BS2	870x840x750	53

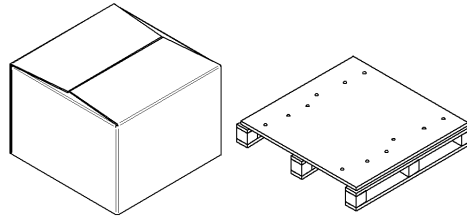


Fig. n°1

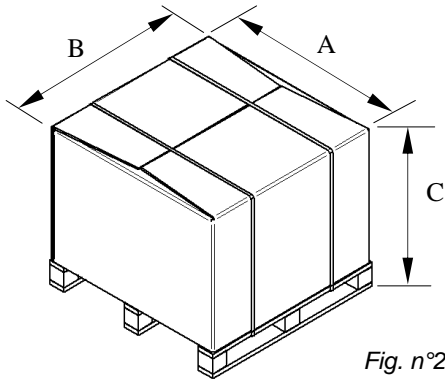


Fig. n°2



WARNING!

Do not place more than one of the same package on top (Fig. n°3).

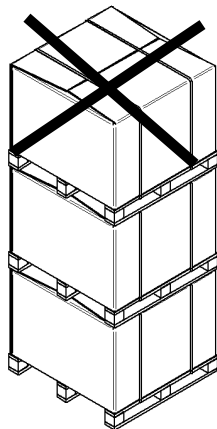


Fig. n°3



Do not expose the package to humidity or rain (Fig. n°4).

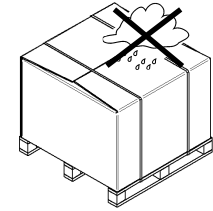


Fig. n°4



Heavy package. Do not lift manually unless with help of at least three people (Fig. n°5).

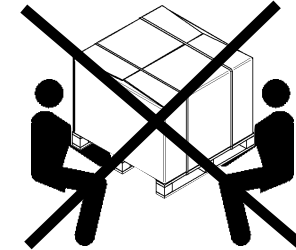


Fig. n°5



Move the package only by electrical trolleys or manually, equipped with lifting straps (Fig. n°6).

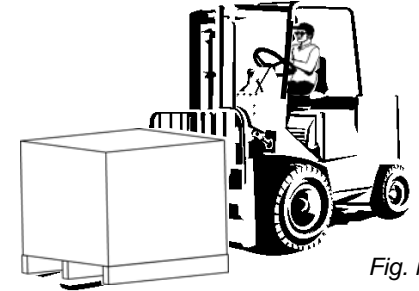


Fig. n°6



Since the center of gravity is not in the middle of the package, moving it suspended by chords or similar systems is not advisable (Fig. n°7).

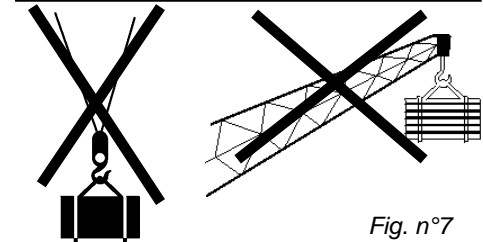


Fig. n°7

1.2 - CHECKING THE PACKAGE UPON DELIVERY

When the package is received, if there is no external damage proceed to opening it, making sure that all material is inside. If the package upon delivery shows signs of tampering (Fig. n°8), impact or fall, it is necessary to present the damage to the carrier, and within 3 days of the delivery date, indicated on

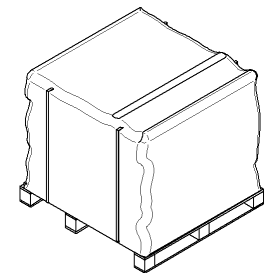


Fig. n°8

the documents, make a precise report on the damage to the machine. Do **not overturn the package!!** When transporting it make sure that it is firmly held by the four corners (keeping it parallel to the floor).

CHAP. 2 - INSTALLATION

! WARNING!

All operations must be carried out by specialized personnel (Fig. n°9).



Fig. n°9

2.1 - UNPACKING

Remove the straps from the package (Fig. n°10) and lift the cardboard (h). The package should be:

- the machine on the pallet (Fig. n°11 detail a);
- blade extractor (Fig. n°11 detail e);
- 4 feet (Fig. n°11 detail f);
- Case, if present (Fig. n°11 detail b).

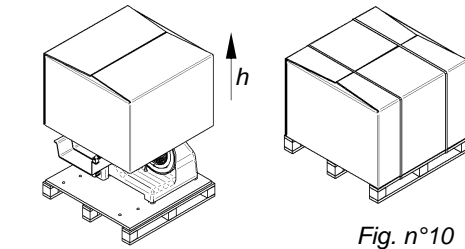


Fig. n°10

Check inside the suitcase if it present, find the following components:

- (Fig. n°11):
1. Instruction manual (detail d) ;
 2. CE compliance certificate (detail c);
 3. Audio-visual cd;
 4. Liquid detergent with sprayer;
 5. Oil tube;
 6. Sharpening and burring grinders;
 7. Socket wrench to remove grinders;
 8. Grinders brush;
 9. Large and small screwdrivers.
 10. Pliers.

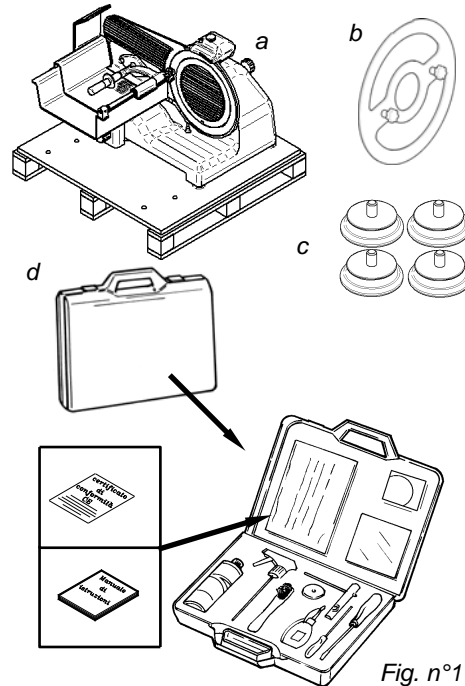


Fig. n°11

2.2 - POSITIONING

Position the pallet, with the slicer, on a flat surface and take off (a) the cap from the slicer (Fig. n°12).

At this point turn the machine on its side (Fig. n°13) and unscrew, with the proper wrench provided, the 4 nuts which fasten the slicer. Remove the 4 washers and unscrew the 4 fastening tie rods on the wooden pallet. Take off the pallet and fasten the 4 feet provided. Finally, put the cap in its place. Position the slicer in the predestined place.

The dimensions indicated in Tab. 1-2-3 (according to the model) must be kept in mind for the plane where the slicer will be installed, therefore it must be wide enough, well-levelled, dry, smooth, robust, stable about 80 cm high off the ground and at least 20 cm from walls, objects, shelves, etc. (Fig. n°14) in respect to the space necessary for its use and safeguarding. Furthermore the machine must be placed in an environment with a maximum humidity of 75%, not salty and with a temperature between +5°C and +35°C; in any case in environments which do not lead to deviations of the above.

Make sure the graduated hand grip is in position "0".

Check the alignment of the blade-plane thickness gauge by running a finger (Fig. n°16) from the blade towards the thickness gauge plane (never in the opposite direction). Unscrew and screw the feet on the operator's side until the correct alignment is found (Fig. n°17).

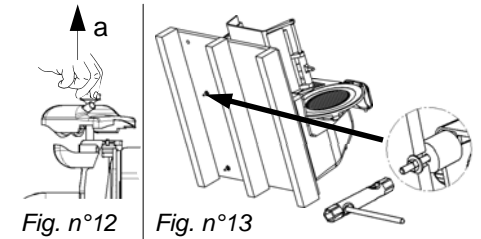


Fig. n°12

Fig. n°13

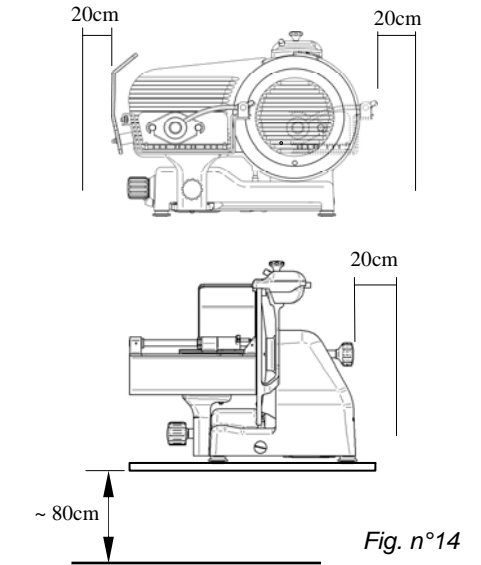


Fig. n°14

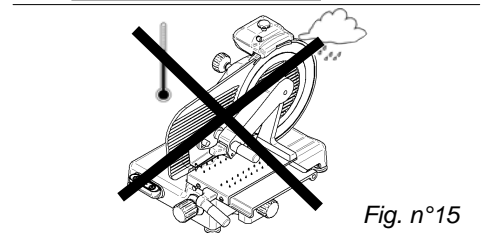


Fig. n°15

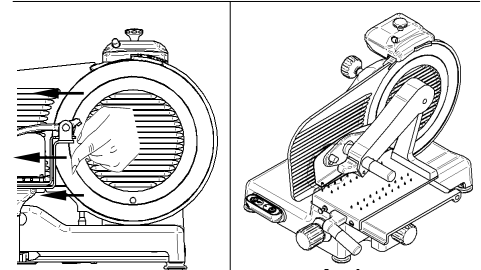


Fig. n°16

Fig. n°17

2.3 - ELECTRICAL CONNECTION

Check that the data reported on the technical-part number plate (Fig. n°18), in the delivery documents, correspond in the right order; contact the supplier for clarification if they do not.

At this point make sure that the system is standard and that the cable and grounding system perfectly operate.

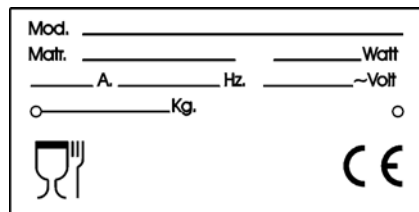


Fig. n°18

2.3.1 - Slicer with single-phase motor

The slicer is equipped with a feeding cable with a cross section area of 3x1mm²; length \cong 1.5m and a "SHUKO" plug. Connect the 230 V. - 50 Hz slicer, interposing a magnetothermic differential switch of 10A, $\Delta I=0.03A$.

2.3.2 - Slicer with 400 V. three-phase motor

The slicer is equipped with a feeding cable with a cross section area of 5x1mm², length \cong 1.5m and a red 15A 3F + T CEI plug. Connect the slicer to the 400 V. - 50Hz three-phase supply mains, interposing a magnetothermic differential switch of 10 A, $\Delta I=0.03A$.

2.3.3 - Blade rotation direction

Check the direction of the blade rotation with a pulse of the "I" push-button (ON), immediately followed by the "0" push-button OFF.

The direction of the blade rotation must be counter-clockwise when looking at the slicer from the bladeguard side (Fig. n°19). In the case that the rotation direction is not exact, invert (Fig. n°20) the position of two of the three phase wires (black, gray or brown) in the plug.

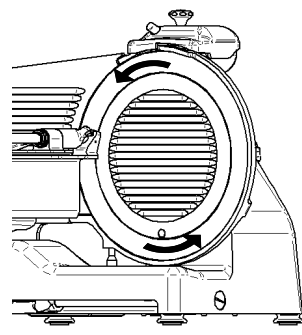


Fig. n°19

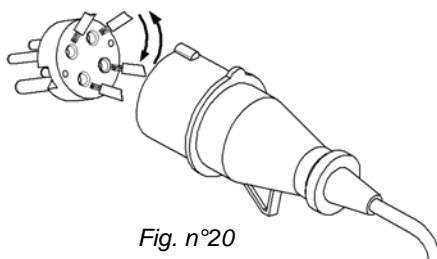


Fig. n°20

2.3.4 - Slicer with 230 V. three-phase motor

The slicer is equipped with a feeding cable with a section area of 5x1mm²; length \cong 1.5m and a blue 15A 3F + T CEI plug.

Connect the slicer 230 V. - 50 Hz three-phase supply mains, interposing a magnetothermic differential switch of 10A, $\Delta I=0.03A$.

Check that the direction of the blade rotation is counter-clockwise looking at the slicer from the side of the bladeguard. If not proceed as in 2.3.3.

2.3.5 - Electrical connection modification

Unless otherwise specified, the slicers are equipped with 400 V. three-phase connection. To modify the connection carefully follow these instructions:

- remove the plug from the electric network;
- turn the slicer on the side opposite the trolley;
- take off the yellow cover from the electrical box;
- remove the motor cables from the electronic card;
- connect wires from the motor that have the same color (white-white, blue-blue, etc.);
- reconnect them to the electronic card;
- check the positioning of the feed selection plugs on the electronic card (Fig. n° 21);
- close the box, reposition the slicer and proceed as in paragraph 2.3.3.

2.4 - 115 V. ELECTRICAL DIAGRAM - 230V. SINGLE-PHASE - 230V. THREE-PHASE - 400V. THREE-PHASE, PUSH-BUTTON PANEL

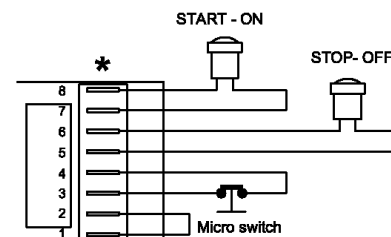
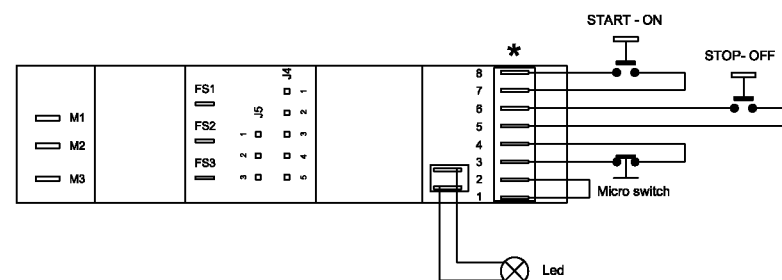
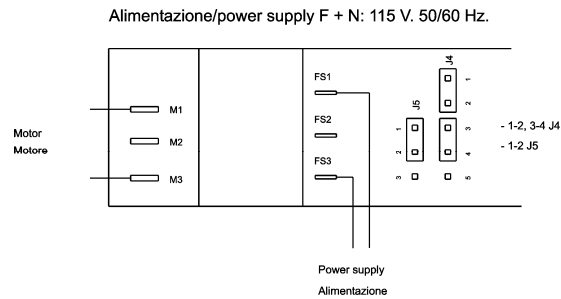
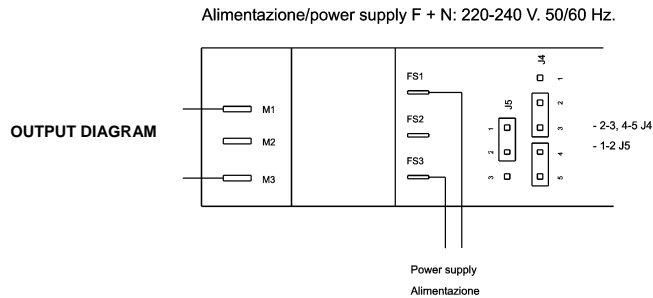


Fig. n°21

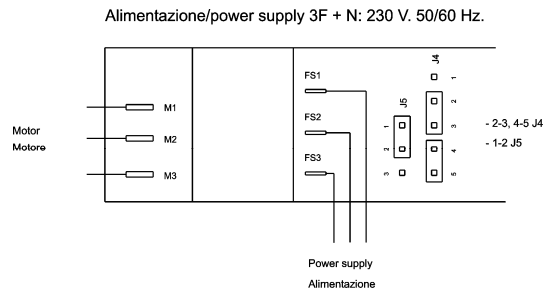
2.4.1 - 115 V. tension selection



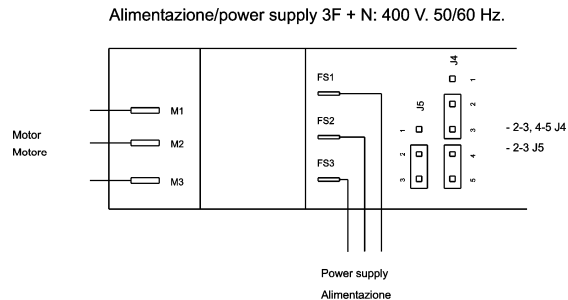
2.4.2 - Single-phase 230 V. tension selection



2.4.3 - Three-phase 230 V. tension selection



2.4.4 - Three-phase 400 V. tension selection



2.5 - PRELIMINARY CHECK

Before testing make sure the goods holder plate is well-blocked, after which test functioning with the following procedure:

- Push the "ON" push-button and the "OFF" push-button Fig. n°22;
- check if by unscrewing the blade guard tie rod the machine stops working;
- Check if the machine does not start automatically by removing the plug and reinserting it while the machine is running.

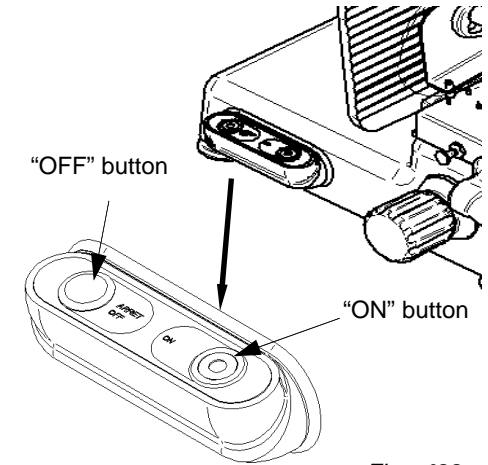


Fig. n°22

CHAP. 3 - INFORMATION ON THE MACHINE

3.1 - GENERAL PRECAUTIONS

The general precautions, even though they appear obvious, are fundamental for the installation, use, maintenance and possible inconveniences with their respective solutions.

- The slicer has been designed to cut fresh boneless meats and pork products (Fig. n°23). Any other use, including cutting vegetables, is considered inappropriate and therefore dangerous.

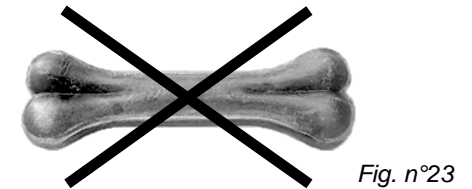


Fig. n°23

- The Manufacturer is not responsible in the following cases:
 - ⇒ the machine is tampered with by unauthorized personnel;
 - ⇒ components are substituted with unoriginal parts;
 - ⇒ the instructions in this manual are not followed carefully;
 - ⇒ the surfaces of the machine are treated with inappropriate products.
- Keep this manual in a safe place for future information or consultation (Fig. n°24).

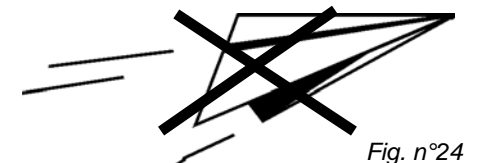
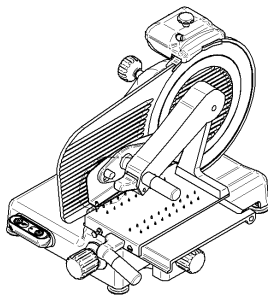


Fig. n°24

- The slicer must only be used by trained personnel who know the safety norms contained in this manual perfectly.



- In the case of an alteration in personnel, give time for training.



- Do not allow the slicer to be used by children or by untrained people (Fig. n°25).

- Before carrying out any cleaning or maintenance operation, disconnect the machine plug from the electrical network.



WARNING!

- When carrying out routine maintenance or cleaning of the slicer (and therefore the guards are removed), carefully evaluate the residual risks.
- During maintenance or cleaning stay concentrated on the operations.
- Do not use corrosive or flammable substances to clean the slicer (Fig. n° 26); **only use the product provided.**

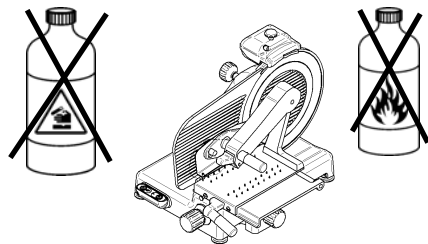


Fig. n°26

- To clean the slicer carefully follow the instructions in the chapter: "Routine cleaning".
- Do not wash the slicer in a dishwasher (Fig. n°27) or with water jets, do not immerse it in water or in other liquids.

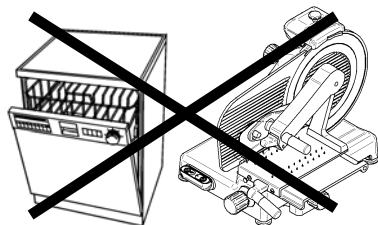


Fig. n°27

- Do not leave the slicer exposed to damaging agents: sun, rain, sprays, humidity, ice (Fig. n°28).

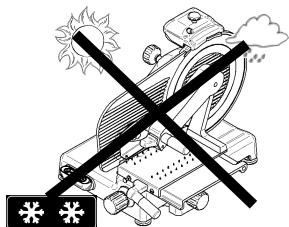


Fig. n°28

- Do not pull the slicer or the feeding cable (Fig. n°29) to unplug it.
- Regularly check the state of the feeding cable; a worn out cable or in any case not intact represents a serious electrical danger.
- If the machine remains unused for long periods of time, before using it again have it checked by a "Service Center".
- If the slicer should show signs of malfunctioning it is advisable to turn it off and to not use it, to not directly intervene for repairs, and to contact the "Service Center", shown on the back of this manual.
- Do not leave the slicer uselessly plugged in. Unplug the machine when it is not being used.
- Even if safety devices are installed on dangerous points of the machine, avoid placing hands near the blade and other moving parts.
- **Never cut the product, by now finished, without the aid of the goods pressing arm.**
- **Do not assume positions that bring body parts in direct contact with the blade.**

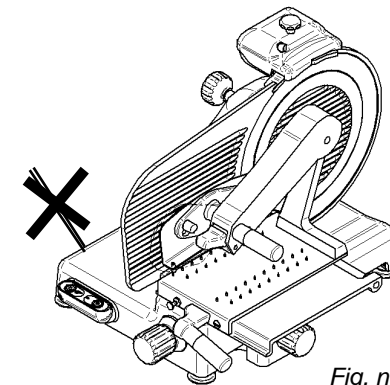


Fig. n°29

CHAP. 4 - GETTING TO KNOW THE SLICER

4.1 - CONSTRUCTION FEATURES

The slicer is made of an anodized alluminum alloy (Peraluman AlMg5). It guarantees contact with food-stuffs (hygienic) and is resistant to acids and salts apart being highly resistant to oxidation.

The blade is in 100 Cr6 rectified, chromium-plated and hardened steel assuring a precise and net cut of the product even after being sharpened. The majority of the other components present are in:

- ABS;
- Plexiglass shockproof (handguard);
- Stainless steel.

LEGEND:

- | | |
|----------------------------------|--|
| 1 - Cap | 14 - Ring |
| 2 - Bladeguard tie rod hand grip | 15 - Cap hand grip |
| 3 - Thickness gauge plane | 16 - Goods presser hand grip |
| 4 - Base | 17 - Sliding plate |
| 5 - Foot | 18 - Goods presser handguard |
| 6 - Push-button panel | 19 - Plate hand grip |
| 7 - Graduated hand grip | 20 - Sliceguard |
| 8 - Handguard | 21 - Sliceguard hand grip |
| 9 - Stem | 22 - Thickness gauge plane cover |
| 10 - Stem hand grip | 23 - Thickness gauge plane cover hand grip |
| 11 - Goods holder plate | 24 - Blade |
| 12 - Goods presser arm | 25 - Food pusher |
| 13 - Bladeguard | 26 - Food pusher hand grip |

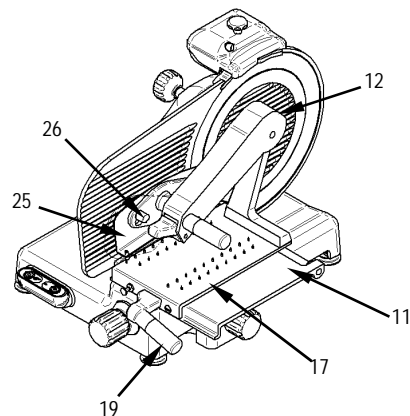
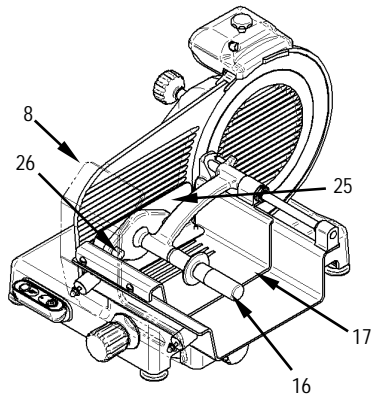
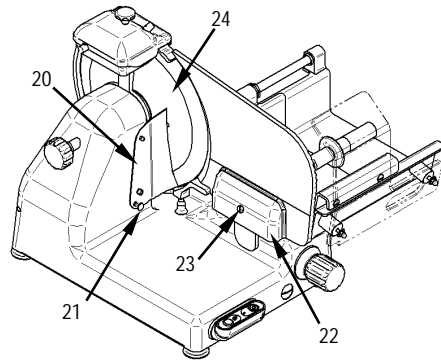
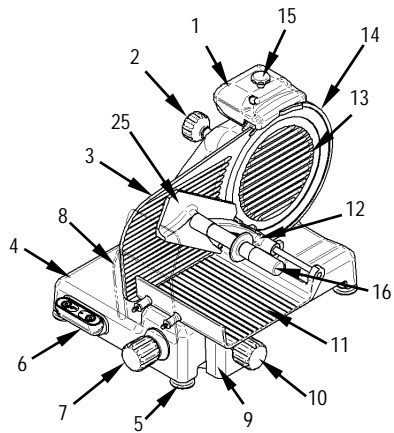


Fig. n°30

4.2 - SAFETY DEVICES INSTALLED ON THE MACHINE

4.2.1 - Mechanical safety

As far as mechanical safety is concerned, the slicer described in this manual responds to:

- **CEE 2006/42** machine directives.

Safety is made possible by the:

- bladeguard (Fig. n°31 ref. n°1);
- ring (Fig. n°31 ref. n°2);
- cap (Fig. n°31 ref. n°3);
- goods presser (Fig. n°31 ref. n°4);
- goods presser hand grip (Fig. n°32 ref. n°5);
- handguard (Fig. n°32 ref. n°6);
- Trolley transported only when thickness gauge plane is at "0", at the end of the run and towards operator side.

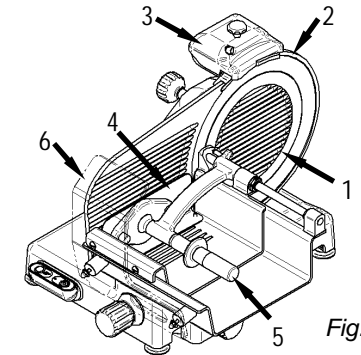


Fig. n°31

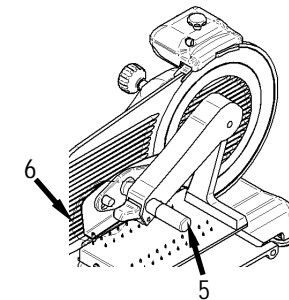


Fig. n°32

4.2.2 - Electrical safety

As far as electrical safety is concerned, the slicer described in this manual responds to:

- the **CEE 2006/95** low tension directive;
- the electromagnetic compatibility directive **2004/108**.

The slicer is therefore provided with:

- a microswitch on the bladecover that causes the machine to stop in case of the removal of the bladeguard tie rod, and prohibits it from turning on if the device is not closed (Fig. n°33);

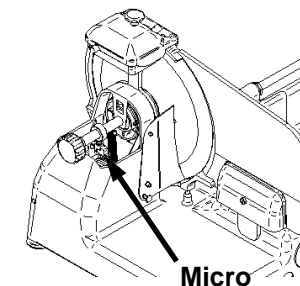
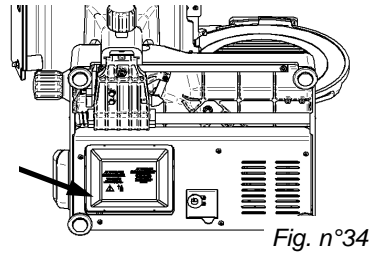


Fig. n°33

- A relay in the control circuit, that requires the machine to start up again in case of an accidental loss of electricity (Fig. n°34).

Relay in circuit



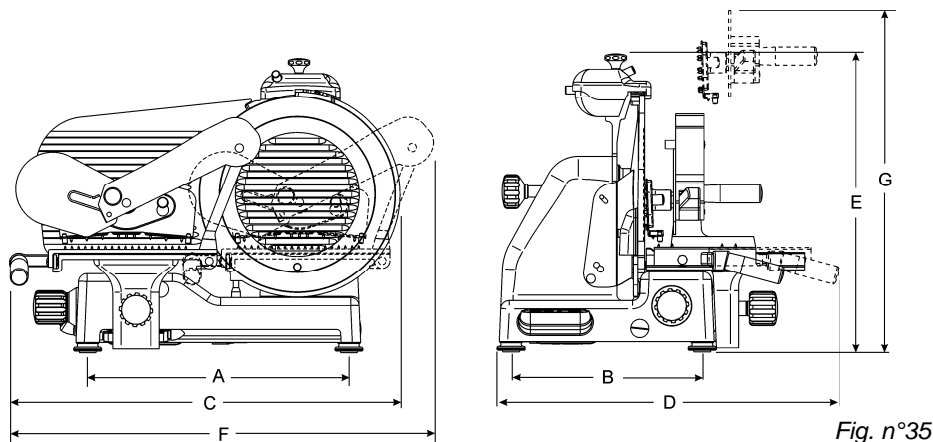
Even though the professional **CE** slicers are equipped with the standard measures for electrical and mechanical protection (both while operating and during cleaning and maintenance), **RESIDUAL RISKS** which cannot be completely eliminated in any case exist, highlighted in this manual under the form of **WARNING**. They concern the danger of cutting, bruising and other caused by the blade or by other machine parts.

4.3 - DESCRIPTION OF THE MACHINE

Professional **CE** slicers have been designed and made by our company with the precise purpose of cutting food products (like lunch meat and meats) and they guarantee:

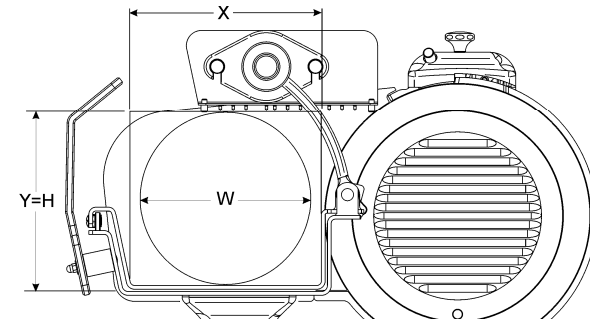
- maximum safety in use, cleaning and maintenance;
- maximum hygiene, thanks to a meticulous selection of materials that come in contact with the food products, and with the elimination of the edges in the parts of the slicer that come into contact with the product, in a way that it can be easily and totally cleaned not to mention easily disassembled;
- maximum cutting precision thanks to the cam mechanism;
- all components are robust and stable;
- maximum silence thanks to the belt transmissions;
- very easy to handle.

4.4 - OVERALL DIMENSIONS, WEIGHT, FEATURES ...



TAB. n°1 - DIMENSION MEASUREMENTS AND TECHNICAL FEATURES

MODEL	U.m.	MT 300 - 330 - 350 VCO			
Blade diameter	mm	300	330	350	
AxB	mm	468x338	468x338	468x338	
CxDxE	mm	635x652x500	645x652x515	660x652x530	
FxDxG	mm	677x652x520	677x652x520	677x652x520	
Hopper	mm	255x240	255x240	280x260	
Run of carriage	mm	310	310	310	
X Y H W	mm	260 230 230 230	260 245 245 245	260 255 255 255	
Cut thickness	mm	29	29	29	
Motor	W/HP	275/0,37	275/0,37	275/0,37	
Net weight	Kg	35	36	37	
Power source		230-400 V / 50 Hz			
Noise level	dB	≤ 60			

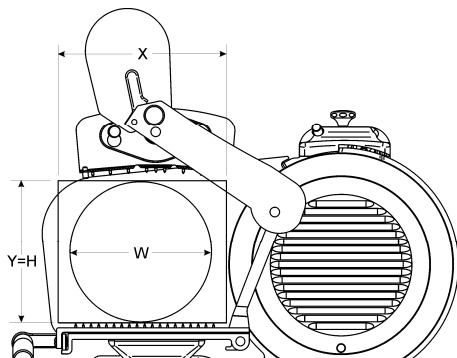


WARNING:

The electrical features of the machine are shown on a plate on the back of the machine.

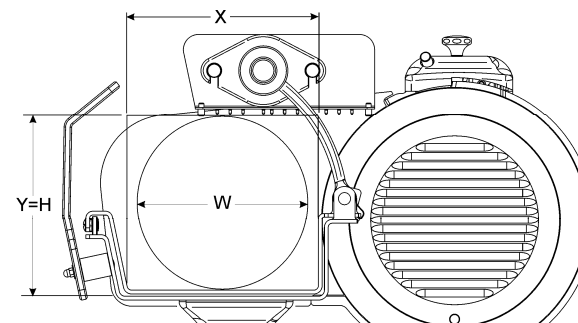
TAB. n°2 - DIMENSION MEASUREMENTS AND TECHNICAL FEATURES

MODEL	U.m.	MT 300 - 330 - 350 BS		
Blade diameter	mm	300	330	350
AxB	mm	468x338	468x338	468x338
CxDxE	mm	635x600x500	645x600x515	660x600x530
FxDxG	mm	750x600x695	750x600x705	750x600x715
Hopper	mm	300x270	300x270	300x270
Run of carriage	mm	310	310	310
X Y H W	mm	270 230 230 230	270 245 245 245	270 255 255 255
Cut thickness	mm	29	29	29
Motor	W	275/0,37	275/0,37	275/0,37
Net weight	Kg	36,5	37	38
Power source		230-400 V / 50 Hz		
Noise level	dB	≤ 60		



TAB. n°3 - DIMENSION MEASUREMENTS AND TECHNICAL FEATURES

MODEL	U.m.	MT 300 - 330 - 350 VCS		
Blade diameter	mm	300	330	350
AxB	mm	468x338	468x338	468x338
CxDxE	mm	635x685x500	645x685x515	660x685x530
FxDxG	mm	720x685x560	720x685x560	720x685x560
Hopper	mm	340x250	340x250	340x250
Run of carriage	mm	310	310	310
X Y H W	mm	250 225 225 225	250 235 235 235	250 245 245 245
Cut thickness	mm	29	29	29
Motor	W	275/0,37	275/0,37	275/0,37
Net weight	Kg	36	37	38
Power source		230-400 V / 50 Hz		
Noise level	dB	≤ 60		



CHAP. 5 - MACHINE USE

5.1 - OPERATIONAL CHECK

For the 1° use follow these instructions:

- check that installation has been carried out correctly as in **chapter 2**;
- check that the hopper is well fastened with the lock hand grip (*Fig. n°36 ref.1*);

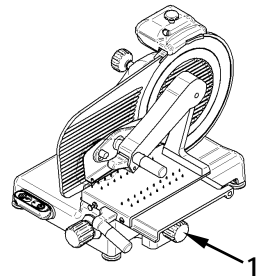


Fig. n°36

- check the sliding of the hopper and that it is free of obstacles on the work counter for all of its run (*Fig. n°37 ref.a*);
- check that the goods pressing arm easily rises and lowers so that it is not impeded in all its movement (*Fig. n°37 ref.b*);

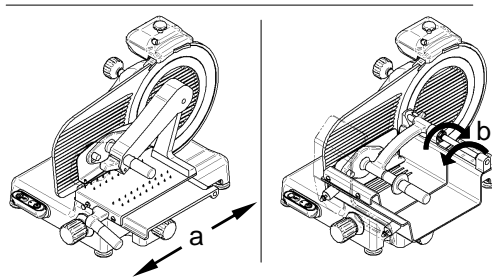


Fig. n°37

- check the opening of the thickness gauge plane by making the numbered hand grip turn clockwise and counter-clockwise (*Fig. n°38 ref.c*);

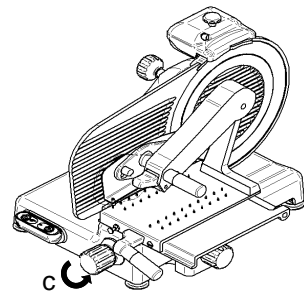


Fig. n°38

- check that the sharpener is well fastened to the machine and that it is easy to extract and free of obstacles (*Fig. n°39 ref.d*).

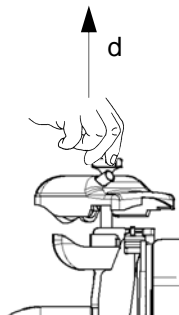


Fig. n°39

5.2 - LOADING AND CUTTING THE PRODUCT

WARNING: The goods to be cut are loaded on the hopper only with the graduated hand grip at "0" and the motor stopped, being careful with the blade and the points.

Adhere to the following procedure:

1. Lift the goods presser, load the goods on the hopper, bringing it close to the thickness gauge, block it with the proper toothed arm;
2. regulate the desired thickness of the cut with the graduated hand grip;
3. assume a correct position to avoid accident: place the right hand on the goods presser hand grip and, then the left hand next to the slice guard to take the cut product (**without touching the blade**); the body must be perpendicular to the work plane (*Fig. n°40*).

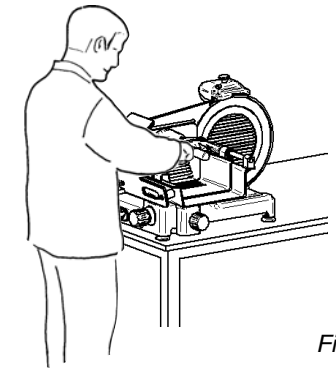


Fig. n°40

WARNING: Do not assume positions which bring body parts in direct contact with the blade (*ex. Fig. n°41*);

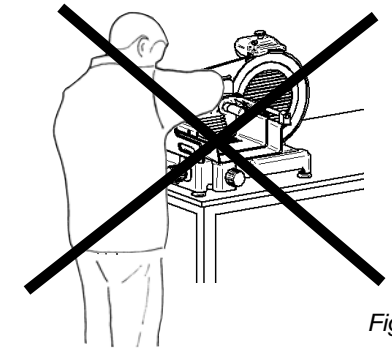


Fig. n°41

4. then push the "ON" push-button;
5. push the carriage (hopper + goods presser arm + stem) gently towards the blade, without applying excessive pressure on the goods with the goods presser arm. The goods will easily enter the blade, and the slice guided by the proper slice guard will detach and fall on the plane (*Fig. n°42*);
6. avoid running the slicer when empty;
7. at the end of the cutting operation, stop the machine by putting the switch in the "OFF" position and put the graduated hand grip at "0";

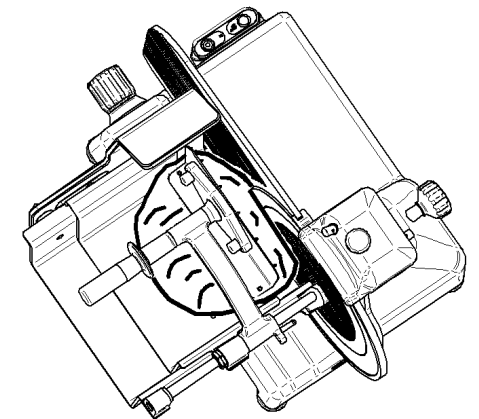


Fig. n°42

8. Carry out resharpening the blade as soon as the cut product has a threaded

or rough surface, therefore the cutting effort increases (chapter 5.3).

5.3 - SHARPENING THE BLADE

WARNING: Before starting to sharpen the blade, pay attention to RESIDUAL RISKS (chapter 4.2.2) concerning the dangers of cutting without having followed the instructions listed below.

To sharpen the blade, which needs to be done periodically as soon a decrease in cutting is noticed, the following directions must be adhered to:

1. disinsert the plug from the outlet and carefully clean the blade with denatured alcohol so it is degreased;
2. lift (a) the sharpener cap (1) and turn it 180° (b Fig. n°43);

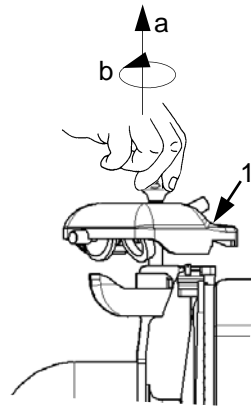


Fig. n°43

3. let it go in a way that the cap (c) fits on the locator pins (d Fig. n°44);
4. check also that the blade stays between the two grinders;

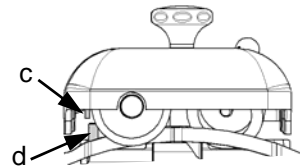


Fig. n°44

5. insert the pin and start the machine, by pressing the "ON" push-button;
6. press the push-button (2 Fig.n°45), let the blade rotate in contact with the grinder for about 30/40 sec. so that a slight burr forms on the blade edge;

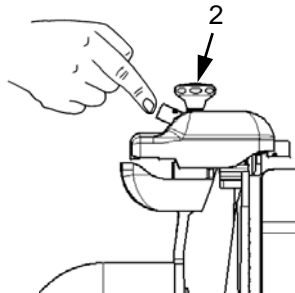


Fig. n°45

7. press the 2 push-buttons (2 and 3) contemporaneously for 3/4 sec. and release them in the same instant (Fig. n°46);
8. after having completed the sharpening it is advisable to clean the grinders and the blade (chapter 6.2.3);
9. once the operation is finished, replace the sharpening device in its original position, doing the procedure in reverse.

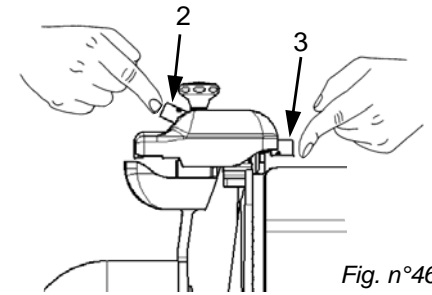


Fig. n°46

N.B.: Do not carry on the deburring operation for more than 3/4 sec. to avoid the damaging bending of the blade edge.

CHAP. 6 - ROUTINE CLEANING

6.1 - GENERALITIES

- Cleaning the machine must be carried out at least once a day or, if necessary, more frequently .
- All the parts of the slicer that come in direct or indirect contact with the food to be cut must be scrupulously cleaned.
- The slicer must not be cleaned with water cleaning machines or water jets, but with the product provided and/or with neutral detergents (pH 7). **The use of any other detergent is prohibited.** Utensils, brushes and whatever else could damage the machine surface must not be used.

Before carrying out any cleaning operation it is necessary to:

1. disconnect the plug from the electrical network to completely isolate the machine from the rest of the system;
2. Bring the graduated hand grip which regulates the thickness gauge to "0".

WARNING: Be careful of residual risks from sharp and/or pointed parts.

6.2 - CLEANING THE MACHINE

6.2.1 - Cleaning the goods holder plate

The trolley (plate + arm + stem) is easily transportable:

- bring the graduated hand grip to "0" (1 Fig. n°47);
- bring the trolley (2) to the end of its run (a) from the controls side; completely unscrew the plate lock hand grip (3), pull the trolley towards the operator, lift the trolley up (b Fig. n°47);

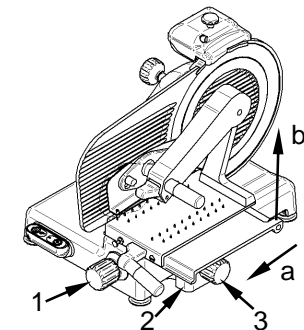


Fig. n°47

- having taken off the trolley, the goods holder plate can be carefully cleaned with warm water, the equipped detergent or neutral detergent (pH 7).

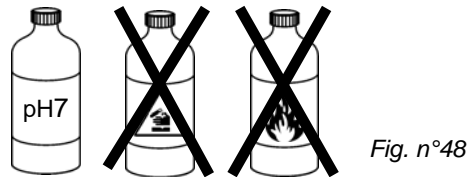


Fig. n°48

6.2.2 - Cleaning the blade, the bladeguard and the ring

WARNING: a pair of metallic gloves must be worn while cleaning the blade (1) (Fig. n°49) and a damp cloth must be used.

Unscrew the hand grip from the blade-guard tie rod (3) and extract the blade-guard (2) using the proper grip to hold it (Fig. n°49). At this point it is possible to clean the blade (Fig. n°50).

To clean the surfaces opposite the blade and the ring, the blade must be extracted in the following way:

- 1.unhook the bladeguard (Fig. n°49);
- 2.take out the sharpening device (Fig. n°51 ref.a) and open, by using the graduated hand grip, the thickness gauge enough to make the jig (Fig. n°51 rif.b) stick to the blade;
- 3.unscrew the three or four screws (Fig. n°51 ref.f), depending on the model, which fasten the blade;
- 4.rest the jig (b) on the blade, so that the split in the jig fits in the ring (Fig. n°51 ref.c);
- 5.match the axes of the two holes (Fig. n°51 ref.d) on the blade with the two-knobs (Fig. n°51 rif.e) on the jig, simply making the blade turn to the desired position;
- 6.screw the two knobs (e) without excessively tightening them.

N.B. The bladeguard must be cleaned with warm water, the equipped detergent or with neutral detergent (pH 7).

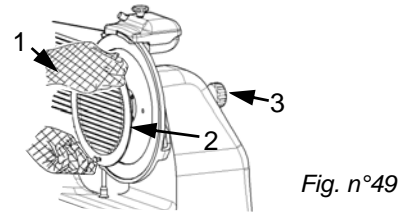


Fig. n°49

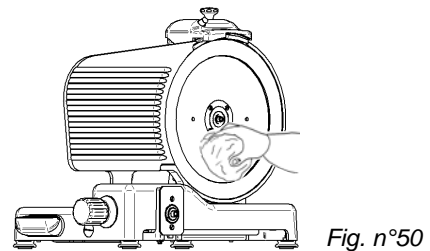


Fig. n°50

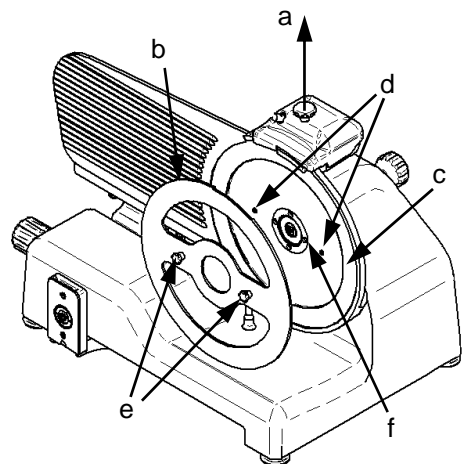


Fig. n°51

6.2.3 - Cleaning the sliceguard (Fig. n°52)

To remove the sliceguard simply grasp the hand grip (1) and pull up so that the two pins unhook (2), and then extract the sliceguard.

At this point clean the sliceguard with warm water, the equipped detergent or with neutral detergent (pH 7).

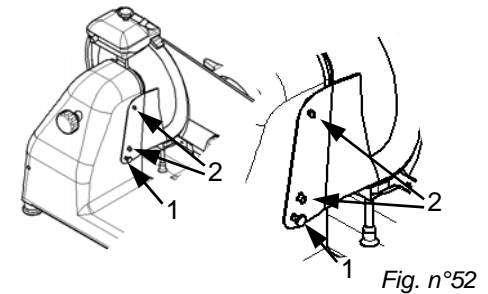


Fig. n°52

6.2.4 - Cleaning the sharpener

To clean the sharpener it is necessary to adhere to the following instructions:

- 1.lift (a) the cap up to the top;
- 2.loosen the knob (1);
- 3.lift (b) the cup (2) and extract it so that the knob (1) passes through the larger opening in the cup (2);
- 4.rub the grinders with a brush, while cleaning the other components with warm water, the equipped detergent or with neutral detergent (pH 7).

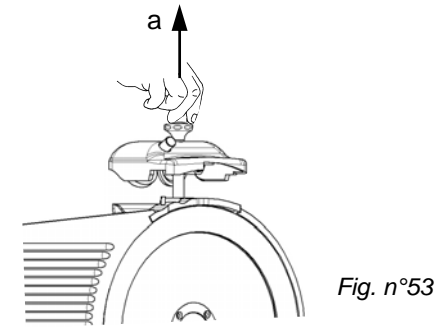


Fig. n°53

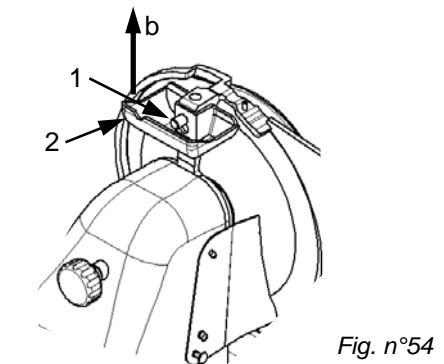


Fig. n°54

6.3 - SLIDE GUIDES LUBRICATION

The slide guides on the carriage (1-2) must be lubricated periodically with the equipped oil (a).

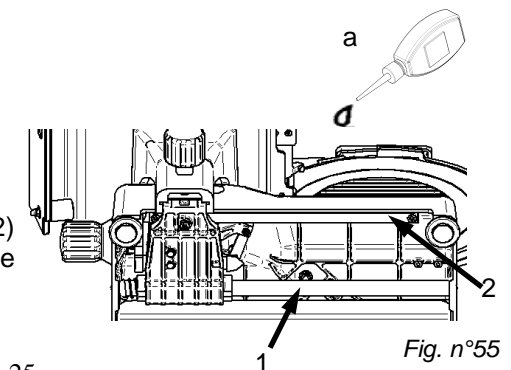


Fig. n°55

CHAP. 7 - MAINTENANCE

7.1 - GENERALITIES

Before carrying out any maintenance operations it is necessary to:

- a) disconnect the feed plug from the electrical network to completely isolate machine from the rest of the system.
- b) bring the graduated hand grip which regulates the thickness gauge to "0".

7.2 - BELT

The belt does not need to be regulated. Generally after 3/4 years it must be replaced, in this case call the "SERVICE CENTER".

7.3 - FEET

The feet could deteriorate in time and lose their elasticity, therefore decreasing the stability of the machine. Replace them by calling the "SERVICE CENTER".

7.4 - FEEDING CABLE

Periodically check the state of wear and tear of the cable and call the "SERVICE CENTER" for its replacement.

7.5 - BLADE

Check that the diameter of the blade, after many sharpenings, has not been reduced more than 10 mm. compared to the original diameter. For its replacement call the "SERVICE CENTER".

7.6 - GRINDERS

Check that the grinders continue to have their abrasive property during the sharpening. When they are no longer abrasive they must be replaced as to not damage the blade, therefore call the "SERVICE CENTER".

7.7 - SLIDING GUIDES LUBRICATION

Occasionally put a few drops of oil (from the tube that is provided) on the round bar that the trolley slides back and forth on, through the hole (OIL) located on the side of the graduated hand grip.

7.8 - PUSH-BUTTON PANEL LABEL

The push-button panel label can be marked and/or punctured with time. In such a case call the "SERVICE CENTER" to replace it.

CHAP. 8 - DISMANTLING

8.1 - OUT OF SERVICE

If for some reason it is decided to put the machine out of service, make sure that it cannot be used by anyone: **detach or cut the electrical connections.**

8.2 - WEEE Waste of Electric and Electronic Equipment



Directive 2002/95/EC, 2002/96/EC and 2003/108/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and waste electrical and electronic equipment

This symbol, crossed out wheeled bin, on the product or on its packaging indicates that this product must not be disposed of with your other household waste.

Separate waste collection of this appliance is organised and managed by the manufacturer. It is the user's responsibility to contact the manufacturer and follow the waste treatment system the manufacturer has adopted for separate waste collection.

The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.