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Before operating the machine, please read carefully and thoroughly the following safety instructions and directions for use. Only in this way will you learn how to use the machine properly and avoid misuse and dangerous situations.

Keep this manual in a proper place, near the machine, and have all the staff know where it is kept.

- ***SIGNALS ON THE MACHINE***



230 VOLT/1PH/60HZ

- ***GRAPHIC SYMBOLS USED IN THE MANUAL***



Warning about the execution of the operations described or possible danger



Actions that must be done only by qualified persons



Actions that can be done by the persons that use the machine, as they do not require specific qualifications.

## ***WARNING !!!***

- 1** Do not use the machine having drunk alcohol, taken medicines or drugs that can affect your physical conditions.
- 2** Keep hair and other parts of the body at a safe distance from the rotating devices of the machine such as belts and gears.

- 3 Keep the signals of danger and the safety instructions clean and tidy.**
- 4 When using the machine, wear tight-fitting clothes without any loose parts.**
- 5 Do not wear open or unfastened jackets, shirts or overalls.**

Descriptions, pictures, weights and sizes shown in this manual are meant as not binding. The firm reserves the right to make changes, being understood that the main characteristics of the types above described and illustrated are not changed. These changes will be made if the firm judges them convenient for technical improvements or for any other constructive or commercial need, and they can be made by the firm at any time and without binding itself to update this manual at the right time.

- **WARRANTY**

The manufacturing firm guarantees the machine for 1 year starting from the delivery date. The warranty includes only the replacement of broken or defective parts. Electric parts and motors are not included in the warranty. The client will have to pay, if he needs after-sales service by the staff of the manufacturing firm.

- **RECEIPT**

The machine in the crate can be stored under cover for about six months. Unpack the machine and check that the machine has not been damaged. In case of damage, notify the truck-driver immediately.

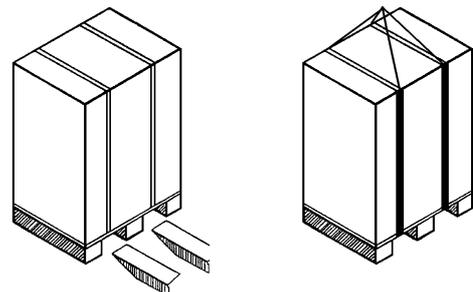


**Any defects must be communicated to the manufacturing firm within 8 days from the receipt of the goods.**

- **LIFTING AND MOVING**



**The machine must be lifted only by qualified operators.**



The machine can be packed in a wooden crate or in a cardboard filled with pallet.

When the machine is packed in a crate, it can be lifted by means of a lift truck or transpallet, inserting the tines in the spaces placed under the crate (*fig. 1*).

It can also be lifted with a crane inserting ropes or bands under the crate (*fig. 2*).

In this case the angle of the ropes must be maximum 45°, as the side picture shows.

Once unpacked, the machine can be lifted with a crane; if necessary, the machine can be lifted as follows:

- lift the belts vertically;
- insert two bands under the structure and lift it by the crane.

- ***MACHINE APPLICATIONS***

The dough sheeter processes cereal flour doughs and pastries for pizzerias, bakeries and confectioneries and rolls egg/butter/cream/ products etc.

Any other use will be considered contrary to the applications as originally intended by the manufacturer, who will consequently not be held liable for any damage to the machine itself or to other objects, or for any injuries to persons that may arise thereof.

- ***CORRECT AND INCORRECT USE***



The machine must be used by qualified operators and must not be put in places accessible to everybody.

It is forbidden to operate the machine for any other use differing from baking products for pastry.

- ***CLEANING***

To guarantee healthy and hygienic processing of food products, keep clean the machine and the surrounding environment. At the end of every workday clean the scrapers and the rolls. For a better cleaning we suggest to remove the scrapers.



Always disconnect the power supply of the machine before cleaning it.

Use cleaning products suitable for food products, do not use abrasive or corrosive chemical products to clean the machine.

Do not use outflow of water or cleaning machines.



To clean the machine absolutely avoid rough or abrasive instruments such as steel wool, abrasive sponges or similar cleaning implements.

Only qualified people must be employed to clean the machine.

- ***POSSIBLE RISKS***



The machine was manufactured in conformity with the safety regulation described in the CEI rules.

Using the machine in situations and ways differing from those foreseen by the manufacturer, may cause unpredictable risks.

It is absolutely forbidden to alter mechanic or electric devices and parts, to change the internal and external structure of the machine, to loosen or unscrew bolts and screws and to remove safety devices.

Any maintenance must be done having disconnected the electricity.

When the machine is operating, all the covers, crankcases, shelters and protections must be completely efficient and properly fixed to the respective structures.

- **CONFORMITY TO REGULATIONS**

The electric system is in conformity with the EN60204-1 rules.

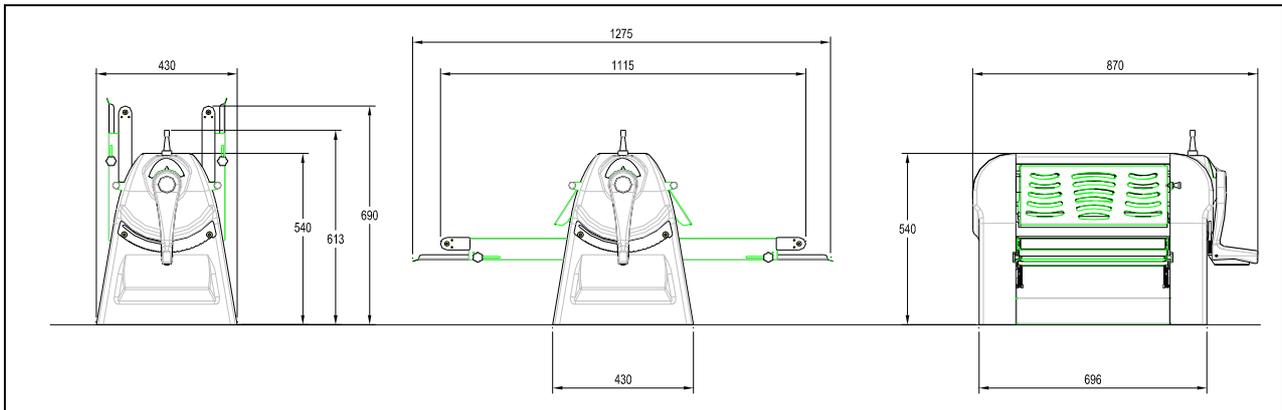
The materials which are brought into contact with the dough are in conformity with the FDA rules.

The machine was realized in conformity with the **Directive Machine 89/392/CEE** (and with following modifications **91/368/CEE 93/44/CEE 93/68/CEE**).

- **NOISE LEVEL**

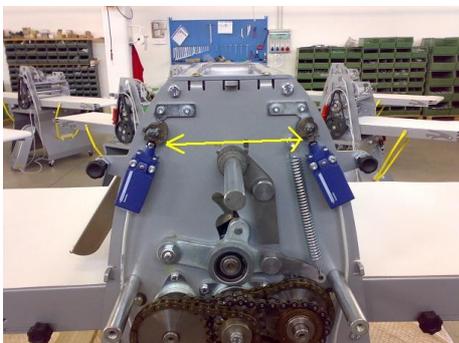
The average noise level measured near the working place is less than 70 decibel.

- **TECHNICAL FEATURES**



MODELS	SF450BV
TYPE	BENCH
BELTS WIDTH	45 MM
BELTS LENGHT	500 mm
EXIT BELTS SPEED	50 cm/sec.- 30 m/min.
ROLLER GAP	0-35 mm
MOTOR POWER	0,55 Kw
WEIGHT	100 kg

- **SAFETY SYSTEM ADOPTED**



was studied to stop the machine when necessary.

Even a very slight lifting of the cover is enough to stop the machine; the immediate stop is caused by the two position sensors placed inside the machine (*fig. 3*).

*Fig. 3*

An emergency push-button with a red head on the frontal panel is within easy reach from the working place (*fig. 4*).



**If any safety device is violated, the manufacturer will not be responsible for damages against people or things.**

- ***ELECTRIC CONNECTION***



**The electric connection must be done by qualified operators.**

**Be sure that the voltage of the electric line is the same as the one shown by the signal on the machine.**

The electric feeding must be fixed by means of a knife switch measuring out the capacity suitable for the power requirement of the machine, with a four-contact three-phase plug (three phases + earth).

Connect the machine with the terminals on the panel.

Before connecting the machine, be sure that the connections have not loosened during the shipment.

**The connections must be executed in conformity with the regulations in force in the country.**

- ***FIRST STARTING AND TESTING***



*Fig. 4*

Put the red general switch (1) in position 1, push the green button to start (2) and move the joystick (3) on the right or on the left to select the rolling direction.

Push the red emergency button (4) to stop the machine (*fig. 4*).

Move the red-black wheel (5) for change the speed belts.

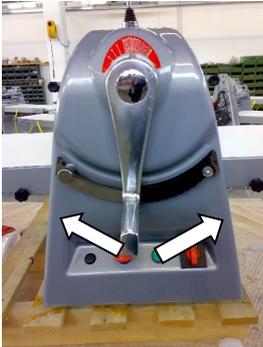
If the machine is not working, check the position of the red emergency button; it must be completely lifted.

If it is not lifted, turn it round as shown by the arrows.



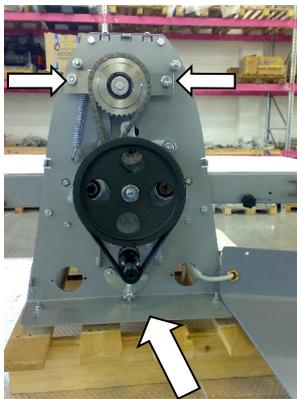
*Fig. 5*

## ***ROLLERS REGULATION***



The roller gap is obtained by moving the handle on the right or on the left (*Fig. 6*). Each step of the handle on the toothed sector operates a different thickness. **THE ROLLERS CANNOT WORK IF THEY ARE IN CONTACT WITH EACH OTHER.**

*Fig. 6*  
**CHAIN TENSION**



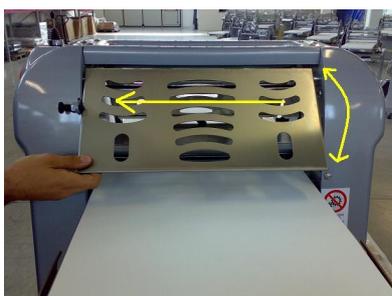
To change the chain tension you have to move the parts indicated by the 2 horizontal arrows.  
To change the belt tension you have to move the motor up ( to reduce the tension) or down (to increase the tension).

- ***BELT TENSION***



To change the belt tension you have to move the nut indicated by the arrow.

- ***UNLOCKING THE SAFETY GUARD***



For unlocking the safety guard move the safety guard in the direction shown by the horizontal arrow and then move up or down the safety guard

- ***SAFETY GUARD POSITION***



Safety guard open for replacing the scraper. In this case the machine can not working.



Safety guard close for working with the sheeter (*Fig. 11*)



Safety guard close for closing the tables of sheeter as in the *Fig. 13*



Tables of sheeter closed



Pin for locking the tables when the tables are closed (Fig. 14)

- ***ELECTRIC BREAKDOWNS IN THE MOTOR AND IN THE SAFETY DEVICE***



**You must contact the electrician or the manufacturing firm.**

- ***IF THE MACHINE DOES NOT START***

- 1. CHECK THAT THE MAIN BLACK AND RED SWITCH IS IN POSITION 1 (Fig.4);***
- 2. CHECK THAT THE PLUG IS CONNECTED;***
- 3. CHECK THAT THE PLUG LEADS ARE PROPERLY CONNECTED;***
- 4. CHECK IF THERE IS TENSION IN LINE;***
- 5. CHECK IF THE EMERGENCY PUSH-BUTTON (FIG. 4) IS PRESSED;***
- 6. CHECK IF THE BOARD FUSES ARE BURNT;***

7. ***CHECK IF THE POSITION SENSORS (FIG.3) ARE WORKING CORRECT.***

- ***DISMANTLING AND DEMOLISHING THE MACHINE***

The components of the machine do not require any particular care, when dismantling or demolishing the machine.

Remember, however, to remove electrical components from the machine to help recycling.