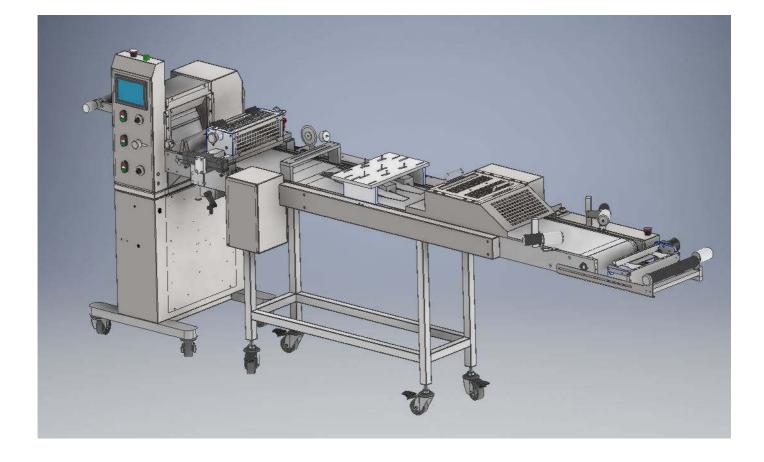


ITALGI S.r.l.

MACCHINE E IMPIANTI PER PASTA FRESCA E SECCA MACHINES AND PLANTS FOR FRESH AND DRY PASTA MÁQUINAS Y PLANTAS PARA PASTAS FRESCAS Y SECAS Via Pontevecchio, 96A, 16042 Carasco (GE) Tel.0039-0185350206 Fax 0039-0185350523





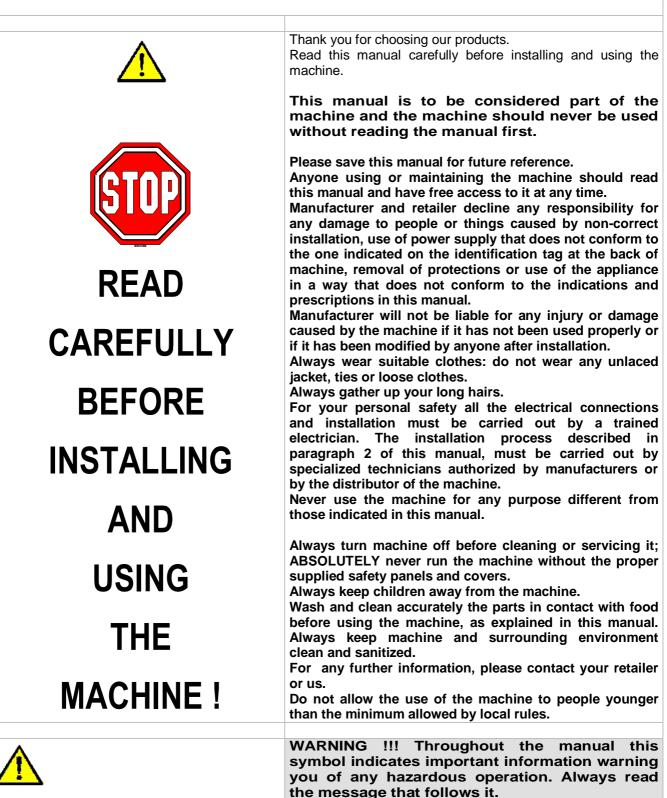
FORMING MACHINE

RAV160MS RAV250MS

USE AND MAINTENANCE MANUAL

1 - INTRODUCTION

1.1 - Warning



1.2 - Technical data

RAV160MS	
Sheet width [mm]	160
Production [kg/h]	Dependent on the product
Dimension [cm] – RAV160MS	315x80x165
Width [cm] with filling pump	180
Electrical consumption [kW]	1,1

RAV250MS	
Sheet width [mm]	250
Production [kg/h]	Dependent on the product
Dimension [cm] – RAV250MS	315x80x165
Width [cm] with filling pump	190
Electrical consumption [kW]	1,1

The RAV160MS and RAV250MS forming machines have been designed and manufactured by ITALGI, has been made to simplify both use and cleaning and it has been manufactured according to the latest hygienic and safety standards.

The RAV160MS and RAV250MS forming machines are equipped with three dedicated motors, two for the calibrating rollers, and one for the mold, controlled by electronic inverters (NB if the filling pump is not connected to the column under the control panel, the machine does not work).

It is therefore possible to easily and independently adjust the speeds of calibrators and belt in order to make products of different sizes.

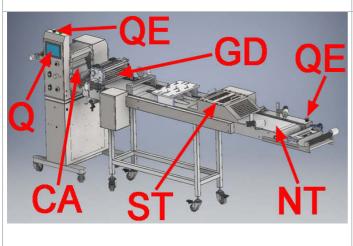
Different types of molds can be installed on the RAV160MS and RAV250MS forming machines, and you can also adjust the thickness of the sheet through special calibrating rollers.

The RAV160MS and RAV250MS forming machines allow you to make products to be folded by hand.



The machine has been designed according to current safety standards, where it was not possible to completely eliminate the risk, the adhesive shown in the figure was applied to warn the operator not to put his hands inside the parts.

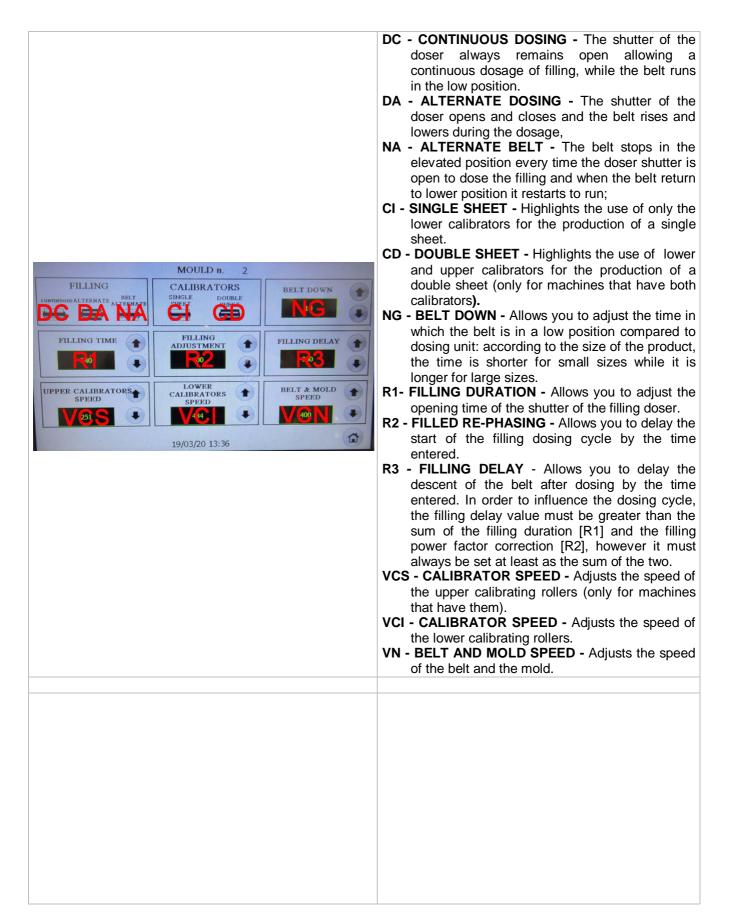
1.3 - Description of machine



The main components of the RAV160MS and RAV250MS forming machines are as follows:

- QE Emergency button
- Q Control panel
- CA Calibrating cylinder
- NT Conveyor belt
- ST Mold
- GD Dosing unit

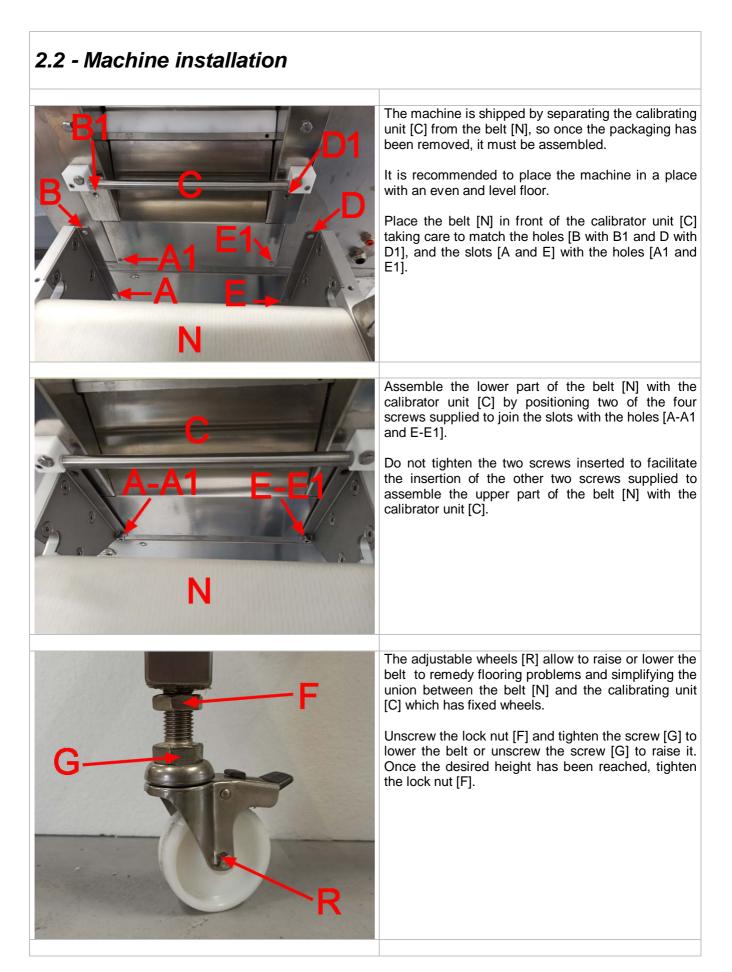
1.4 - Description of control pane	
	WARNING !!! Never open main control panel [Q] if you are not a qualified electrician. Turn off main power switch before opening main control panel [Q].
QE QR	 The control panel is positioned on one side of machine and includes the controls of the various devices: QR - POWER ON- Indicates that the machine is connected to the power supply. QE - EMERGENCY - Emergency button for arresting the machine. T - TOUCH SCREEN - Adjust the machine parameters.
ALIERATORE Q10 000 000 000 004 004 005 006 006 006 006 006	 Q1 - CALIBRATOR – It activates the calibrating rollers. Q2 - BELT – It activates the belt. Q3 - FAST / SLOW – Switch that allows you to greatly reduce the speed of the belt to allow the sheet to pass through the various components easily. Q4 - SHEET SETTING – It adjusts the thickness of the upper sheet. Q5 - FILLING – It activates the filling pump. Q6 - FILLING SPEED – It adjusts the speed of the stuffing pump through a potentiometer. Q7 - SCRAPS SPEED – It adjusts the speed of the belt that discard the excess sheet.
QG	QG - OMACHINE- General machine ignition switch.



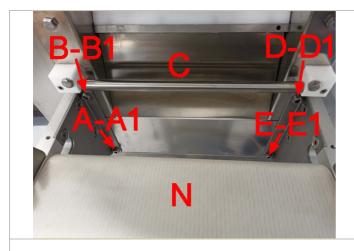
2 - INSTALLATION (ONLY TRAINED PERSONNEL)

2.1 - Positioning of the machine

	WARNING !!! Machine is very heavy. Always use a forklift to move it (minimum capacity 500 kg).
	Unload the pallet containing the machine packed with a forklift truck (minimum capacity 500 kg). After placing the packed machine in the desired location, remove the packaging from the machine and place the machine on a horizontal surface strong enough to support the weight of the machine, listed among the technical features. The RAV160MS are RAV250MS forming machines are equipped with wheels. Once positioned in the work area it can be easily moved by simply pushing it.
	WARNING !!! Moving heavy machinery might be really dangerous! Make sure that the forklift is sufficiently powerful (minimum capacity 500 kg) to lift the load. Always double check that the machine is lock in securely fastens and that it does not shake. Never walk underneath or nearby any lifted heavy piece of equipment. Avoid keeping heavy loads high while moving them around; always keep them as close as possible to the ground.
F	The wheels are equipped with brakes. Before moving RAV160MS and RAV250MS verify that the brakes are switched off: if the lever [F] is lowered, the brake is engaged, if the lever [F] the machine is lifted is free to move. Check that the brakes [F] are engaged before operating the machine.



ITALGI s.r.I. - FORMING MACHINE RAV160MS RAV250MS - Use and maintenance manual



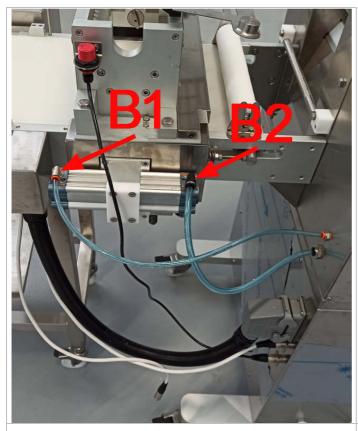
Match the upper joining holes [B with B1 and D with D1] between the belt [N] and the calibrating unit [C] with the aid of adjusting of belt wheels.

Assemble the upper part of the belt [N] with the calibrator unit [C] by positioning the remaining two screws supplied to join the holes [B-B1 and D-D1].

Tighten the four screws.

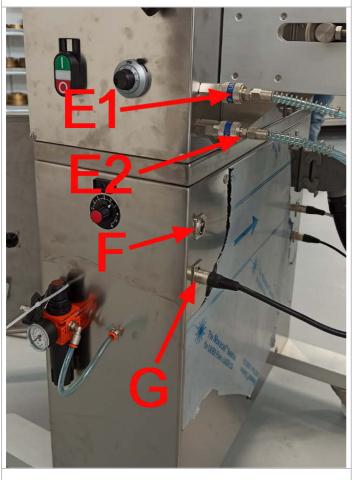
2.3 - Electric and pneumatic connections

WARNING !!! The electrical connection operations must always be carried out by an electrician or an authorized technician.
RIGHT PART OF MACHINE Connect the smaller compressed air pipe in the wallpass [A1]. Connect the largest compressed air pipe in the wallpass [A2]. Connect the belt multi-pin plug [D] as shown in the picture. Connect the dosing unit cover safety cable [F] as shown in the picture. Connect the scraps roller cable [E] as shown in the picture, or in the same housing connect the front scraps roller cable [C].



RIGHT PART OF MACHINE

Connect the smaller compressed air pipe to the connection [B1]. Connect the largest compressed air pipe to the connection [B2].



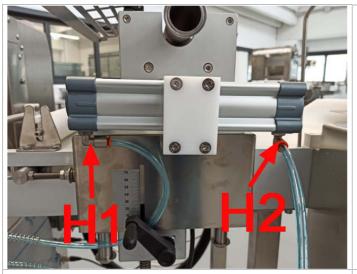
LEFT PART OF MACHINE

Connect the compressed air pipe to the connection [E1].

Connect the compressed air pipe to the connection [E2].

Plug the stuffing pump cable into socket [F].

Connect the height dosing unit safety cable [G] as shown in the picture.



LEFT PART OF MACHINE

Connect the compressed air pipe coming from the connection [E1] to the connection [H1]. Connect the compressed air pipe coming from the connection [E2] to the connection [H2].

LEFT PART OF MACHINE

Connect the compressed air supply [A] of the forming machine to the plant's compressed air system.

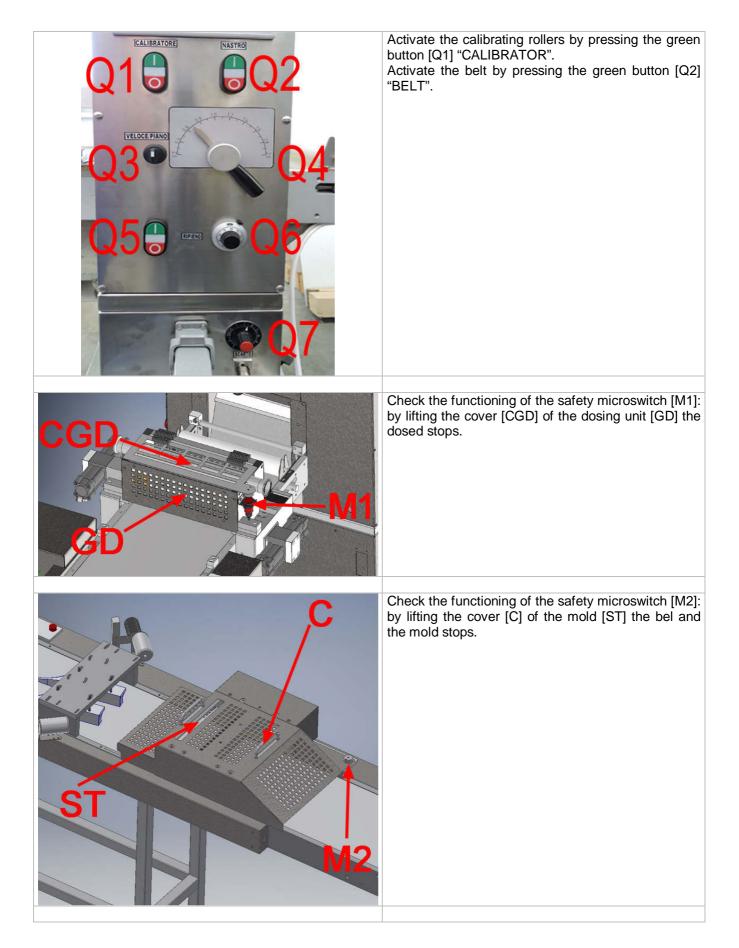
Turn the tap knob [R] counter clockwise to allow compressed air to enter the forming machine.

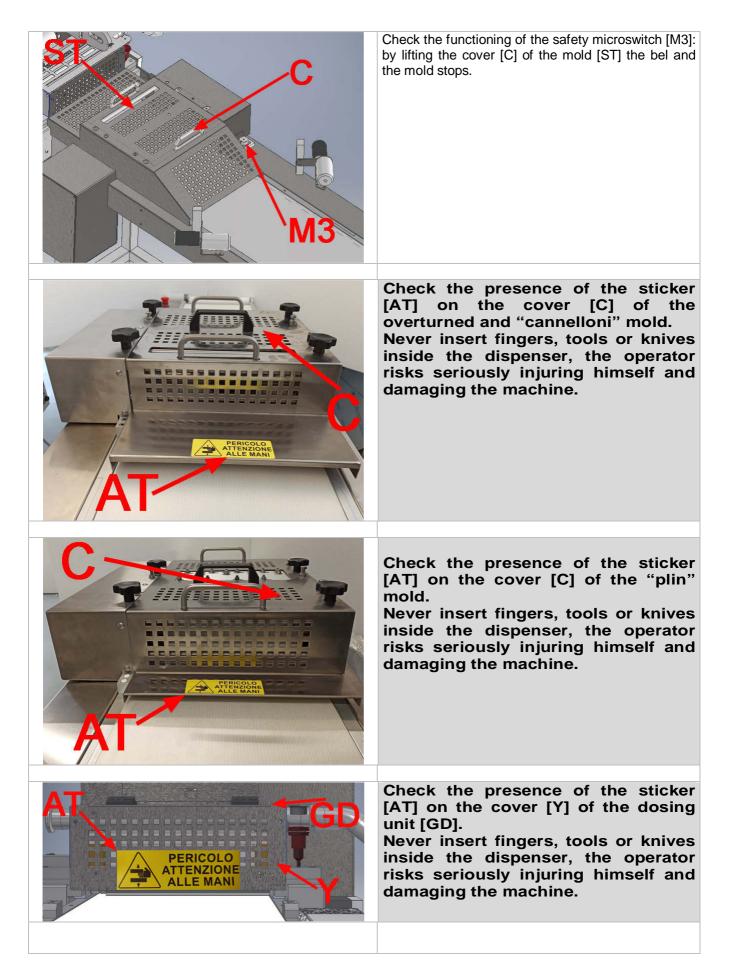
Adjust the compressed air pressure to about 5 bar using the [RP] knob. After pulling the [RP] knob upwards you can increase the pressure by turning the [RP] knob clockwise or decrease it by turning it counter clockwise. Once the adjustment is complete, press the knob down to fix the adjustment.

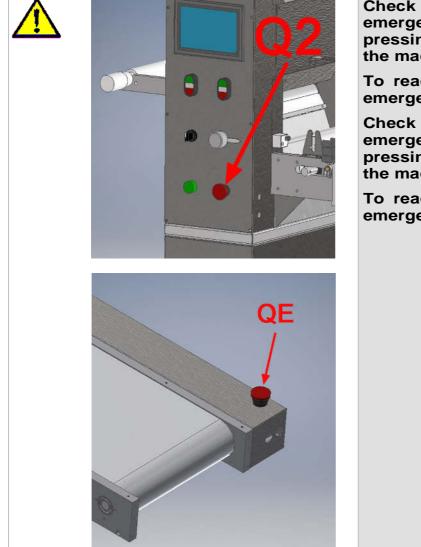
ITALGI S.r.I Via Pontevecchio 96A CE 16042 Carasco (GE) - ITALY Tel 0185350206 Fax 0185350523 MOD. RAV160MS	Check that the characteristics of the power supply available are compatible with those of the machine, shown on the identification plate on the machine. Then connect the machine to an electric socket of the prescribed voltage, equipped with an earth cable
SERIAL N. xxx DATE: xx-xx 230 Volt - 1 Phase - 50Hz kW: 1,1	and protected by a differential switch.

2.4 - Check and description of the safety of the machine

	ATTENTION !!! Before each use of the machine, check that all the safety devices it is equipped are functional!
	Before using the machine make sure that it is properly washed and sanitized (in accordance with local regulations).
	Make sure that the machine is properly connected to the power supply and that all the switches on the power line are turned on.
	Check that no other person is working on the machine or cleaning it.
	Check that there are no foreign components to the machine components on the belt (e.g. screws, tools, etc.), they could seriously damage the machine.
	ATTENTION !!! Before switching on the machine, make sure that no other person is working on the machine or cleaning it!
QQ	Connect the machine to the power supply and turn the machine general switch [QG] a quarter of a turn clockwise. The green light [QR] indicates the starting of the machine and remains always on during operation. If the [QR] light is not on, check that the machine is properly connected to the power supply and call technical assistance if necessary.







Check the functioning of both the emergency buttons [Q2 and QE]: by pressing the emergency button [Q2] the machine stops.

To reactivate the machine, turn the emergency button [Q2] clockwise.

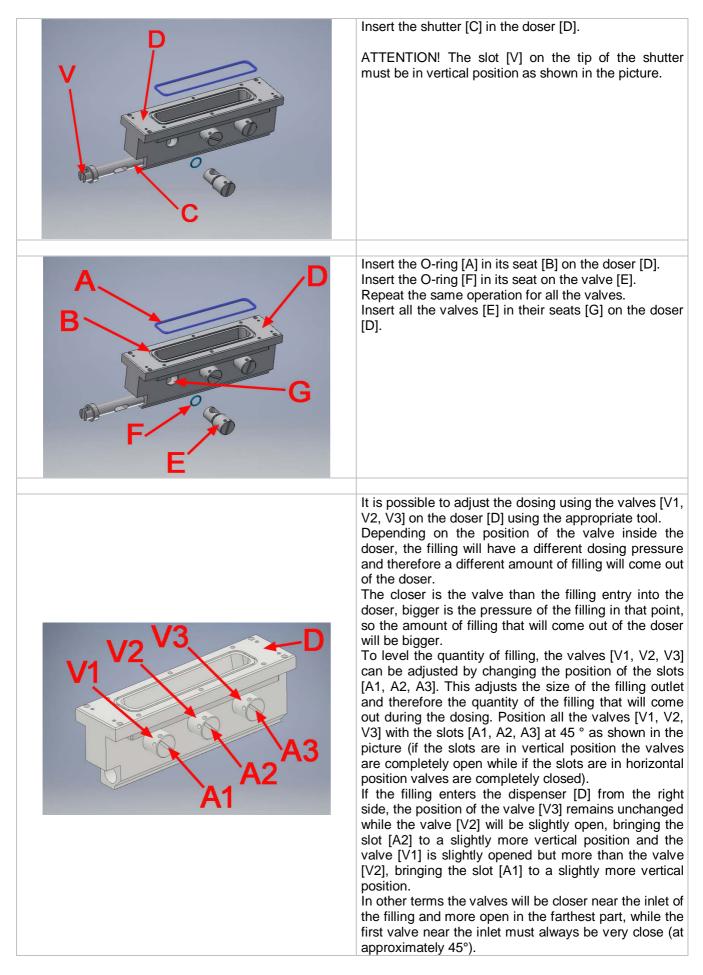
Check the operation of both emergency buttons [Q2 and QE]: pressing the emergency button [QE] the machine stops.

To reactivate the machine, turn the emergency button [QE] clockwise.

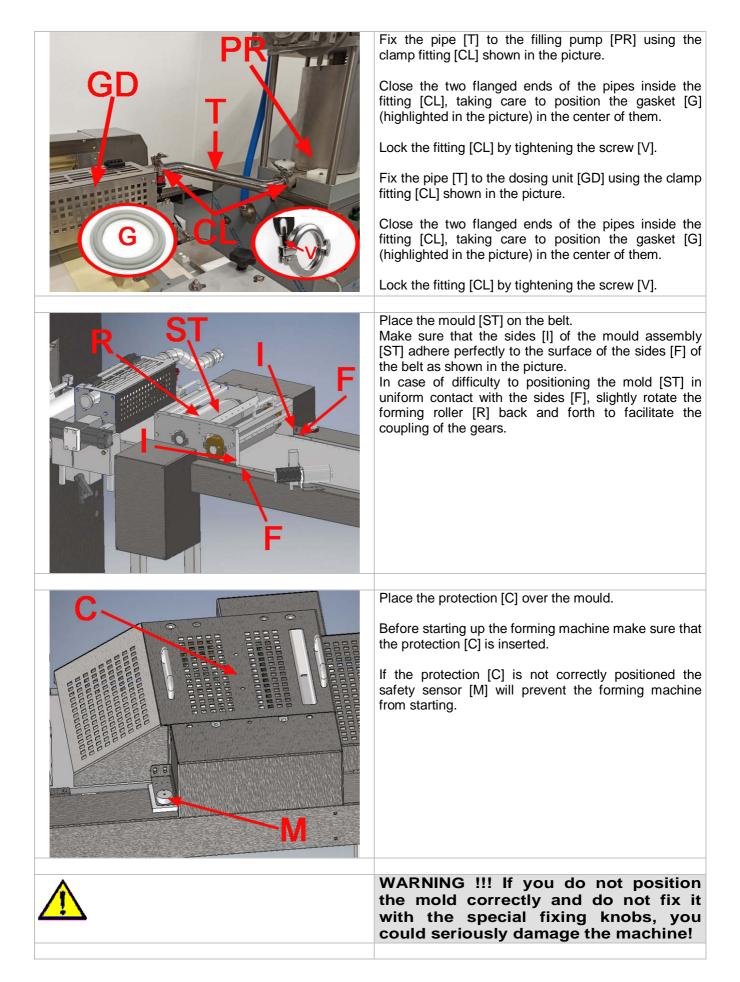
3 - USE	
	ATTENTION !!! Before switching on the machine, make sure that no other person is working on the machine or cleaning it!
	Before using the machine make sure that it is properly washed and sanitized (in accordance with local regulations).
	Make sure that the machine is properly connected to the power supply and that all the switches on the power line are turned on.
	Check that no other person is working on the machine or cleaning it.

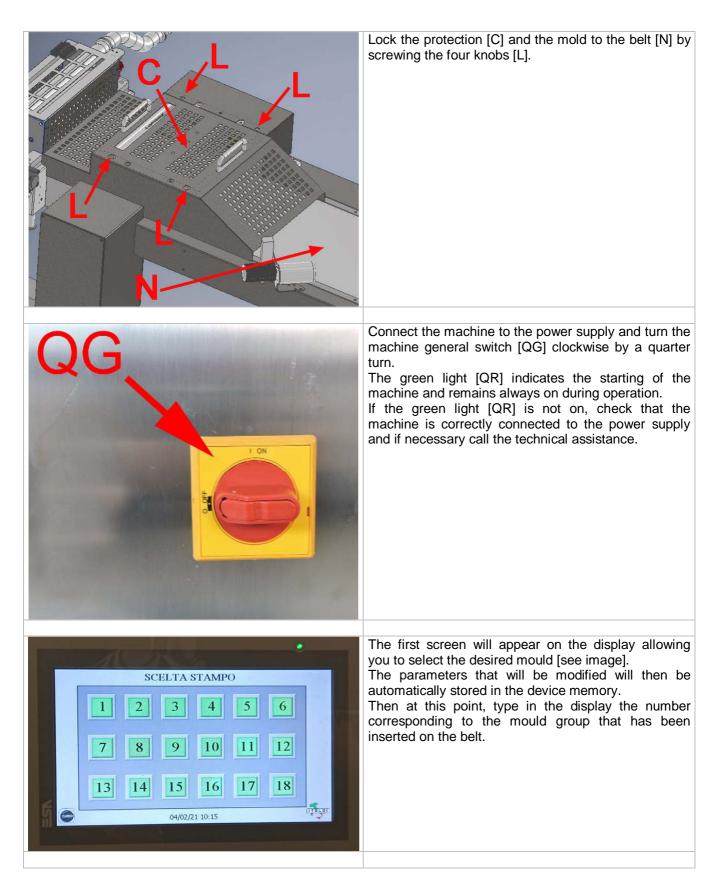
3.1 - Production hand-made products

Contraction of the second seco	Place the dosing unit [GD] on the belt [N] in correspondence with the four holes [Z].
	Screw the four screws [A] to secure the dosing unit.

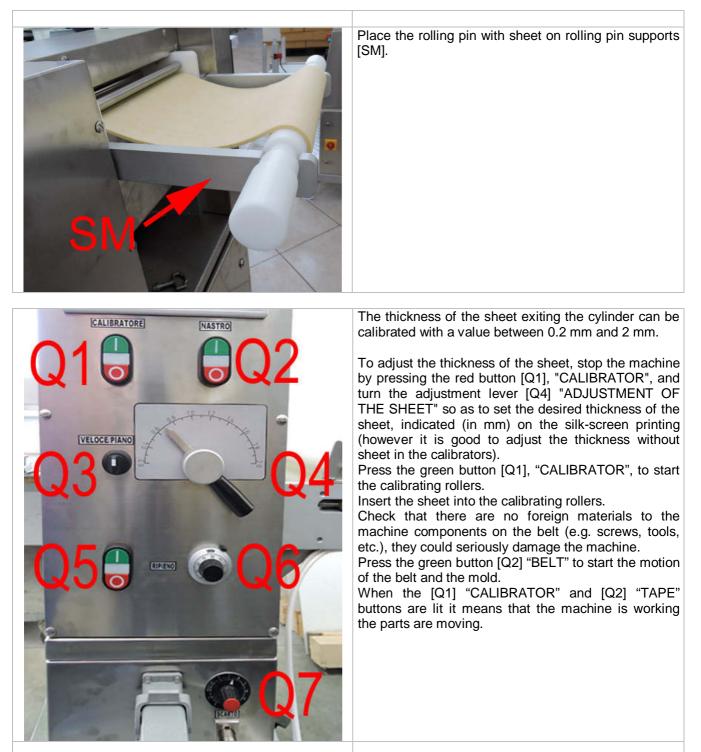


Place the doser [D] in the dosing unit [GD] matching the slot [V] with the pin [P].
Secure the doser [D] in the dosing unit [GD] by tightening the four screws [S].
Place the pipe [T] in the dosing unit [GD] and secure it by tightening the six screws [S].



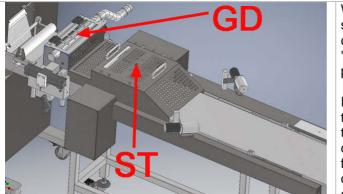






^	WARNING !!! Never adjust the
	thickness [Q4] when the machine is in
	motion. You could damage the rollers.

MOULD R. 2 FILLING WETTERBORK ALTERNATE BEIT CALIBRATORS SINCLE DOUBLE COURCE DOUBLE DOUBLE COURCE DOUBLE COURCE DOUBLE DOUBLE COURCE COURCE	It is possible to adjust the speed of the calibrating rollers by typing the desired value on the display in the "LOWER CALIBRATOR SPEED" [VCI] box. It is possible to adjust the speed of the belt by typing the desired value on the display in the "BELT AND MOLD SPEED" box [VN]. N.B. The sheet must remain slightly stretched between the calibrator outlet and the pressure roller.
D D D D D D D D D D D D D D	Remove the cap [TP] and preload the filling doser [D]: press the green button [Q5], "FILLING" and fill the dispenser [D] until you see the filling in the tube [TB] near the cap [TP]. Stop the filling pump by pressing the red button [Q5] "FILLING" and secure the cap [TP].
	WARNING !!! Do the preloading operation of the doser [D] always with the cap [TP] removed, otherwise an over-pressure will be created inside the dispenser [D] which can seriously damage it.





LOWER CALIBRATORS SPEED

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1

BELT & MOLD SPEED

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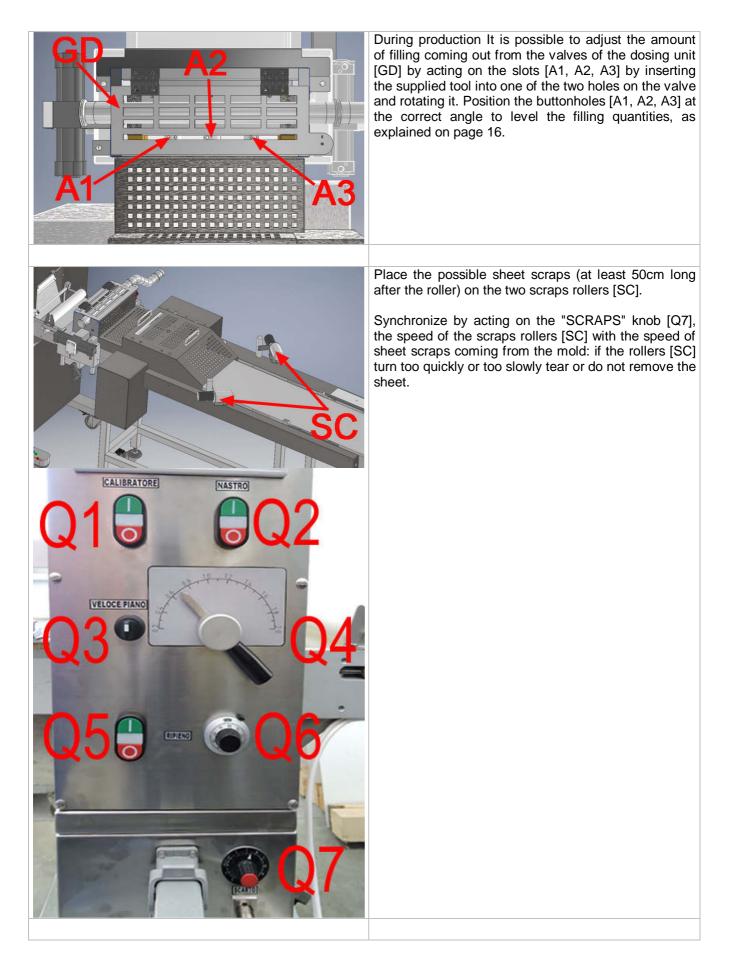
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UPPER CALIBRATORS

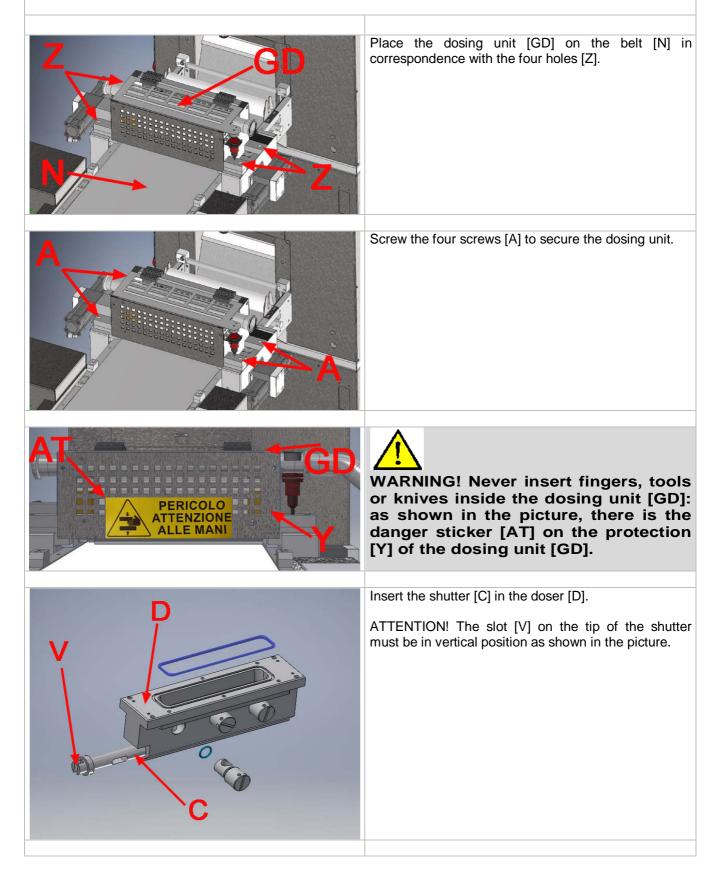
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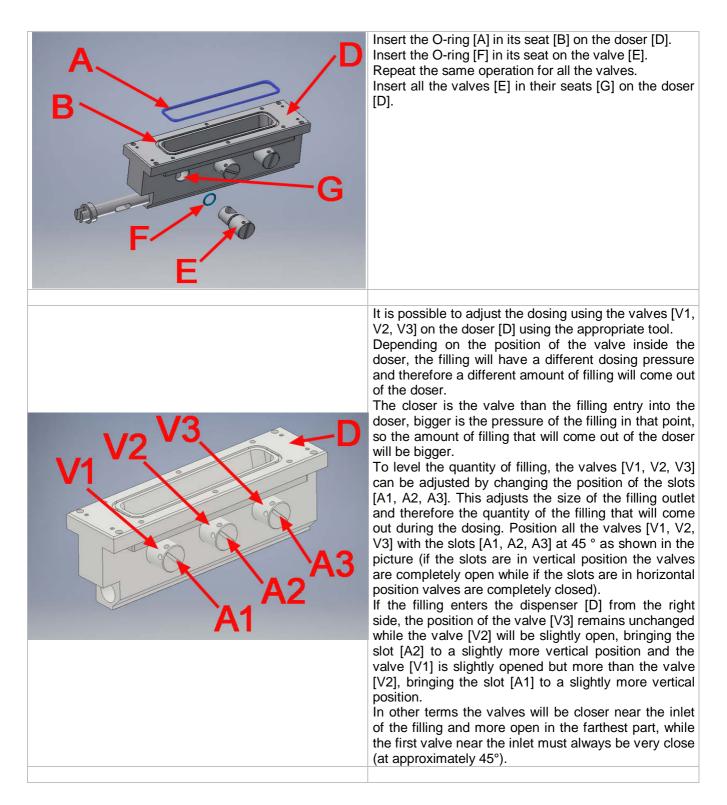
When the sheet has passed through the dosing station [GD] and the mould [ST], the stuffing pump can be started by pressing the green button [Q5] "FILLING". Set the desired dosing speed using the potentiometer [Q6] "FILLING SPEED".

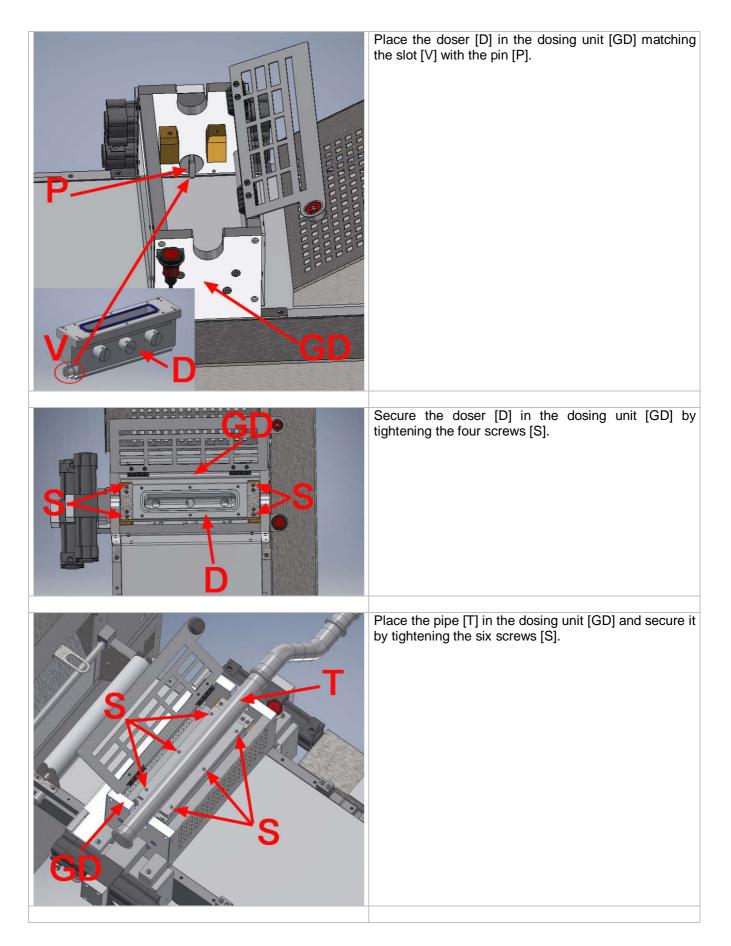
It is possible to modify all the parameters that are on the display: the type of dosing [DC, DA, NA], the time the belt remains in the low position [NG], the opening duration of the shutter of the filling doser [R1], the filling dosing cycle start delay [R2] and the belt descent delay from the elevated position [R3] (see explanations on page 4).

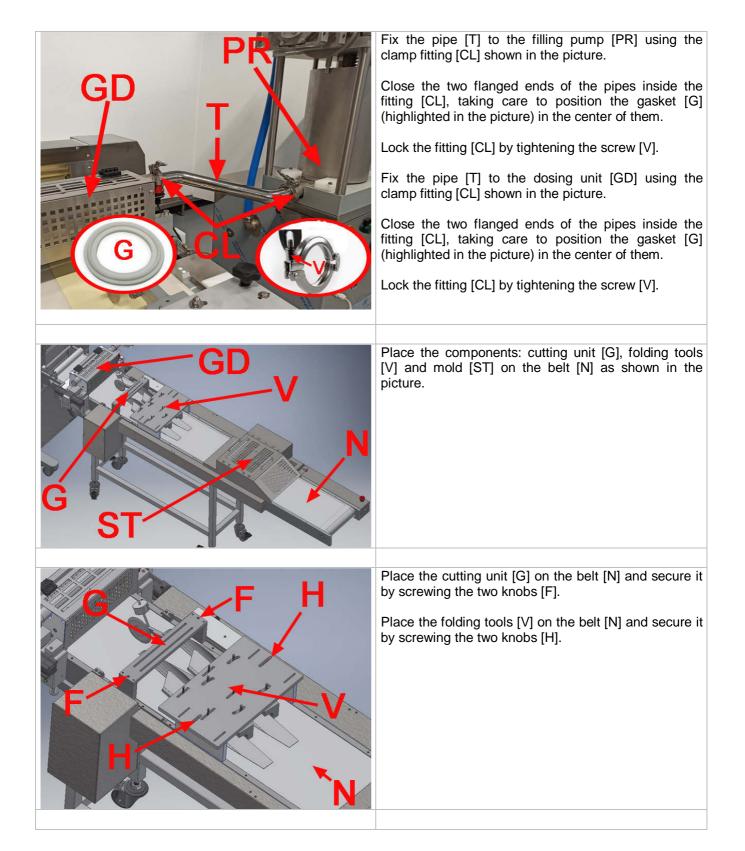


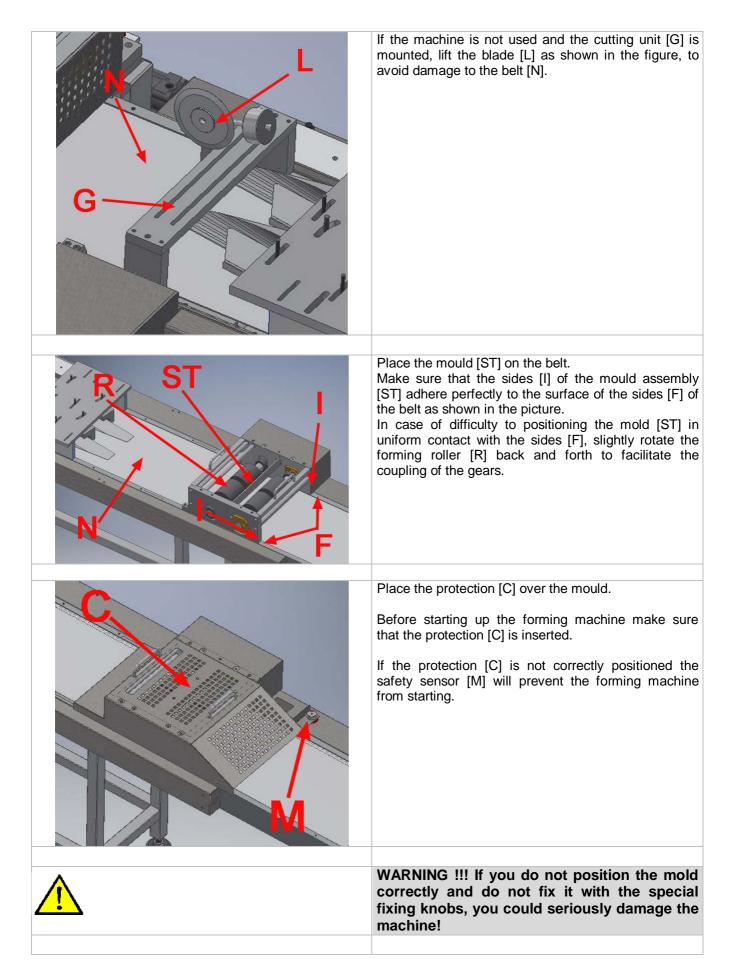
3.2 - Production overturned product

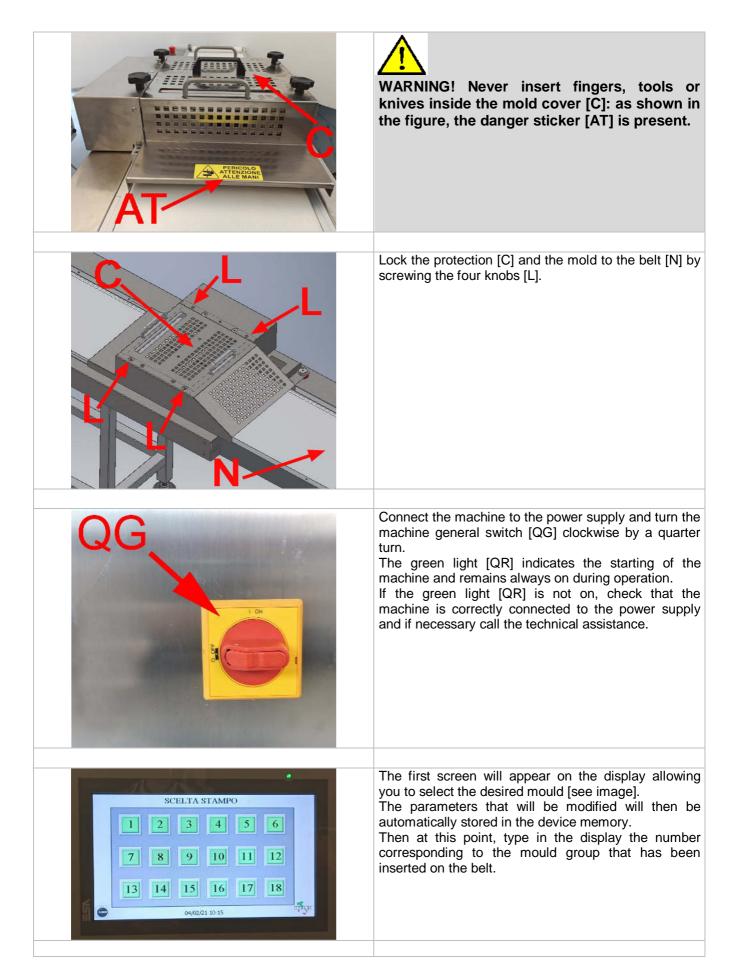




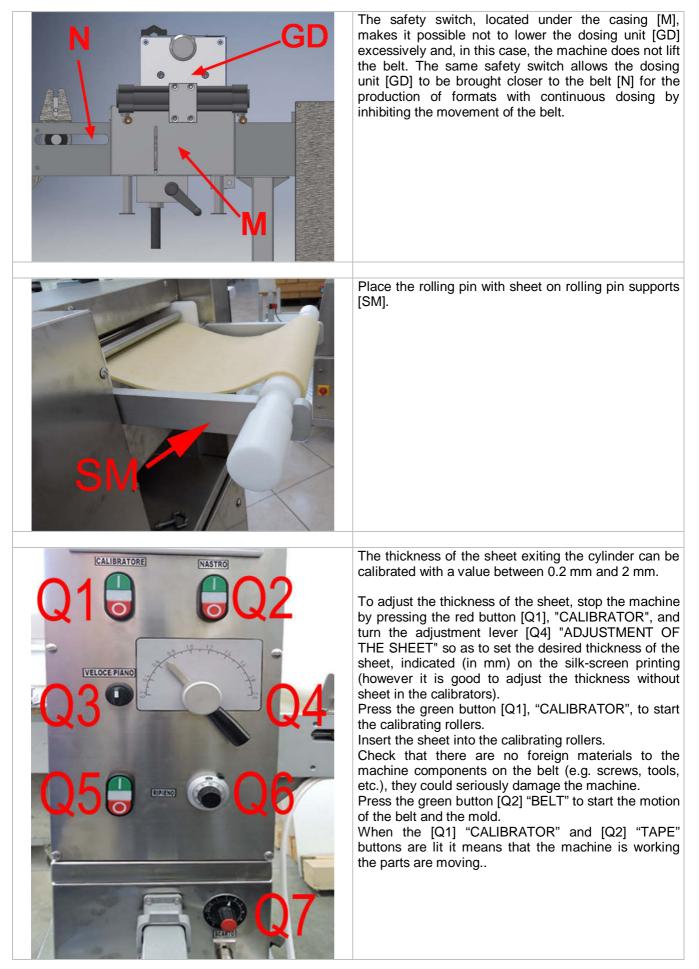










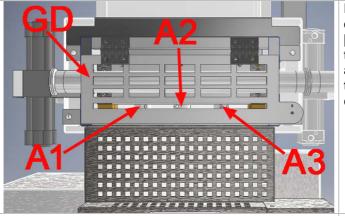


\wedge	WARNING !!! Never adjust the thickness [Q4] when the machine is in
$\overline{\langle \cdot \rangle}$	motion. You could damage the rollers.
	5
MOULD n. 2 FILLING CALIBRATORS BELT DOWN	It is possible to adjust the speed of the calibrating
CALIBRATORS CONTINUOUS ALTERNATE ALTERNATE DE DA NA CH CDUBLE	rollers by typing the desired value on the display in the "LOWER CALIBRATOR SPEED" [VCI] box.
FILLING TIME FILLING ADJUSTMENT FILLING FILLING DELAY FILLING FILLING FILLING DELAY FILLING FILLING	It is possible to adjust the speed of the belt by typing the desired value on the display in the "BELT AND MOLD SPEED" box [VN].
UPPER CALIBRATORS SPEED V23 S • 19/03/20 13:36	N.B. The sheet must remain slightly stretched between the calibrator outlet and the pressure roller.
	Remove the cap [TP] and preload the filling doser [D]:
D D D D D D D D D D D D D D	press the green button [Q5], "FILLING" and fill the dispenser [D] until you see the filling in the tube [TB] near the cap [TP]. Stop the filling pump by pressing the red button [Q5] "FILLING" and secure the cap [TP].
	WARNING !!! Do the preloading operation of the doser [D] always with the cap [TP] removed, otherwise an over-pressure will be created inside the dispenser [D] which can seriously damage it.



When the sheet has passed through the dosing unit [GD], the cutting unit [G], the folding tools [V] and the mould [ST], the stuffing pump can be started by pressing the green button [Q5] "FILLING". Set the desired dosing speed using the potentiometer [Q6] "FILLING SPEED".

It is possible to modify all the parameters that are on the display: the type of dosing [DC, DA, NA], the time the belt remains in the low position [NG], the opening duration of the shutter of the filling doser [R1], the filling dosing cycle start delay [R2] and the belt descent delay from the elevated position [R3] (see explanations on page 4).

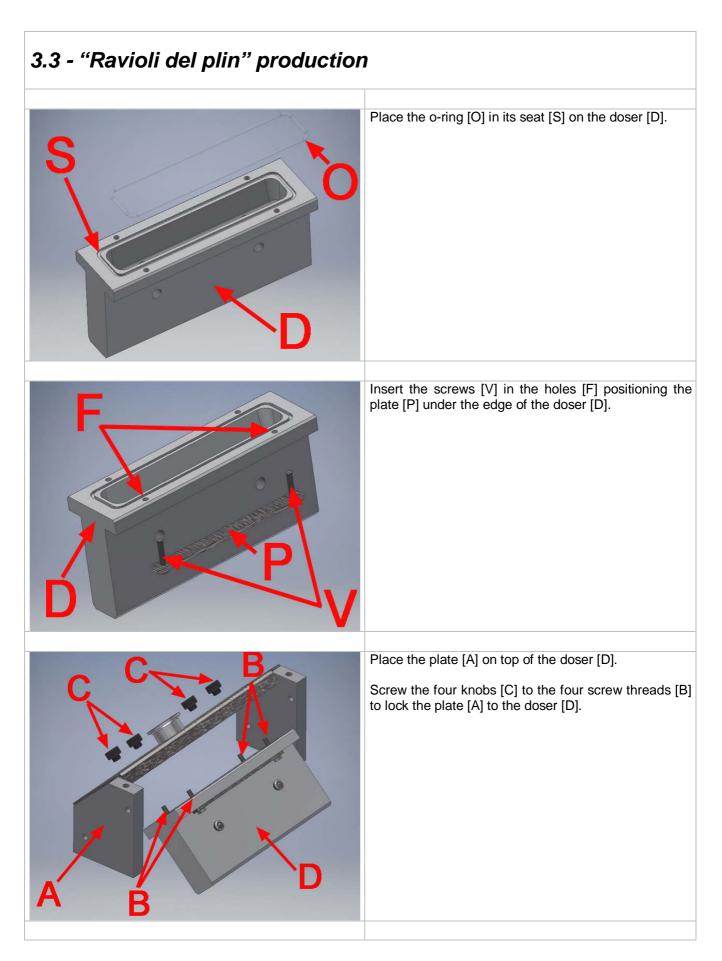


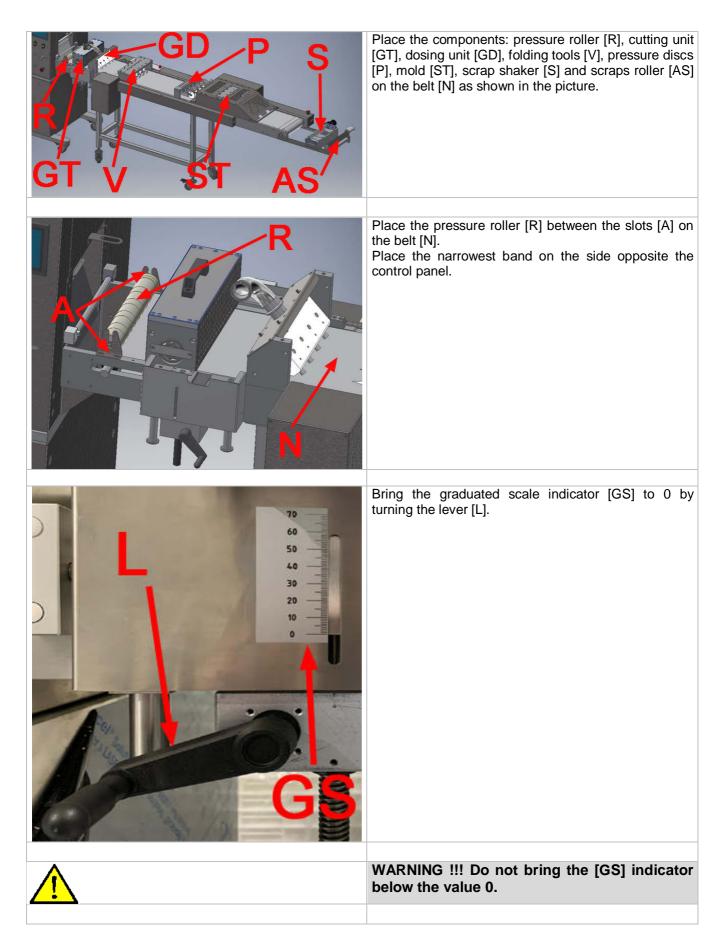
During production It is possible to adjust the amount of filling coming out from the valves of the dosing unit [GD] by acting on the slots [A1, A2, A3] by inserting the supplied tool into one of the two holes on the valve and rotating it. Position the buttonholes [A1, A2, A3] at the correct angle to level the filling quantities, as explained on page 26.

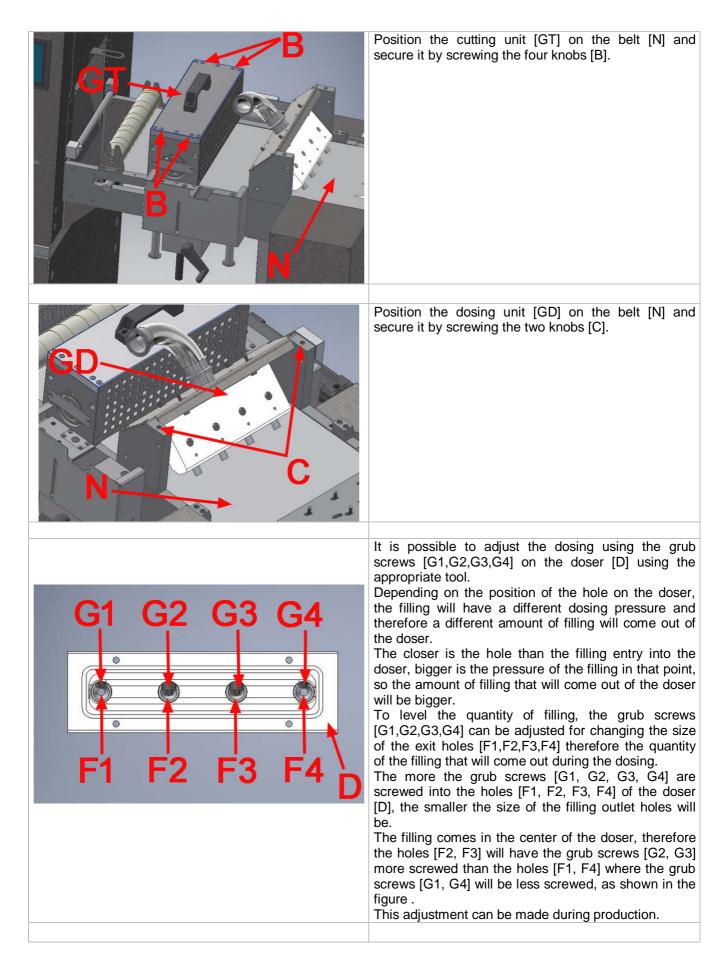


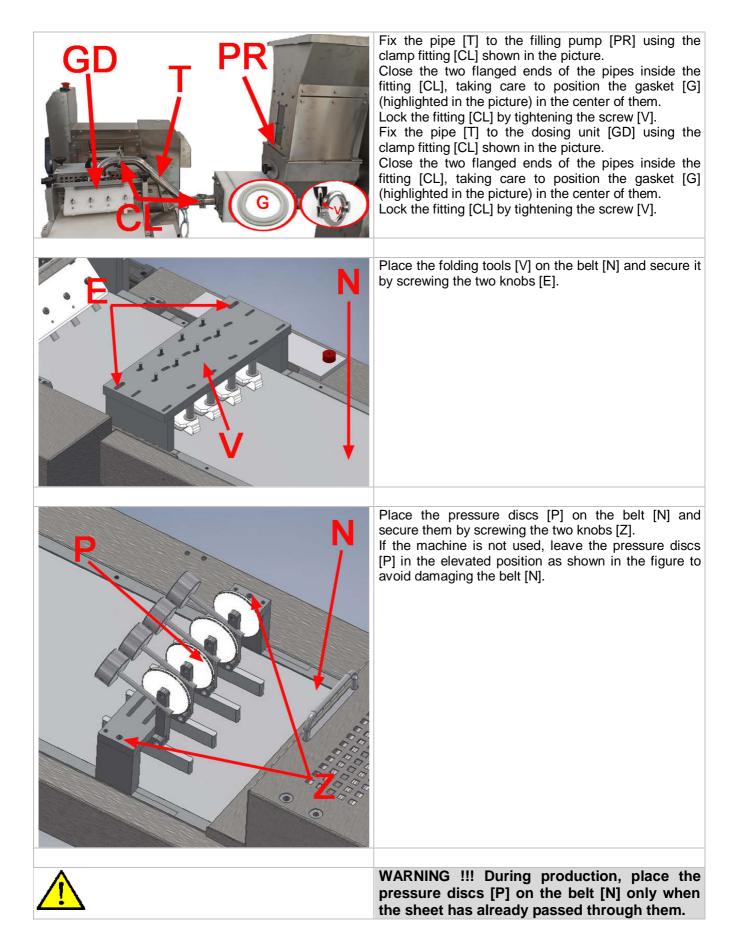
Place the possible sheet scraps (at least 50cm long after the roller) on the two scraps rollers [SC].

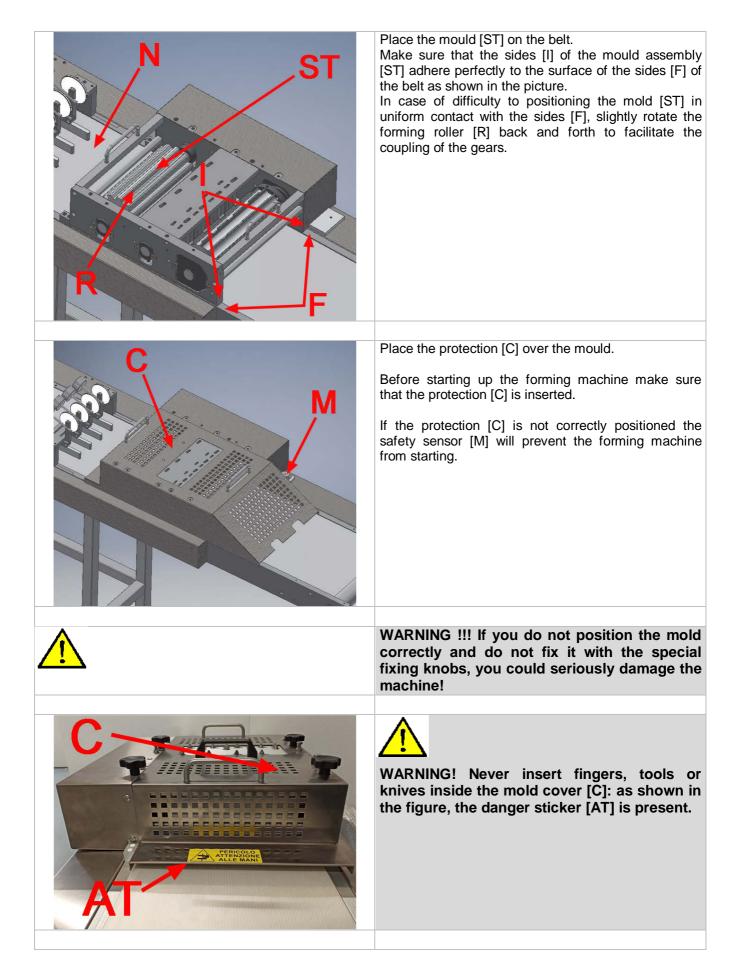
Synchronize by acting on the "SCRAPS" knob [Q7], the speed of the scraps rollers [SC] with the speed of sheet scraps coming from the mold: if the rollers [SC] turn too quickly or too slowly tear or do not remove the sheet.

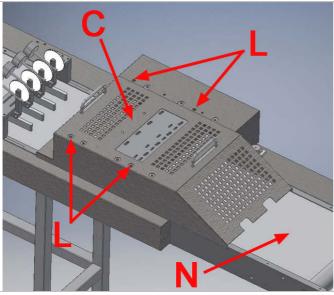




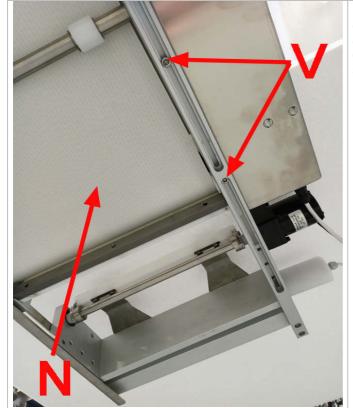






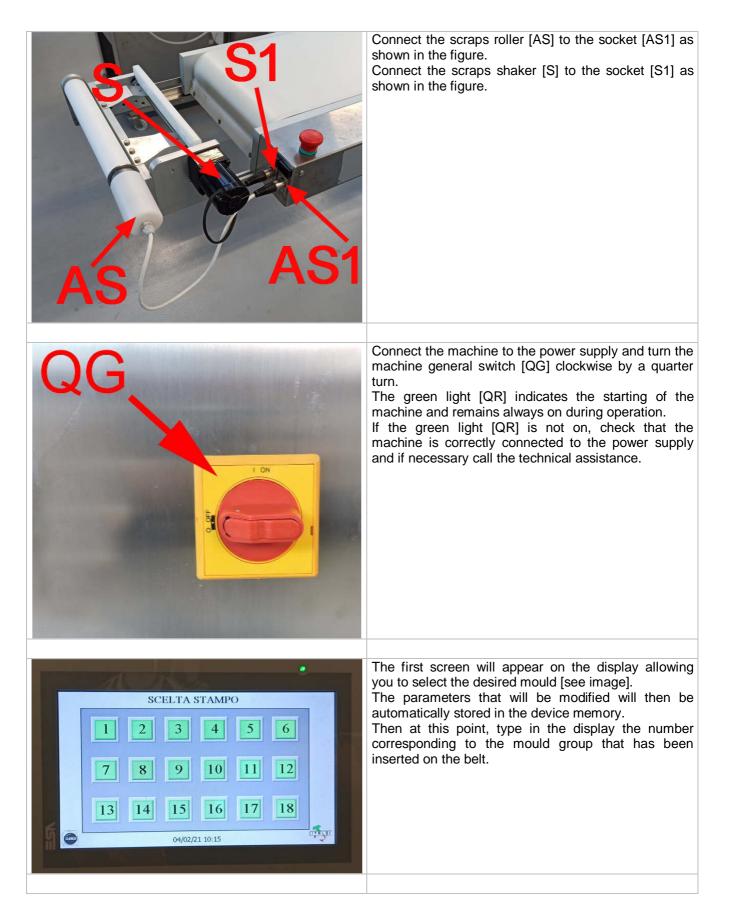


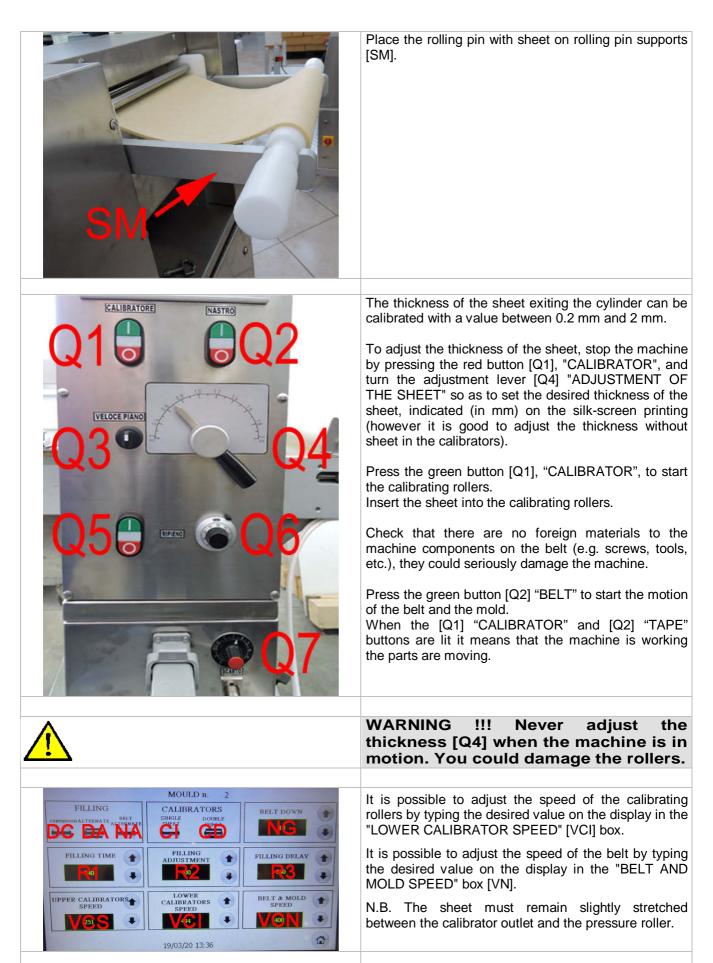
Lock the protection [C] and the mold to the belt [N] by screwing the four knobs [L].

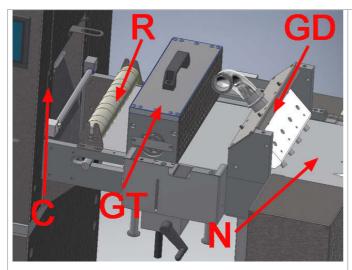


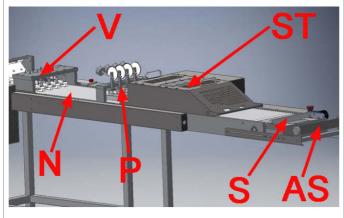
A Contraction of the second se

Slightly unscrew the two screws [V] under the belt [N] and the two knobs [M]. Bring the structure [T] forward as far as it will go. Place the scraps shaker [S] in front of the scraps roller [AS] and secure it with the four screws [O] two on each side.











To produce " plin ravioli" carry out the following operations:

<u>1.</u> Turn the [Q3] switch to "SLOW" in order to make the machine proceed slowly;

<u>2.</u> Take the sheet out of the calibrators [C] and pass it under the pressure roller [R];

<u>3.</u> Pass the sheet under the cutting discs [GT], taking care that the sheet does not get stuck;

<u>4.</u> Pass the strips of sheet under the dosing unit [GD] that is still off;

5. When the strips of sheet are between the dosing group [GD] and the folding tools [V] stop the machine by pressing the red buttons [Q1] "CALIBRATOR" and [Q2] "BELT" and make a longitudinal cut on the strips of sheet to straighten them;

<u>6.</u> Switch on the machine by pressing the green buttons [Q1] "CALIBRATOR" and [Q2] "BELT" and, if necessary, ease the passage of the sheet strips into the folding tools [V];

<u>7.</u> When the strips of sheet are between the folding tools [V] and the pressure discs [P], stop the machine by pressing the red buttons [Q1] "CALIBRATOR" and [Q2] "BELT" and make a new longitudinal cut at the uneven folded strips of sheet to level them, keeping the sheet pressed on the belt [N];

<u>8.</u> Switch on the machine by pressing the green buttons [Q1] "CALIBRATOR" and [Q2] "BELT", in order to pass the strips of sheet under the pressure discs [P];

9. As soon as the strips of sheet pass the pressure discs [P], which are still in the elevated position, place the pressure discs [P] on the sheet. It's important not to do it before, because, if the strips of sheet are inserted under the pressure discs [P], they get stuck;

10. Pass the strips of sheet under the mould [ST] and check that they all come out, that none of them get stuck inside the mould;

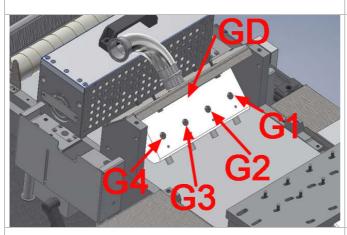
<u>11.</u> Turn the [Q3] switch to "FAST" in order to start the production at regular speed;

12. Place the sheet scraps (at least 50cm long after the roller) on the scraps shaker [S] and on the scraps roller [AS];

13. Start the filling pump by pressing the green button [Q5] "FILLING" and adjust the amount of filling by acting on the potentiometer [Q6] in order to distribute it evenly on the strips of sheet: the filling must not be too slow with respect to the belt, because it would tear, and not too fast with respect to the belt because it would form a serpentine.

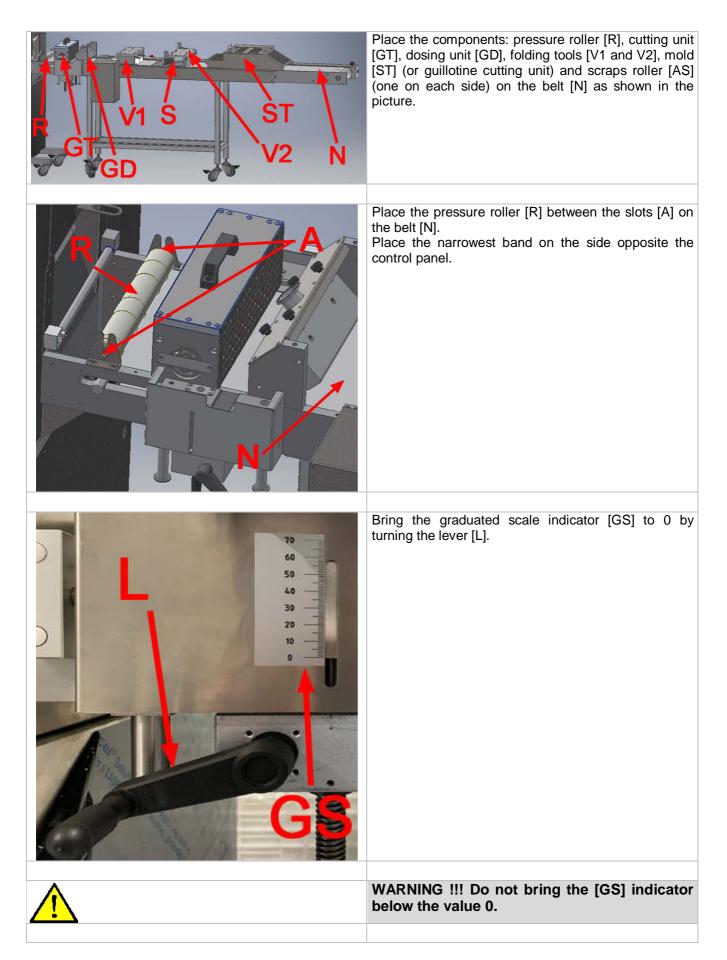
WARNING !!! In case of forming problems during the production of "plin ravioli" do not change the factory settings, but contact the assistance center.

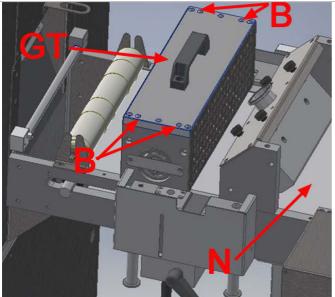




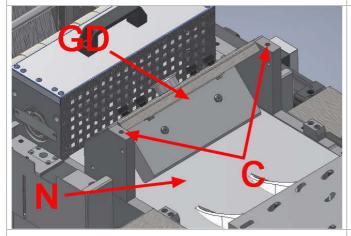
During production It is possible to adjust the amount of filling coming out from the holes of the dosing unit [GD] by acting on the grub screws [A1, A2, A3] by using the supplied tool. Screw or unscrew the grub screws [G4, G3, G2, G1] in order to level the quantity of filling, as explained on page 38.

3.4 - "Cannelloni" production Place the o-ring [O] in its seat [S] on the doser [D]. Insert the screws [V] in the holes [F] positioning the plate [P] under the edge of the doser [D]. Place the plate [A] on top of the doser [D]. Screw the four knobs [C] to the four screw threads [B] to lock the plate [A] to the doser [D]. 6

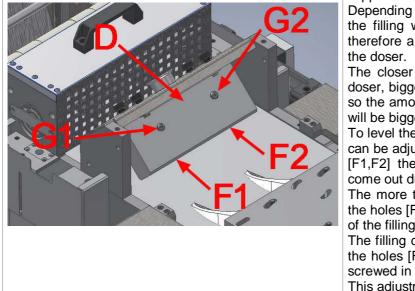




Position the cutting unit [GT] on the belt [N] and secure it by screwing the four knobs [B].



Position the dosing unit [GD] on the belt [N] and secure it by screwing the two knobs [C].



It is possible to adjust the dosing using the grub screws [G1,G2] on the doser [D] using the appropriate supplied tool.

Depending on the position of the hole on the doser, the filling will have a different dosing pressure and therefore a different amount of filling will come out of the doser.

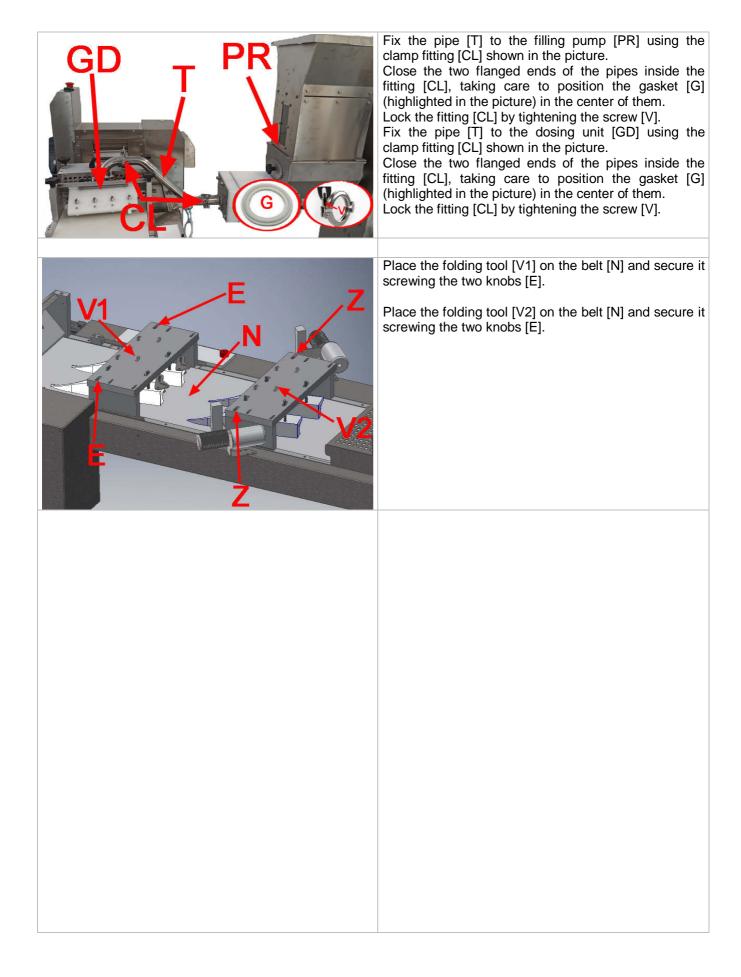
The closer is the hole than the filling entry into the doser, bigger is the pressure of the filling in that point, so the amount of filling that will come out of the doser will be bigger.

To level the quantity of filling, the grub screws [G1,G2] can be adjusted for changing the size of the exit holes [F1,F2] therefore the quantity of the filling that will come out during the dosing.

The more the grub screws [G1,G2] are screwed into the holes [F1, F2] of the doser [D], the smaller the size of the filling outlet holes will be.

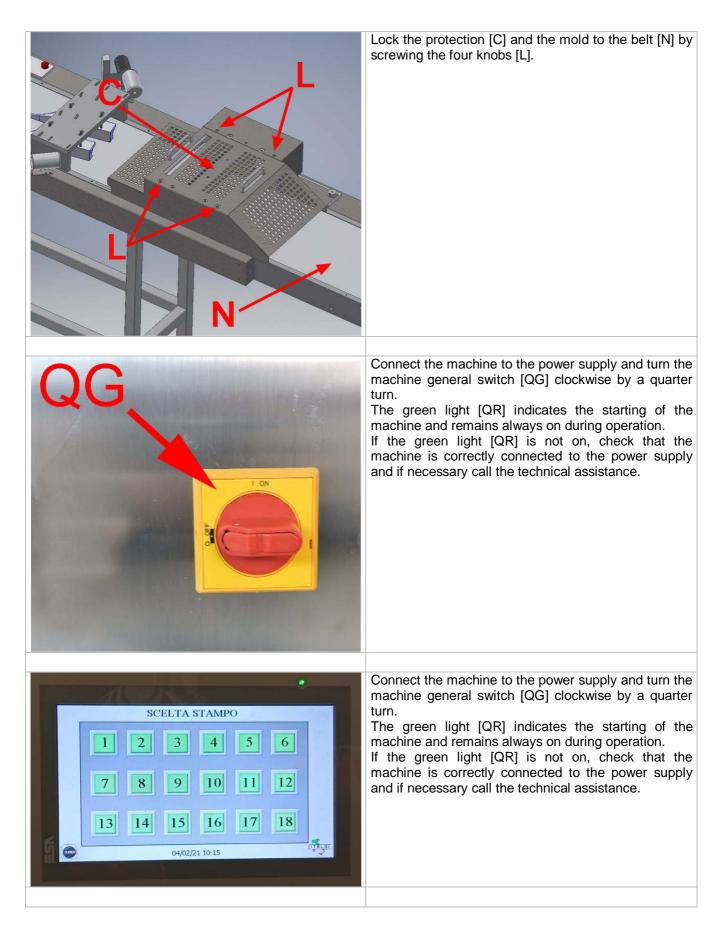
The filling comes in the center of the doser, therefore the holes [F1, F2] will have the grub screws [G1, G2] screwed in about equally.

This adjustment can be made during production.



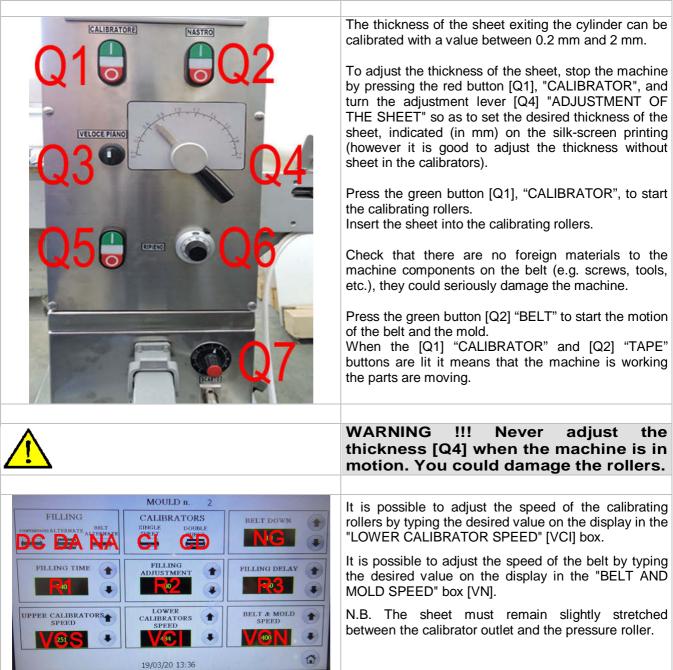
3.4.1. Fixed length "cannelloni" cutting with mold

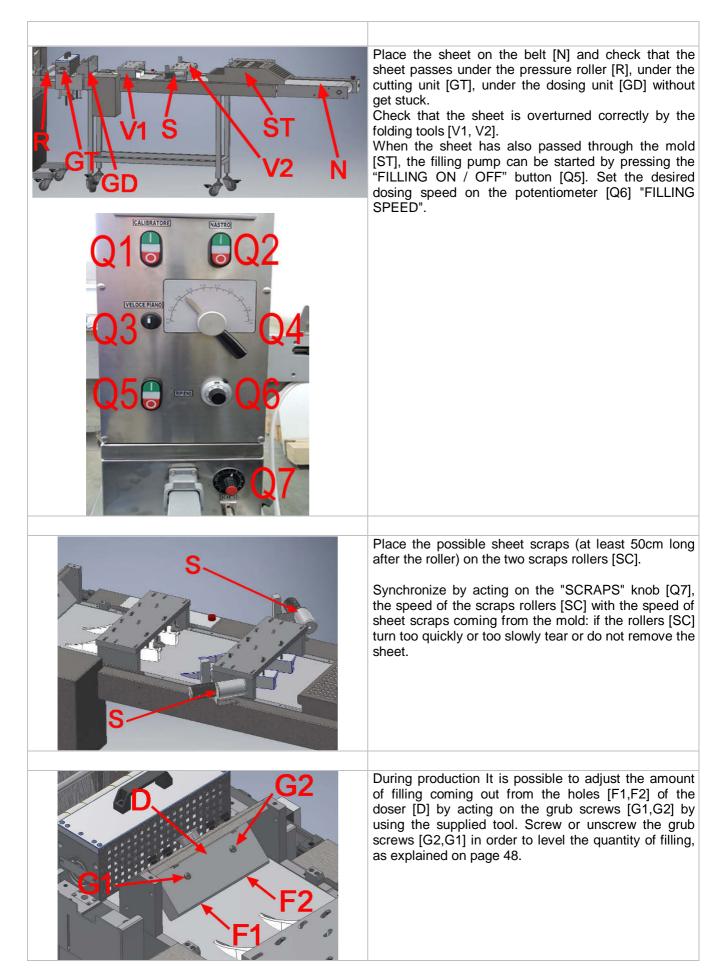
ST R C R C C R C C C C C C C C C C C C C	Place the mould [ST] on the belt. Make sure that the sides [I] of the mould assembly [ST] adhere perfectly to the surface of the sides [F] of the belt as shown in the picture. In case of difficulty to positioning the mold [ST] in uniform contact with the sides [F], slightly rotate the forming roller [R] back and forth to facilitate the coupling of the gears.
	Place the protection [C] over the mould.Before starting up the forming machine make sure that the protection [C] is inserted.If the protection [C] is not correctly positioned the safety sensor [M] will prevent the forming machine from starting.
	WARNING !!! If you do not position the mold correctly and do not fix it with the special fixing knobs, you could seriously damage the machine!
	WARNING! Never insert fingers, tools or knives inside the mold cover [C]: as shown in the figure, the danger sticker [AT] is present.

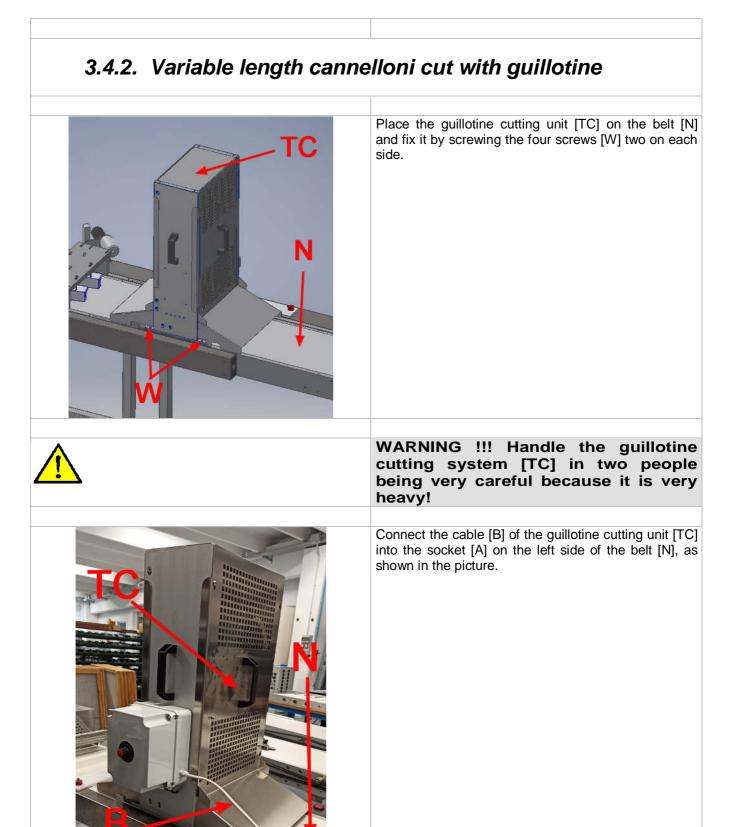


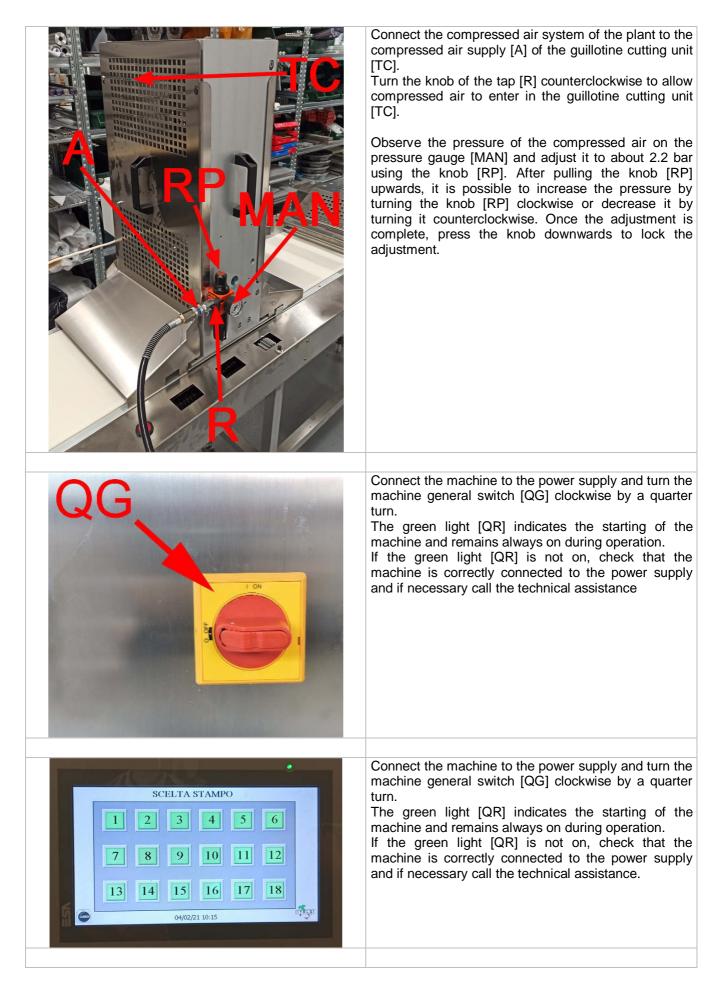


Place the rolling pin with sheet on rolling pin supports [SM].

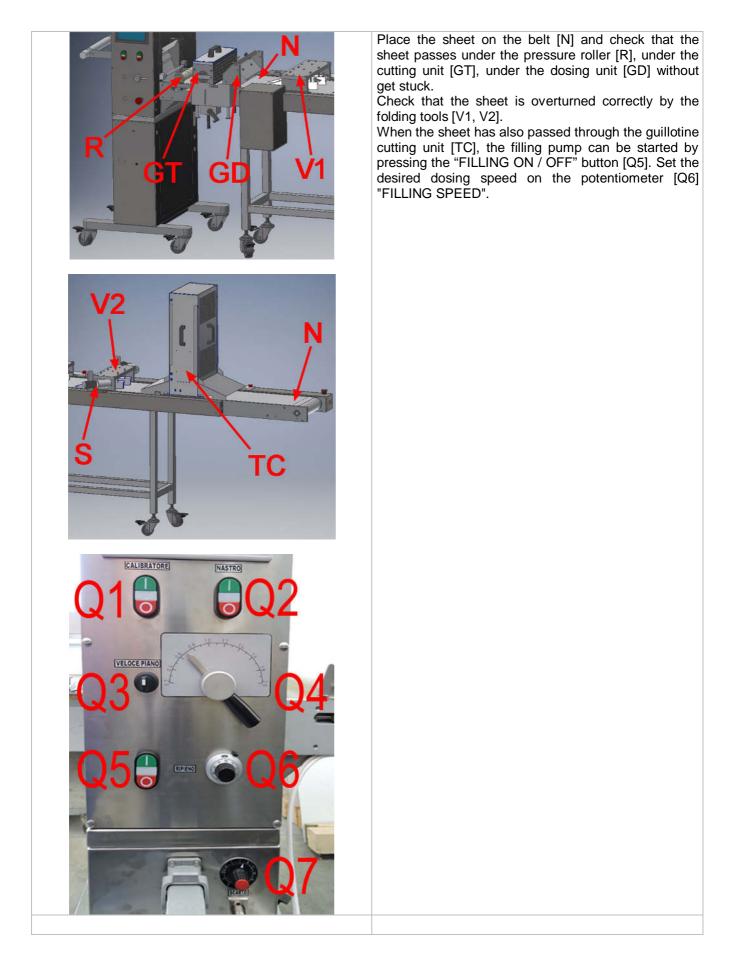


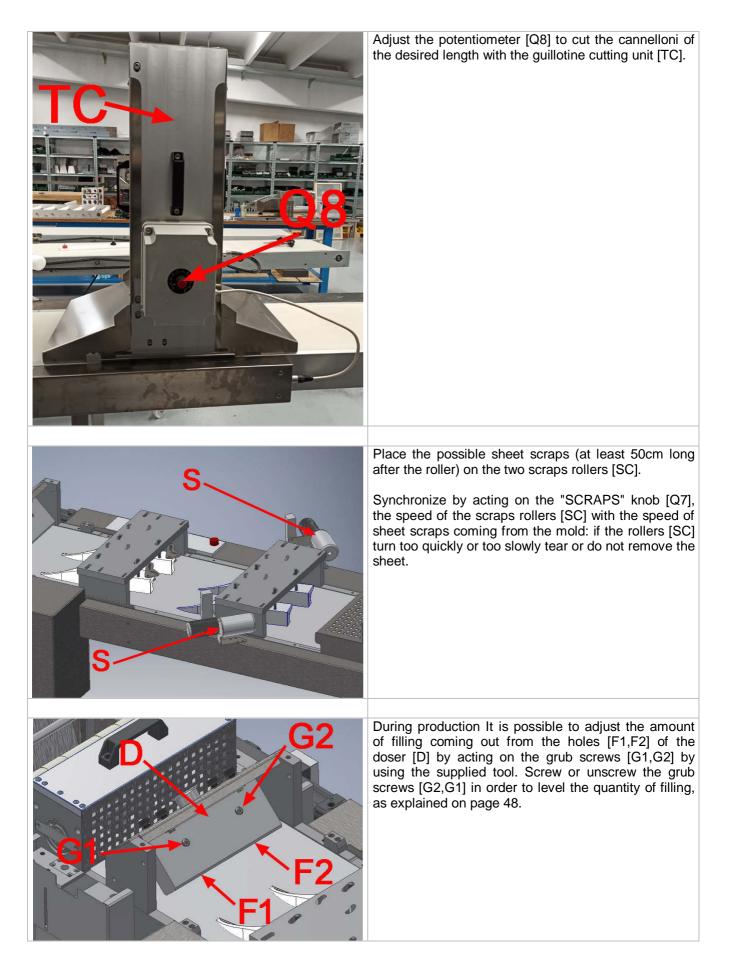






SNC Contractions	Place the rolling pin with sheet on rolling pin supports [SM].
CALIBRATORE Q10 COCE FRANC O3 O4 O4 O5 COCO FRANC FRANC	The thickness of the sheet exiting the cylinder can be calibrated with a value between 0.2 mm and 2 mm. To adjust the thickness of the sheet, stop the machine by pressing the red button [Q1], "CALIBRATOR", and turn the adjustment lever [Q4] "ADJUSTMENT OF THE SHEET" so as to set the desired thickness of the sheet, indicated (in mm) on the silk-screen printing (however it is good to adjust the thickness without sheet in the calibrators). Press the green button [Q1], "CALIBRATOR", to start the calibrating rollers. Insert the sheet into the calibrating rollers. Check that there are no foreign materials to the machine components on the belt (e.g. screws, tools, etc.), they could seriously damage the machine. Press the green button [Q2] "BELT" to start the motion of the belt and the mold. When the [Q1] "CALIBRATOR" and [Q2] "TAPE" buttons are lit it means that the machine is working the parts are moving.
	WARNING !!! Never adjust the thickness [Q4] when the machine is in motion. You could damage the rollers.
MOULD n. 2 FILLING FILLING TIME FILLING T	It is possible to adjust the speed of the calibrating rollers by typing the desired value on the display in the "LOWER CALIBRATOR SPEED" [VCI] box. It is possible to adjust the speed of the belt by typing the desired value on the display in the "BELT AND MOLD SPEED" box [VN]. N.B. The sheet must remain slightly stretched between the calibrator outlet and the pressure roller.





3.5 - Shutdown



OE

First of all, turn off the filling pump so as not to dirty the machine, red stop button [Q5] "FILLING PUMP".

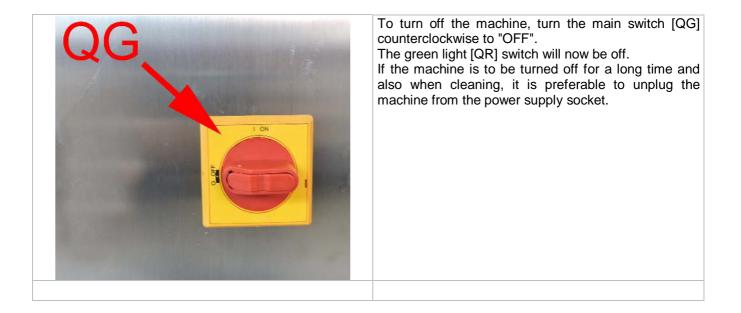
Only after making sure that there is no more product between the calibrating rollers and the mold, press the red stop button [Q1], "CALIBRATORS", the red stop button [Q2], "BELT".

Now you can turn off the machine.





To reactivate the machine, turn the emergency button clockwise.



4 - CLEAN AND MAINTENANCE

4.1 - Clean operation

IMPORTANT !	For the correct working of the machine it is necessary to carry out all the cleaning and maintenance operations indicated in the following paragraph.	
	WARNING !!! Before starting the cleaning operations, disconnect the machine from the power supply!	

4.1.1. Overall cleaning operations

Before starting the cleaning operations, check that the machine is disconnected from the power supply. Blow all the external parts of the RAV160MS – RAV250MS forming machine with compressed air in order to remove all paste residues. Clean and sanitize all external parts of the RAV160MS – RAV250MS forming with a suitable non-aggressive detergent and disposable paper.
WARNING !!! Do not for any reason use knives, rags or other objects to clean the calibrating rollers! You could seriously damage them!
Clean and sanitize the product discharge belt [N] with a suitable non-aggressive detergent and disposable paper.

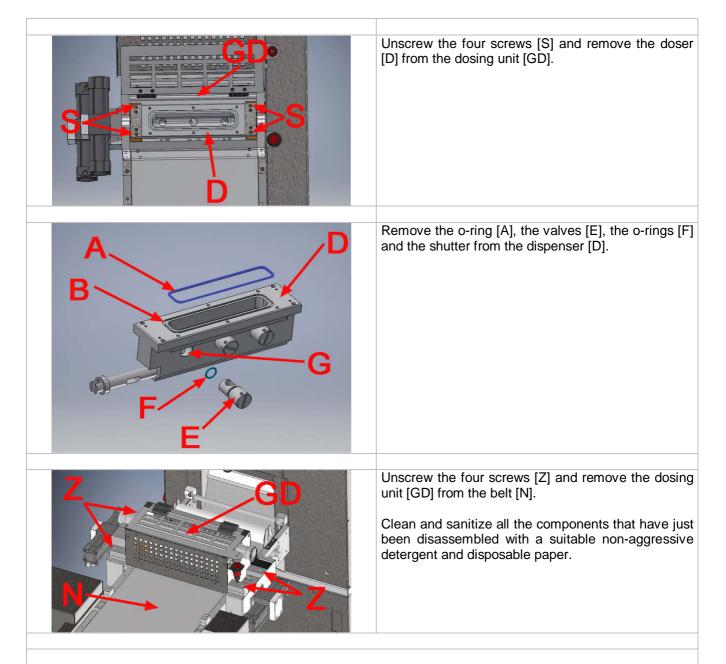


Blow the rear compartment [RP] with compressed air in order to remove all paste residues.

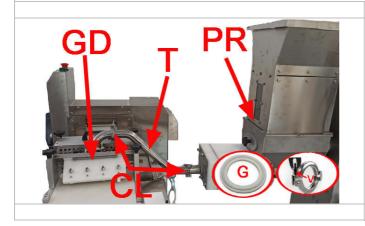
Clean and sanitize the rear compartment [RP] with a suitable non-aggressive detergent and disposable paper.

4.1.2. Cleaning operations hand-formed and overturned dosing unit

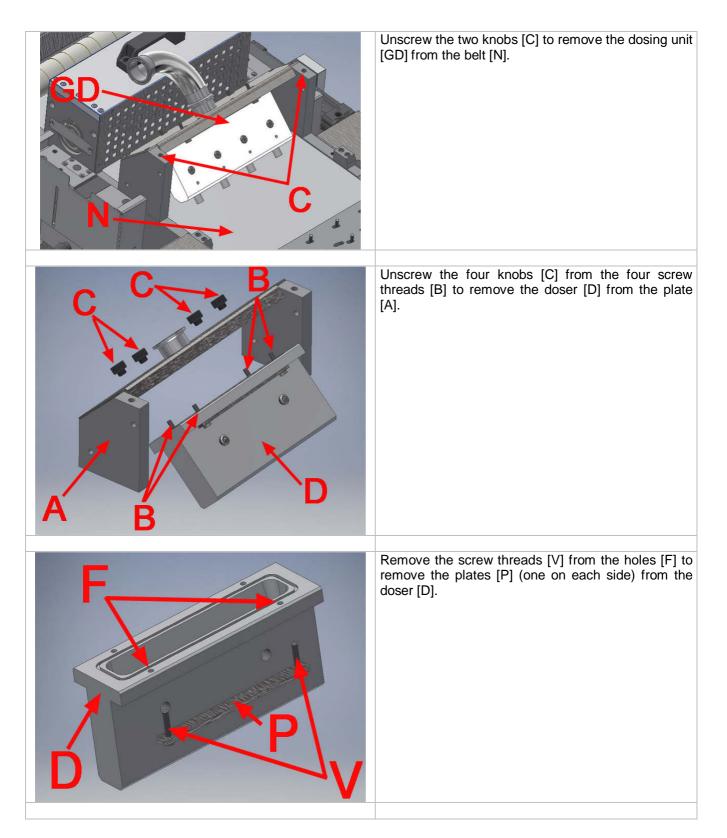
Unscrew the two screws [V] and remove the two clamp fittings [CL]. Be careful not to lose the two gaskets [G]. Removes the tube [T] that connects the dosing unit [GD] and the filling pump [PR].
Unscrew the six screws [S] to remove the tube [T] from the dosing unit [GD].

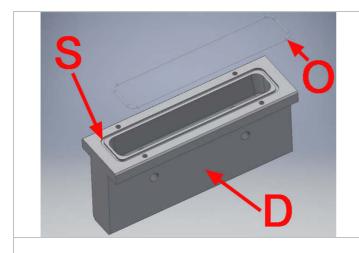


4.1.3. Cleaning operations "plin" and "cannelloni" dosing unit



Unscrew the two screws [V] and remove the two clamp fittings [CL]. Be careful not to lose the two gaskets [G]. Removes the tube [T] that connects the dosing unit [GD] and the filling pump [PR].





Remove the o-ring [O] from its seat [S] on the dispenser [D].

Clean and sanitize all the components that have just been disassembled with a suitable non-aggressive detergent and disposable paper.

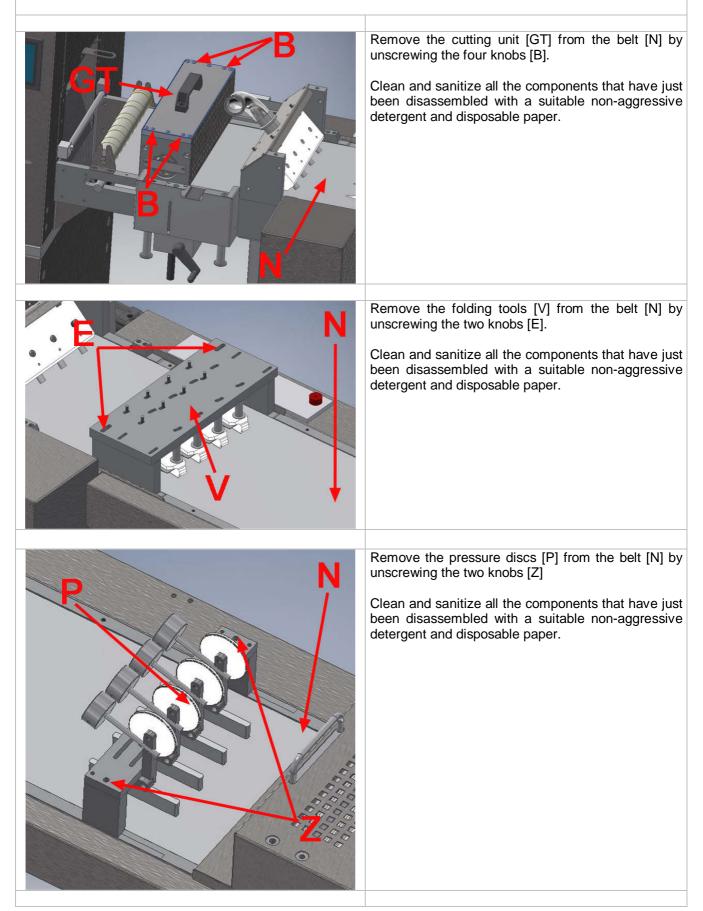
4.1.4. Cleaning operations hand-made production

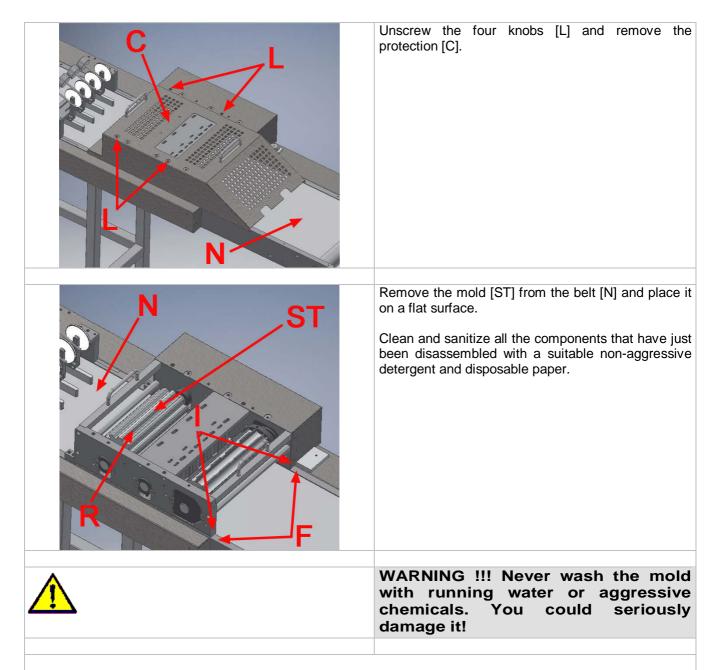
Unscrew the four knobs [L] and remove the protection [C].	
Remove the mold [ST] from the belt [N] and place is on a flat surface. Clean and sanitize all the components that have just been disassembled with a suitable non-aggressive detergent and disposable paper.	
WARNING !!! Never wash the mold with running water or aggressive chemicals. You could seriously damage it!	

4.1.5. Cleaning operations overturned production

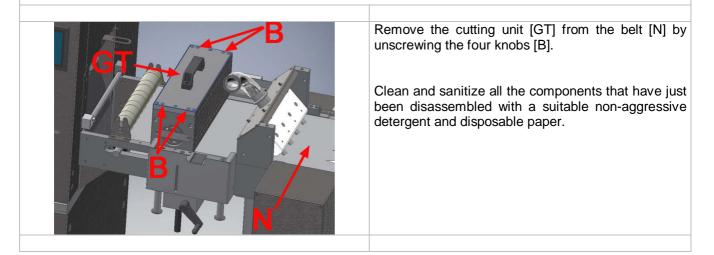
In the case of the overturned production, remove the cutting unit [G] from the belt [N], unscrewing the two knobs [F], and the folding tools [V], unscrewing the two knobs [H]. Clean and sanitize all the components that have just been disassembled with a suitable non-aggressive detergent and disposable paper.
Unscrew the four knobs [L] and remove the protection [C].
Remove the mold [ST] from the belt [N] and place it on a flat surface. Clean and sanitize all the components that have just been disassembled with a suitable non-aggressive detergent and disposable paper.
WARNING !!! Never wash the mold with running water or aggressive chemicals. You could seriously damage it!

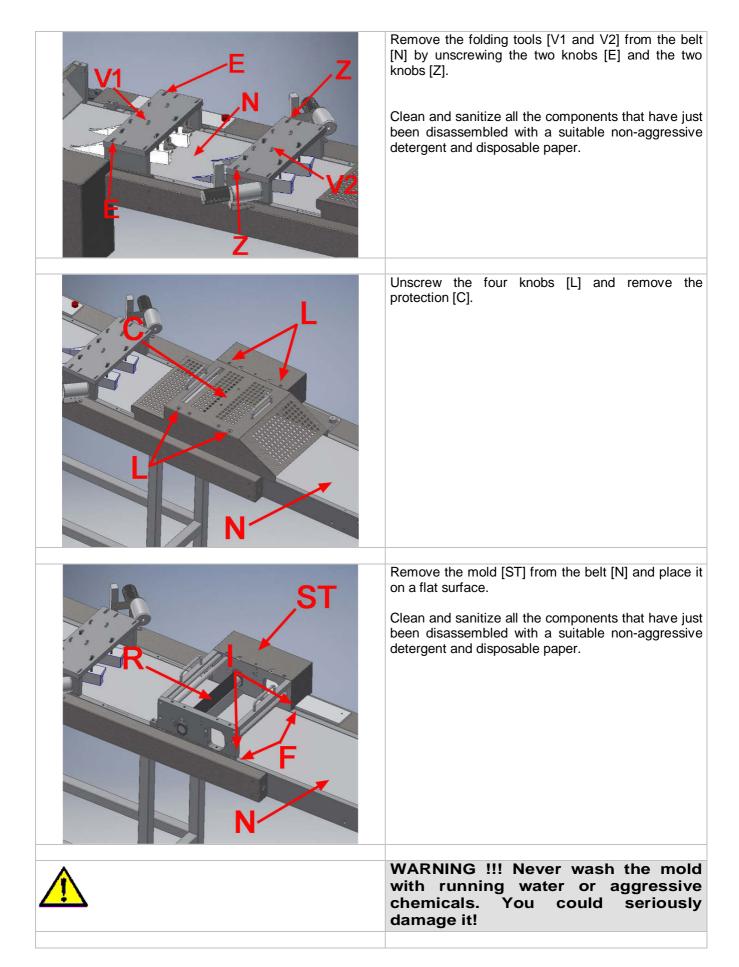
4.1.6. Cleaning operations "plin" production

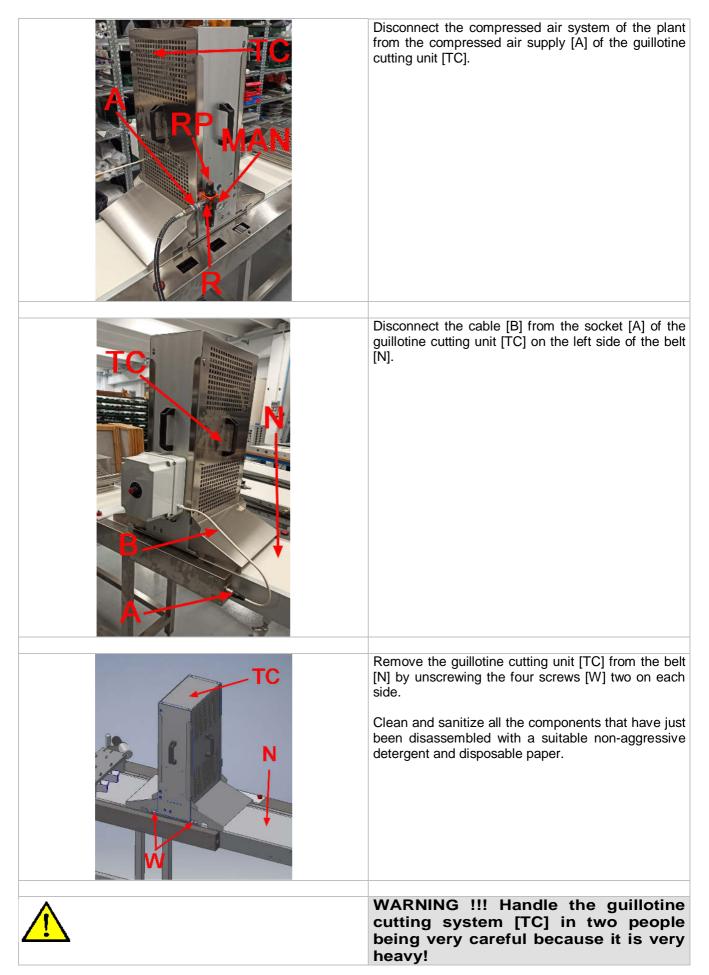




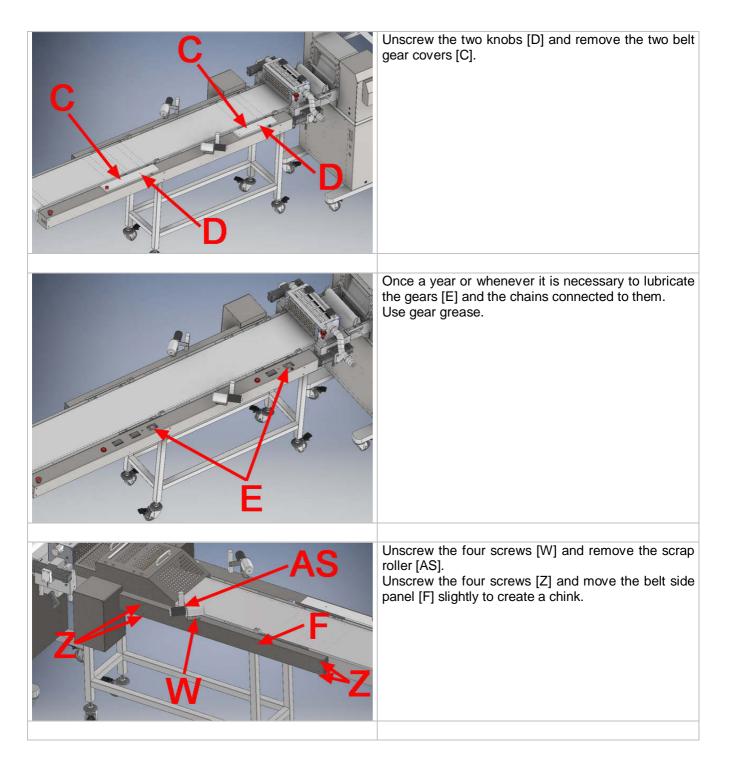
4.1.7. Cleaning operations "cannelloni" production

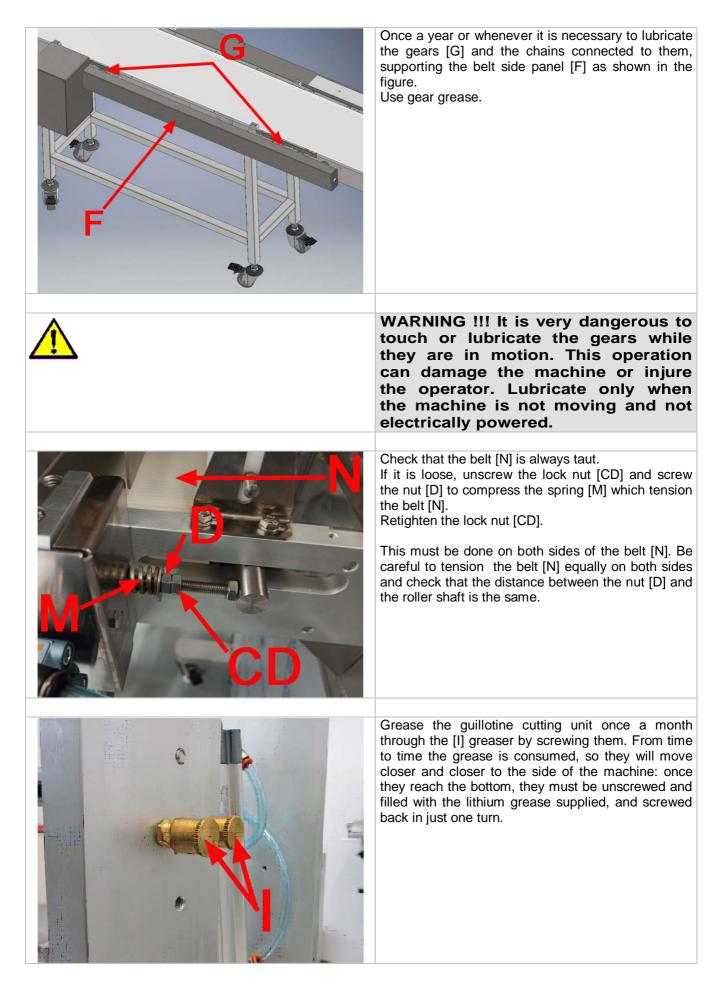






4.2 - Maintenance		
	WARNING !!! Before starting the cleaning operations, disconnect the machine from the power supply!	
IMPORTANT !	Even minimal damage of rollers caused by shock or othe compromise the good working of the machine!	
	Unscrew the four screws [V] and remove the motor side panel [A].	
	Once a year or whenever it is necessary to lubricate the gears [B] located behind the engine [M]. Use gear grease.	





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