SEMIAUTOMATIC LABELLING MACHINE

USE AND MAINTENANCE MANUAL

MODEL	«modello»
SERIAL NUMBER	«matricola»
BUILDING YEAR	«anno_costr»

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EC DECLARATION OF CONFORMITY

The undersigned:

TENCO S.N.C.
Via Arbora, 1
16030 AVEGNO (GE) - ITALY

declares, on its own responsibility, that the new machine:

Type	LABELLING MACHINE
Model	«modello»
Serial number	«matricola»
Building year	«anno_costr»

complies with the Provisions which transpose the 89/392/EEC Machines Directive and following amendments, 89/336/EEC EMC and 73/23/EEC DBT.

Name: Giuseppe Tenco

Position: Sole Director

Place and date : Avegno, 19/05/06

Signature:

SECTION 1 - INTRODUCTION

This booklet describes the instructions for using and servicing the semiautomatic labelling machine for self-adhesive labels.
Proper machine operation depends on correct use and adequate maintenance.

THE MANUFACTURER disclaims all responsibility due to negligence or failure to observe the rules given in the following booklet. In addition, it disclaims all responsibility deriving from improper use of the machine and the equipment.

VERIFY at the time of testing that the Labelling Machine is sound and has all the envisaged equipment.
Any complaints must be made in writing within eight days of the date of testing.

1.01 WARRANTY

The Manufacturer guarantees that the equipment to which these documents refer has been tested and that the established test results have been achieved.
The warranty period shall last 12 months, beginning on the date of delivery of the equipment (as indicated in the transport document), except as otherwise agreed upon between the Parties.
The Manufacturer guarantees the equipment to be free from defects in materials and workmanship. Damage deriving from transport not carried out by transport means of the Manufacturer, from improper maintenance, failure of electrical equipment, improper use or negligence, or adjustments/repairs carried out by service personnel not duly authorized by the Manufacturer or in any case beyond the control of the Manufacturer shall NOT be covered by this warranty.
The warranty cannot be transferred by the initial owner of the product to third parties.
During the applicable warranty period, the Manufacturer will repair or replace free of charge any warranted parts that prove defective. For these operations to be carried out, the equipment shall have to be transported to the Manufacturer, who shall not be responsible for any transport charges.
The Manufacturer shall not repair the equipment during the warranty period at the Customer's premises, except as otherwise agreed upon between the Parties.
After the above specified period, this warrantee shall expire
The Manufacturer shall in no event be liable for any direct, consequential, incidental, indirect or special damages caused to people or property by original defects of the equipment, equipment failure, or subsequent forced stoppage in the use of the equipment.
The Manufacturer shall not be liable for filling defects if, at the time of equipment construction, the Client has failed to provide a full sampling of containers and products required in order to carry out the necessary tests.

1.01.1 MEANING OF THE SYMBOLS

The following symbols used in this booklet warn the operator of possible hazards or trouble.

There are three types:
a) TRIANGULAR indicates DANGER; it may be caused by a certain operation if not carried out correctly.
b) CIRCULAR indicates GENERAL PROHIBITION.
c) HAND indicates special CAUTION over particular operations.

SYMBOL	TYPE	MEANING
	DANGER	General danger
	DANGER	Danger deriving from electricity
	DANGER	Danger deriving from moving parts
	PROHIBITION	General prohibition
	INSTRUCTION	Instructions to be followed with special attention

1.03 TECHNICAL CHARACTERISTICS

Power supply voltage	230 V monofase 50 Hz
Power installed *LXT001*	0,2 KW
Consumi di aria del timbro	0,1 dm^3/min
Pressure	2,5 bar
Production mod. *LXT001*	600 bottles/hour

Round bottle dimensions	**Square bottle dimensions**
minimum diameter 60 mm	minimum side 45
maximum diameter 120 mm	maximum side 80

Label dimensions

maximum label lenght with no back label	280 mm
maximum height of paper support (standard rollers)	145 mm
maximum height of paper support (high rollers)	180 mm
minimum label height	15 mm

maximum distance of front and back labels from the bottom belt base 18 mm Fig. 1

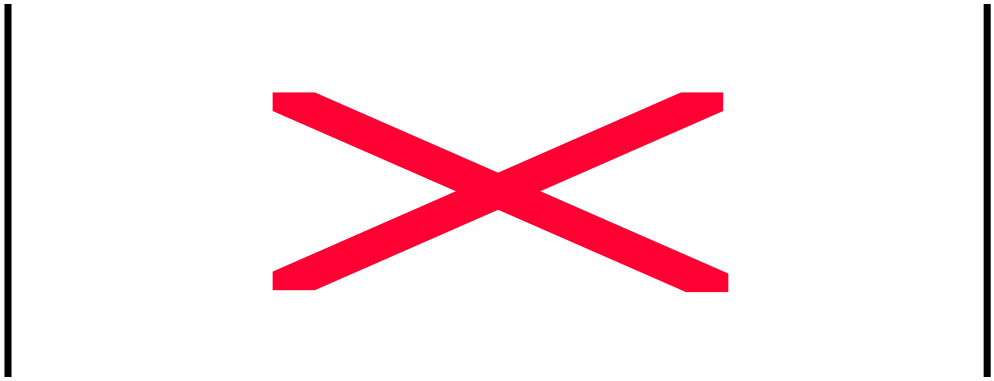


FIG. 1

Mass: 45 Kg

Dimensions standard version		**Dimensions stamp version**	
width	0,700 m	width	0,995 m
height	0.615 m	height	0,670 m
depth	0.480 m	depth	0,470 m

Sound level 50 Db

1.03 DESCRIPTION OF MACHINE AND USE LIMITS

This machine is a semiautomatic labelling machine, which can be installed on a bench or on a special trolley with wheels.
Using this machine it is possible to apply front and/or back labels onto:

a) RIGID CYLINDRICAL CONTAINERS
b) TAPERED CONTAINERS WITH TAPERING LESS THAN 1° 30'
c) SQUARE CONTAINERS (with additional equipment)

Such as, for example, bottles or jars, etc. made of plastic or glass, capable, without getting deformed, of withstanding the pressure exerted by the locking roller which acts with a force of 12 daN.
It is not designed to operate in special industrial environments, for instance with an explosion hazard.

1.04 TRANSPORTATION

During transportation the machine is secured to the bottom of a pallet by means of plastic straps and it is protected externally by a suitable plastic covering for packaging.
The machine is equipped with two side handles by means of which it can easily be transported by hand.

1.05 SPARE PARTS

If you need to replace spare parts, call directly the MANUFACTURER.

1.06 DEMOLITION

In order to demolish the machine it is necessary to dismantle it by separating the metal parts of steel, aluminium and copper from the plastic parts of PVC.
Recover the grease of the speed reduction units contained in the movement casing of the labelling stations.
Transport these materials, separated in this way, to the appropriate waste disposal centres.

1.07 INSTALLATION

Important
1.07.1 Transportation and unpacking

Before installing the machine, read the instructions contained in the following BOOKLET.

This machine is equipped with two sturdy side handles that allow transportation by hand.
Take the machine as close as possible to the place of work before removing the pallet and protective covering.
Close to the place of work there must be an electricity socket and a compressed air connection if the machine is equipped with a stamp.

1.07.2 Shipment control

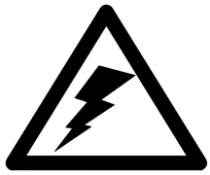
Carefully check the material according to the packing list which is to be found in the attached envelope.
Any missing parts must be immediately notified to your direct distributor.
Any missing parts, of which there is no note in the packing list, will need to be

1.08 POWER SUPPLY

1.08.1 Electricity

The connections, including earthing and the connection to the protection conductor, must be in conformity with the local provisions and will need to be made by a qualified electrician.
The protection equipment for direct contacts must be chosen according to the electricity distribution system.
For TT systems the machine should be connected to the earthing system and must be placed under a differential switch; for TN systems there must be a thermo-magnetic switch such that its action respects the time/current safety curve. The machine impedance is less than 0.26 ohm.
The alternating current power supply must have no high inductive loads, which must be less than 5 KVA.
Make sure the alternating current has no high and low voltages, momentary overvoltage or overcurrent. In these cases, a separate power supply is therefore recommended. It is important for the current supplied to be “clean” and the machine to be properly connected.

Caution



Before making any electrical connection, turn off the main switch above the machine’s power cable which must be adequate in accordance with the provisions of local boards.

Check that the main voltage and frequency are those relative for the machine and that the connection between the protection circuit and the machine is effective.

1.08.2 Compressed air

The basic machine requires a minimum of 0.6 dm_ /min with a pressure of 4 bar if there is a stamp.
To connect the machine, use a standard fitting with Ø 8 mm.
If a quick connection is used it must have at least Ø 8 mm.

Important

Check that the oil is at the right level in the tank 1 Fig. 1c, and that there is no water in the condensate tank 2 (Fig. 1c); turn the knob 6 in the direction of the arrow if you wish to have automatic water draining; to open the air, pull sleeve 5 upwards; to adjust the pressure pull knob 3 upwards and turn it; read the pressure on pressure gauge 4 and set it to 4 bar (4 atm); Mobil DTE light oil or the equivalent should be used.

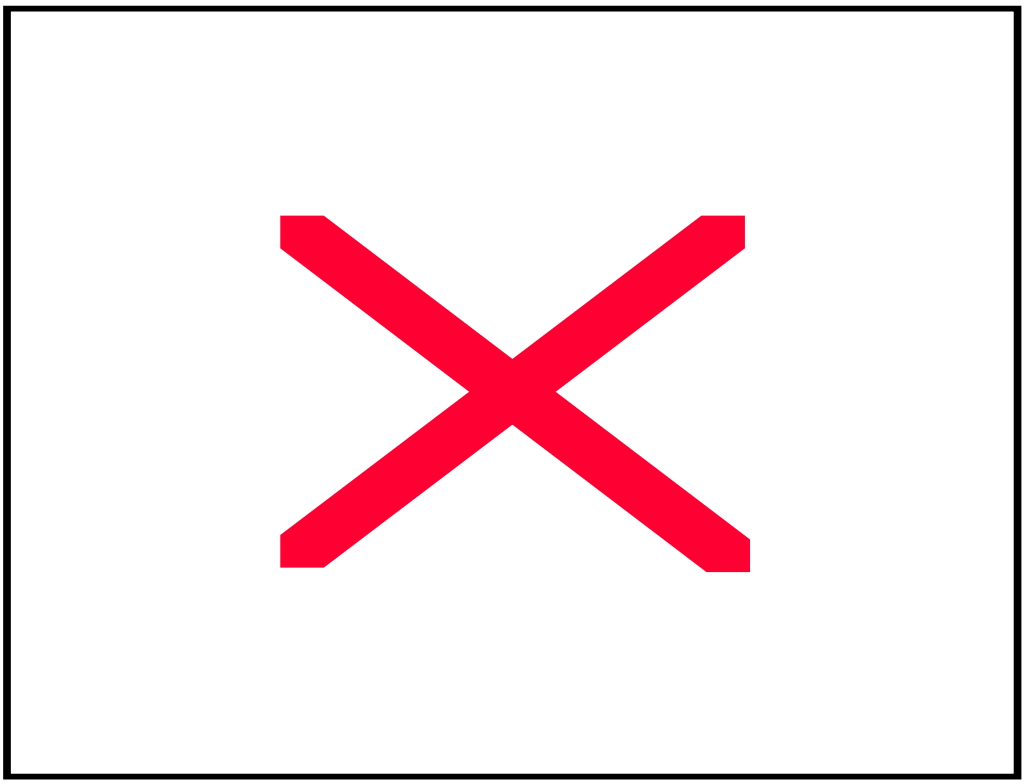


FIG. 1/c

The place where the machine is installed must have lighting of between 200-250 lux.

SECTION 2 - GENERAL PRECAUTIONS

2.01 CLOTHING

Since it is a machine with moving parts, you are recommended not to wear jewellery or loose clothes; long hair must be gathered up in a hair-net.

2.02 AUTHORIZED PERSONNEL TO USE THE MACHINE

It is absolutely prohibited to have children, extraneous or inexpert persons or persons not in good health from touching or using this labelling machine.

2.03 REPAIRS

Parts that may turn out to be broken or damaged must be repaired or replaced by personnel authorised by the MANUFACTURER.
Repairing or having repairs made by personnel not authorised by the MANUFACTURER means, besides losing warranty, operating with a machine that is not safe and is potentially dangerous.

2.04 CHECKING THE ELECTRIC POWER CABLE

If the machine is powered via a loose cable (for example when the machine is mounted on wheels to be able to be moved) check that the power socket is suitable and in accordance with the standards, and that there is protection to standards designed to trip in the case of indirect contacts.
Any extensions of the electrical cable must have plugs/sockets with earthing as required by the standards.
Use only admitted and marked cables. Never use the cable to pull out the plug.
Periodically check the integrity of the cable; replace it if it is not sound: this should be done by specialised personnel.
Protect the cable from high temperatures, sharp corners, lubricants.
Do not let children or extraneous persons touch the cable.

SECTION 3 - PUTTING THE MACHINE INTO OPERATION

3.01 INSTALLING THE PAPER ROLLER GUIDE DISCS

a) Position the paper guide disc 1 Fig. 2 onto pin 2 so that the distance of the disc from the vertical plane of the machine is 80 mm.

b) Using the appropriate wrench, screw down the screw 18 so as to lock disc 1 in said position.

3.02 INSTALLING THE LABEL ROLLER

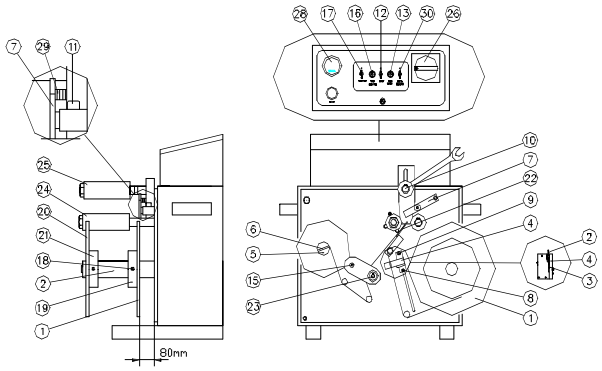


FIG. 2

a) After installing the bottom disc and checking its position (see point 3.01) insert the label roller into pin 2 Fig. 2 inserting it into the ring 19 and put over this the retainer disc 20 so that the ring 21 enters the middle hole of the paper roller.

b) Unwind the label tape making it pass around the pins, following the route shown in the diagram on the face of the machine, to reach close to the photocell 4 Fig. 2.

c) Insert the paper into the slot no. 3 of the photoelectric cell no. 4 and pass it onto the dispensing blade 22.

d) Using your hands, pull the portion of tape continuing beyond the blade so as to remove the labels 1 fig.3 until the paper base 2 Fig. 3 is sufficiently long to be able to reach the roller 5 Fig. 2.

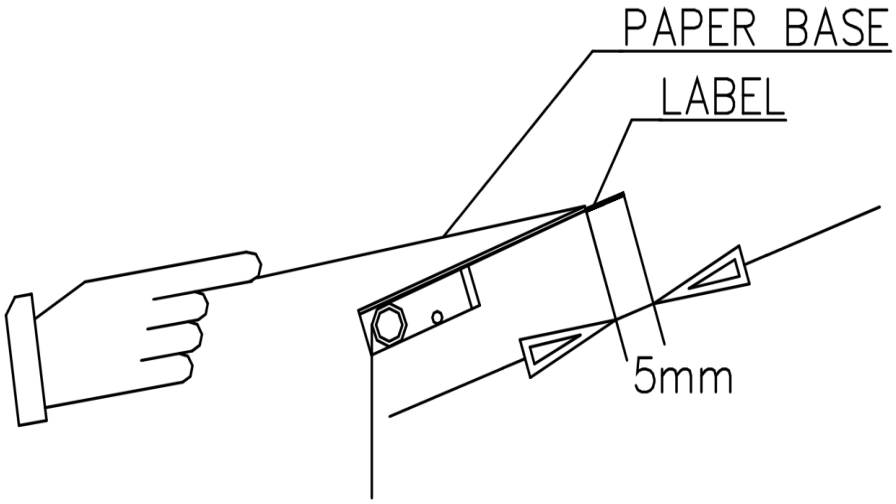


FIG. 3

e) Unlook the paper-pressing roller no. 15 lifting it upwards and make the paper base pass between it and the rubberized roller 23 and continue as far as the pin 5.

f) Remove the fork 6 from pin 5, and wind the paper base one turn around this pin.

g) Lock the paper on the pin with the tool no. 6:
For the paper is locked it must be under the arms of the fork.

CAUTION

The paper must be wound around pin 5 in the direction shown in the diagram located on the front of the machine, if the direction of winding is wrong the paper will not wind.

3.03 ADJUSTING THE LABEL OUTPUT

To adjust the output of the labels proceed as follows:

a) Act on pin 5 by turning it by hand in an anticlockwise direction after checking that the paper-pressing roller is raised; this causes the labels to come off the tape.

b) Stop when the label protrudes from the blade by approximately 5 mm Fig. 3.

c) Lock the paper base by turning the roller 15.

Loosen screws 8 and 9 and position the photocell 10-15mm beyond the first space between the labels in the direction of the drive roller Fig. 4: this is a rough adjusting.

Make a few labelling test with some samples.

Verify that the label comes out from the blade approx. 5 mm:

if it comes out less, loosen screws 8 and 9 fig.2, then move the photocell 4 fig.2 towards the blade. otherwise turn it on the contrary.

Now, switch on the machine and verify if the label comes out correctly, or repeat the above operation.

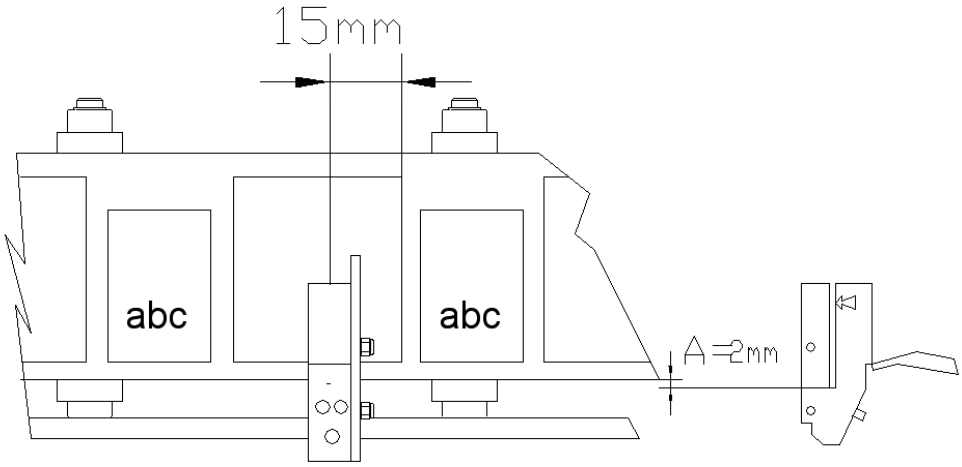


FIG. 4

3.04 ADJUSTING THE DISTANCE OF THE LABEL FROM THE BOTTOM OF THE BOTTLE

To adjust the distance of the label from the bottom of the bottle, proceed as follows:

(a) Loosen the screws 11 Fig. 2 that keep the bottle retainer 7 secured.
(b) Place a bottle on the rollers 24 and move the retainer 7 until the label on the tape is at the desired height.
(c) Lock the retainer 7 in this position by screwing down the screws 11.
(d) Attached to the bottle retainer 7 there is a ruler 29 to be used like a reference to fix the retainer.

3.05 PRELIMINARY OPERATIONS TO STARTING THE MACHINE

3.05.1 Adjusting the position of the label stop photocell.

a) Turn on the main switch 26 fig. 2 on the control panel, and turn switch 12 Fig. 2 onto OFF
b) By hand, press the bottle support 7 Fig. 2; this causes a label to come out.
c) Check that the label on the blade protrudes from it by approximately 5 mm.
If it protrudes any more, move the photocell by proceeding as instructed in point 3.03 and by the same extent downwards; proceed in the opposite sense if it protrudes any less.

3.05.2 Adjusting the bottle-pressing roller

a) Press the bottle retainer 7; the machine carries out one cycle and the bottle-pressing roller stops at the highest point.
b) Turn off the main switch on the left-hand side.
c) Insert the key supplied into the housing of pin 10 Fig. 2 and turn it anticlockwise so as to loosen it and make it possible to move the roller 25.
d) Put the bottle to be packaged between the rollers 24 and move roller 25 so that between it and the bottle beneath a space remains of approximately 15mm; lock the pin 10 in this position by turning the wrench clockwise.
e) Turn switch 17 onto OFF if there is only the front label on the tape,
onto ON if the back label is on the tape as well.

3.06 STARTING THE MACHINE

a) Turn on the main switch 26 fig.2 on the control panel.
b) Put a bottle between the rollers to press retainer 7.
c) Let go of the bottle.

The top roller falls, locking the bottle, which during rotation is labelled.

3.06.1 Presence of back label

If there is also the back label on the tape, it is necessary to set its position with respect to the label.
To do this it is necessary to act on the potentiometer 16 proceeding as follows:

if, looking at the bottle opposite, the space between front and back label on the left is less than that on the right, turn the potentiometer clockwise; if it is greater turn it in the opposite direction.

Repeat this operation until the difference is in the order of 2-3 mm. The machine will not reach a

SECTION 4 - POSSIBILITY OF APPLYING A BACK LABEL WITH REFERENCE TO A LABEL ALREADY PRESENT ON THE BOTTLE

For the machine to be able to apply a back label taking a label that is already present as reference, it is necessary for the machine to leave the FACTORY with a special photocell (1 fig. 4a) installed that is capable of detecting the position of the label or a microswitch installed on device 7 Fig. 2 capable of detecting the mark on the bottom of the bottle.

If this photocell is present, to be able to carry out this operation you must firstly install the roll of back labels and carry out all the adjustments given in points 3.00 and following, then proceed as follows:

a) Turn switch 17 onto OFF.

b) Turn switch 12 onto ON.

c) After making one package, adjust the position of the back label with respect to the front label by means of the potentiometer 13 (see point 3.06.1).

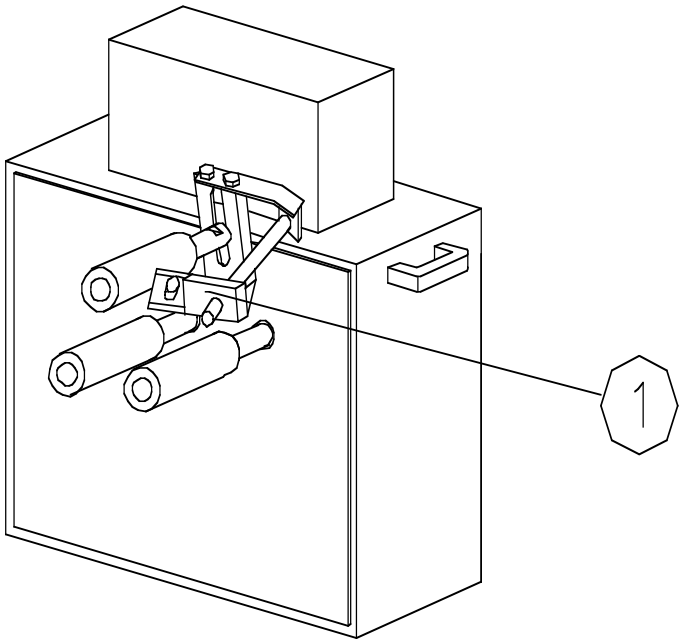


FIG. 4

SECTION 5 – PAPER SETTINGS

5.00 PAPER QUALITY

If the quality of the paper is not suitable for self-adhesive labels, they may easily get twisted on leaving the blade (Fig. 5) causing poor machine operation.

It is advised to send us samples of paper before making any purchases so it can be tested thereby avoiding unpleasant surprises.

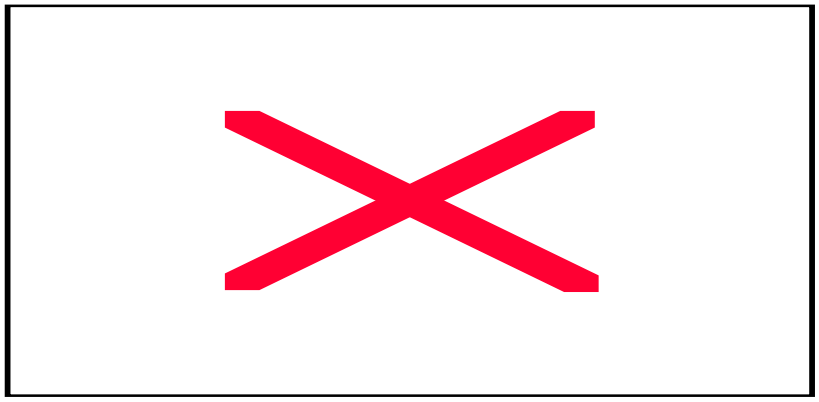


FIG. 5

5.01 DIRECTION OF PAPER WINDING

Front and back label rollers must be wound as showed in Fig. 6 in case of cylindrical bottles or as showed in Fig. 6a in case of square bottles.

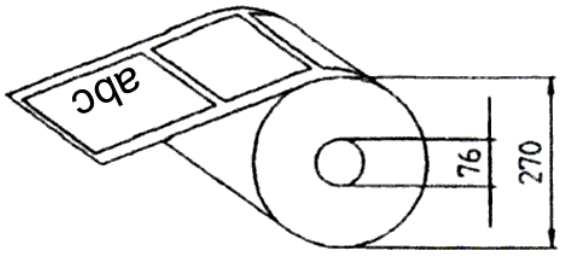


FIG. 6

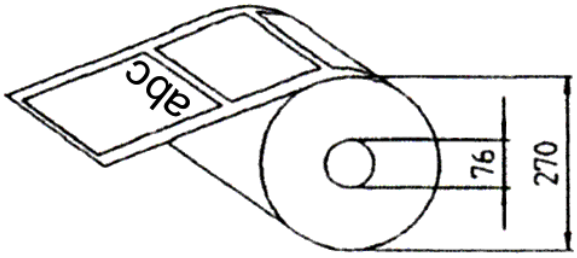


FIG. 6/A

If the front and back labels are on the same roller, the distance between the two bases must not exceed 18 mm Fig. 7.

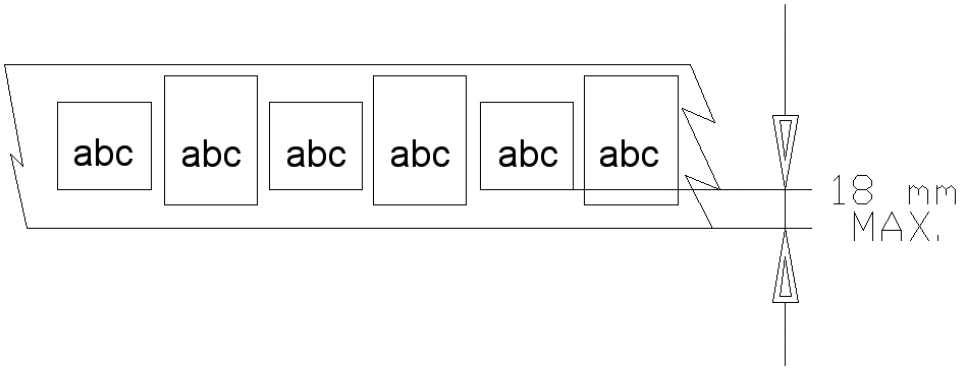


FIG. 7

5.02 ADJUSTING THE SENSITIVITY OF THE PHOTOCELLS TYPE INFRA

The machine exit from the factory already setted.
The only case where it is necessary to adjust it again, is when you are using labels different from the first ones.

a) Loosen the paper tape in the section from the paper roller to the label output blade.
b) Put the space between the labels in the photocell detection area (photocell centre line), Fig. 8

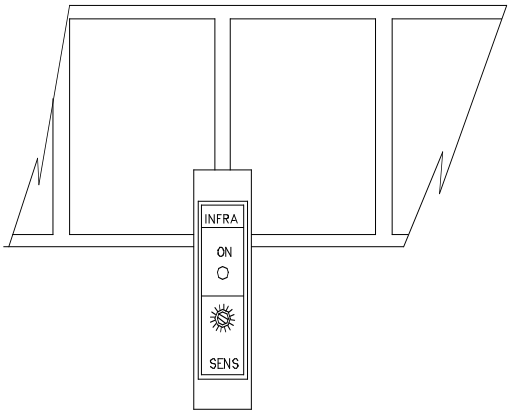


FIG. 8

c) With the tape in this position, turn the photocell potentiometer 2 Fig. 9 anticlockwise with a small screwdriver until the yellow LED 1 comes on.

d) Move the labels so that in the detection area there is now a label and not the space between them, and turn the potentiometer clockwise until the LED goes out, counting the number of turns necessary to switch it off.

e) Turn the potentiometer anti-clockwise by half the number of turns counted beforehand.

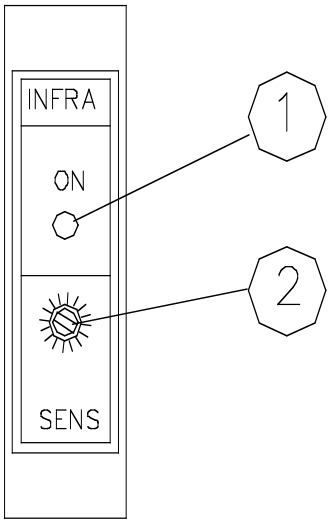


FIG. 9

SECTION 6 – MACHINE STOP MICRO

6.00 ADJUSTING THE MACHINE STOP MICRO

This adjustment should be done after a running-in period of approximately 100 hours of work and it should be repeated over time

This adjustment becomes necessary since the reduction units mounted inside the machine after the first few hours of use are run in which makes them freer.

The greater smoothness of the reduction units makes the cycle stop no longer when the bottle-pressing roller is at the highest point, but when it has already started the downstroke.

This phenomenon always decreases the free space available for introducing the bottle.

Adjustment is therefore necessary in order to bring operation back into optimum condition.

To make this adjustment you need to proceed as follows:

a) Cut off power to the machine by turning off the main switch on the left of the machine.

b) Take off the rear panel of the casing.

c) When the machine stops at the end of a cycle, the roller 25 Fig. 2, which presses the bottle, must be lifted off the bottle by approximately 15 mm and for this reason the bearing 7 Tab. 2 must stop exactly at the highest point of the cam 8 Tab. 2.

If the position of the cam 8 Tab. 2 is such that the bearing is not stopped in the highest area of the cam, it is necessary to adjust the position of the connecting rod 5 Tab. 2 that operates the microswitch 18 Tab. 2.

loosen the screw that tightens the cam and the connecting rod (Tab.2) and turn the connecting rod 5 Tab.2 clockwise by 4-5 mm and tighten the screw back up;

e) To make the machine run a cycle and check whether the bearing, when the cam stops, is at the highest point of the cam; if this is not so, repeat the procedure until this condition is reached, then put the rear cover back on.

SECTION 7 - SQUARE BOTTLES

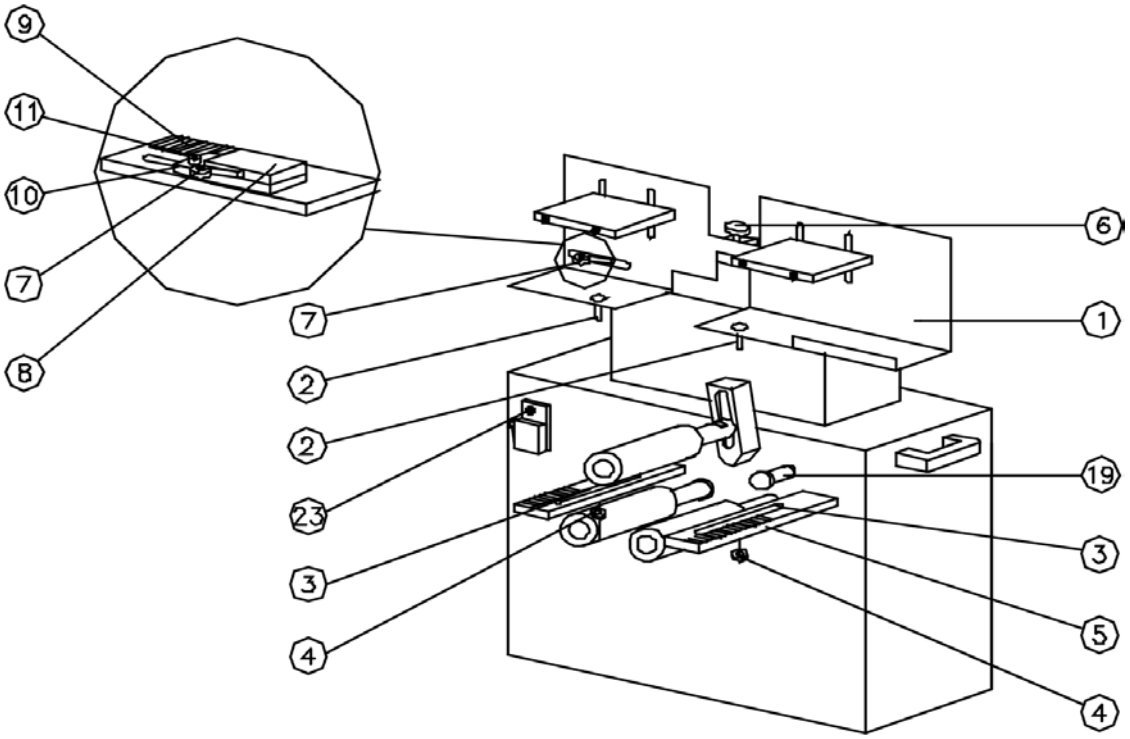


FIG. 10

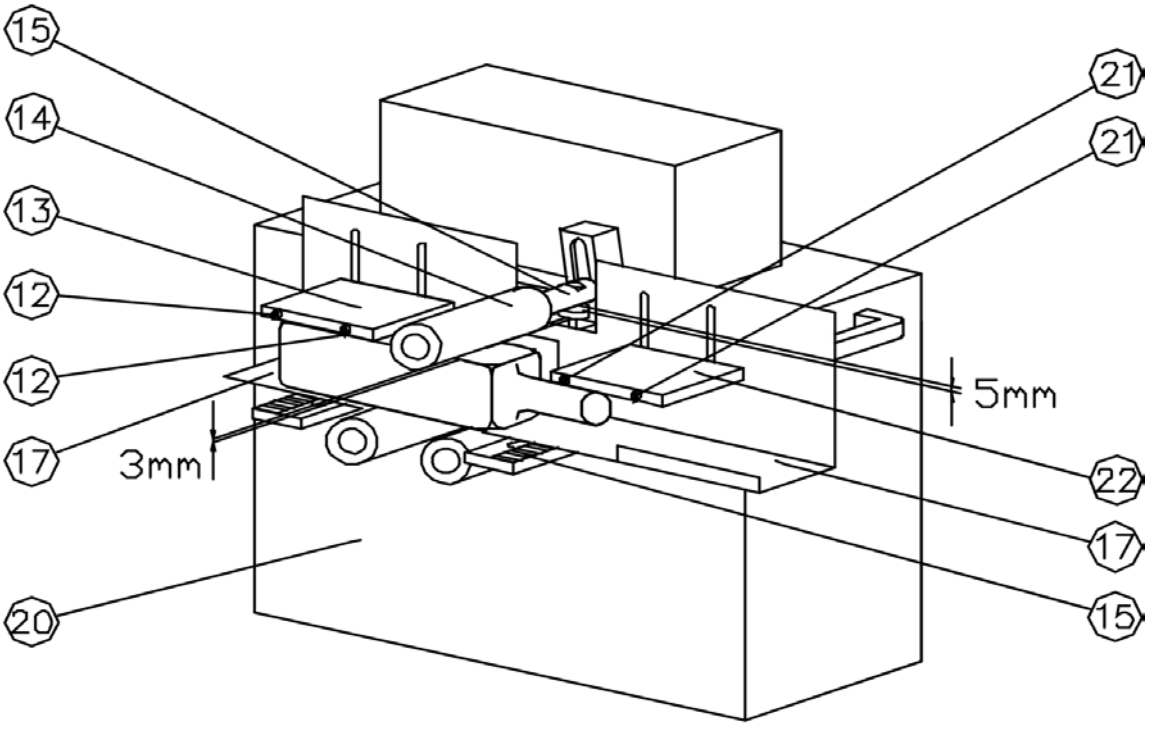


FIG. 11

7.00 LABELLING SQUARE BOTTLES

This machine is capable of applying labels onto square bottles:
This is possible if, at the time of purchase, it has been ordered to package SQUARE BOTTLES as well and is therefore fitted with the appropriate accessories.

The machine fitted for packaging square bottles is equipped at the front, Fig. 10 and Fig. 11, with two brackets 5 to support the square bottle packaging assembly.

The square bottle packaging assembly is mobile and is installed only for this type of packaging.
To package round bottles it should be removed.

Machines fitted for square bottles cannot be equipped with the device listed in section 4 for detecting the reference mark on the bottom of bottles.

7.01 INSTALLING THE SQUARE BOTTLE PACKAGING ASSEMBLY

7.01.1 Positioning the Assembly

To position the assembly proceed as follows:

a) Turn on the main switch located on the left-hand side of the machine.

b) Press the device 19 Fig. 10 by hand: the machine will carry out one cycle and then stop with the roller 14 in its highest position.

c) Turn off the main switch and unplug the machine from the power socket.

d) Loosen screws 11 Fig.2 and move the starting device 19 fully back. Afterwards screw them back on.

e) Loosen pin 15 as instructed in point 3.05.2 and position roller 14 at its highest point.

f) Position the assembly 1 so that the screws 2 enter the slots 3 of the bracket 5. Then screw the nuts 4 into the screws 2 so as to lock the assembly 1 taking care that the assembly is perfectly parallel with face 20 of the machine.

To check this parallelism the metric rules 15 are used.

The outer edge of the table 17 must leave uncovered the same number of lines on both supports.

7.01.2 Adjusting the Assembly

After installing the assembly it is necessary to adjust it.

a) Stand a bottle to be packaged onto the left-hand side of the table 17 of the assembly and after loosening the screws 12, position the bracket 13 on the bottle so that between it and the bottle there is a space of approximately one millimetre, which is enough to permit the bottle to slide freely in this space but with no play.

Repeat this operation for bracket 22 standing the bottle on the right-hand side of table 17.

b) Now position the bottle as shown in Fig. 11, ie. resting on the two rubber rollers. Loosen pin 15 and position the roller 14 at 3 mm from the bottle. Relock pin 15.

c) Adjust the retainer 6 so that the distance between it and the pin 15 is approximately 5 mm and anyhow greater than the distance between the roller 14 and the bottle.

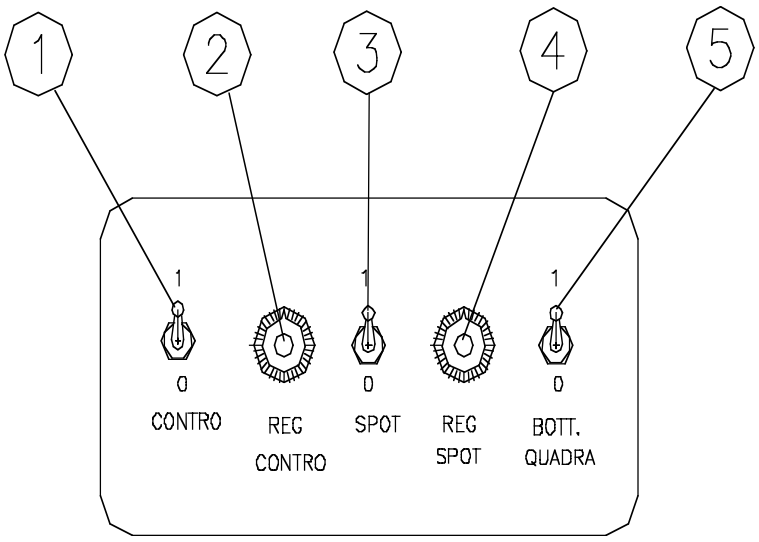


FIG. 12

d) By means of switch 5 Fig. 12, enable the SQUARE BOTTLE function.

e) Adjust the micro 8 by loosening the screw 9 so that the roller 7 protruding from the slot is definitely pressed by the bottle placed in the position shown in the figure. Re-tighten screw 9.

f) Remove the bottle and install the label roller as in point 3.02. Turn on the switch, put in a bottle and make a package.

7.01.3 Adjusting the Packaging

The position of the label on the bottle must be adjusted both in height and with respect to the centre line of the bottle.

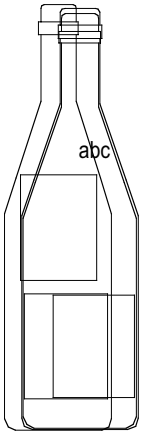
a) If the packaging looks like Fig. 13 it is necessary to loosen nuts 4 and move the assembly 1 towards the face 20 of the machine. Do another packaging and proceed in the same way until the right position has been found.

Note this position with respect to the metric rule 15 for following installations.

b) If the packaging looks like Fig. 14, move the assembly away from the face 20 and proceed as above.

c) If the packaging looks like Fig. 15, in other words the label is too high, loosen the screw 9 and move the micro base 10 to the right by a space equal to the number of millimetres by which you want to lower the position of the label. Repeat this operation until the desired position has been reached.

If the label is too low, move the base to the left and proceed as above.



abc

abc

FIG. 13 FIG. 14 FIG. 15

IF ON THE TAPE, IN ADDITION TO THE FRONT LABEL, THERE IS ALSO THE BACK LABEL, AFTER AFFIXING THE FRONT LABEL THE BOTTLE NEEDS TO BE TURNED THROUGH 180 DEGREES AND PUT BACK IN BETWEEN THE ROLLERS TO AFFIX THE BACK LABEL.

7.01.4 Resetting the machine for round bottles

To reset the machine for round bottles, unplug the machine from the power socket and then:

Loosen the screw 9 which holds the base 10 of the micro 8 and position the micro base on the left upper side of the machine by means of the screw 9.
Loosen the nuts 4 which old the assembly 1.
Move the device 19 into the previous position and disable the SQUARE BOTTLE function by turning the switch 5 Fig. 12.

SECTION 8 - 8.00 ELECTRICAL PANEL BOX

The machine is equipped with a control panel on which the operating controls are located (fig. 16).

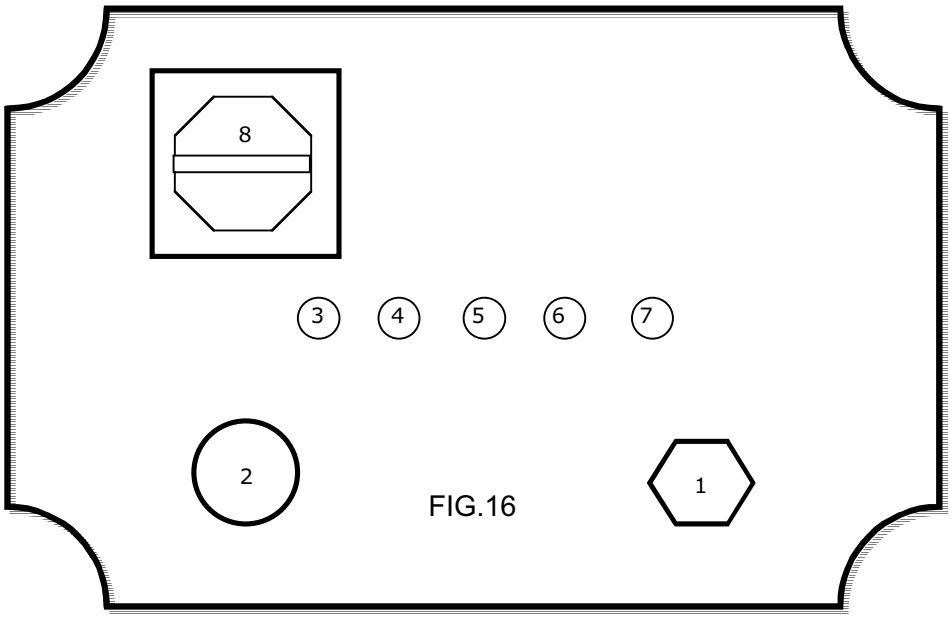


FIG.16

On said control panel are the following controls:

1. network pilot light **(ATTENTION: when it is turned on it means that the electrical current is connected)**;
2. emergency STOP button;
3. back label disabling switch;
4. potentiometer for adjustment of back label position with respect to front label;
5. enabling/disabling switch for photocell or spot detection micro;
6. back label position adjustment potentiometer with spot detection;
7. round/square bottle selector;
8. general switch.

To power up the machine, turn general switch 8 fig. 16 to position 1 (ON); network pilot light 1 will turn on; to disconnect the power supply, press switch 2 and turn general switch 8 to 0 (OFF).
To unlock emergency button 2, it is necessary to turn it clockwise and pull it outwards.

Switch 3 is for enabling (position 1) or disabling (position 0) the labelling function for the back label; for enabling, potentiometer 4 adjusts the position of the back label with respect to the front label (see the relative paragraph).
Switch 5 is for enabling (position 1) or disabling (position 0) the labelling function for the back label if there is the photocell for reference to a front label or a micro for reference to a spot on the bottle; for enabling, potentiometer 6 adjusts the position of the back

label with respect to the front label (see the relative paragraph).

Switch 7 is for selecting the bottle to be labelled: for round bottles place the switch on the position for round bottles (position 1), for square bottles place the switch on the position for square bottles (position 0).

SECTION 9 - LXT001 ACCESSORIES

"FRONT / BACK LABEL" With a roll with front and back labels in sequence, the machine is able to affix and centre both labels in a single pass (cylindrical bottles only).
"SQUARE BOTTLES " With square bottles, each positioning of the bottle in the machine permits affixing a label on one of its faces. This accessory may be removed when working with cylindrical sizes.
Ink stamping with pneumatic movement (3 bar, 50 l). Character size: 3 mm x 3 mm. Printing area 39 mm x 39 mm. Total of 13 characters per line. Max. 4 lines.
High rollers with paper passage up to 190 mm including blade reinforcement and bottle locking roller. Price valid only at time of order.
Side reference mark search unit (not for "demijohns").
Bottom reference mark search unit (not for "demijohns").
Supplement for tapered bottles including bottle locking roller and label outlet blade. Max. taper 1.5°. (Subject to manufacturer approval).
Photoelectric cell for sensing edge of front label, collar or foil with tie reference. Price valid only at time of order.
Photocell to detect spot on sparkling wine or wine foils.
"SEEKA" mod. photocell to read the distance between the paper base and label edge up to 35 mm.
Mechanical micro for reading transparent labels. Note: label thickness must be 0.07 mm min.
Accessory to permit the labelling of bottles up to Ø 35 (minimum), including pressing roller connection and reinforcement for bottle rest rollers.
Supplement for voltages other than the standard one (220V).
Supplement for version with 60 Hz motors.
Wooden crate.
Photocell for reading transparent labels. Note: label thickness must be 0.07 mm min. Any silver or gold printing or raised inscriptions could cause disturbance in photocell reading.

TABLES

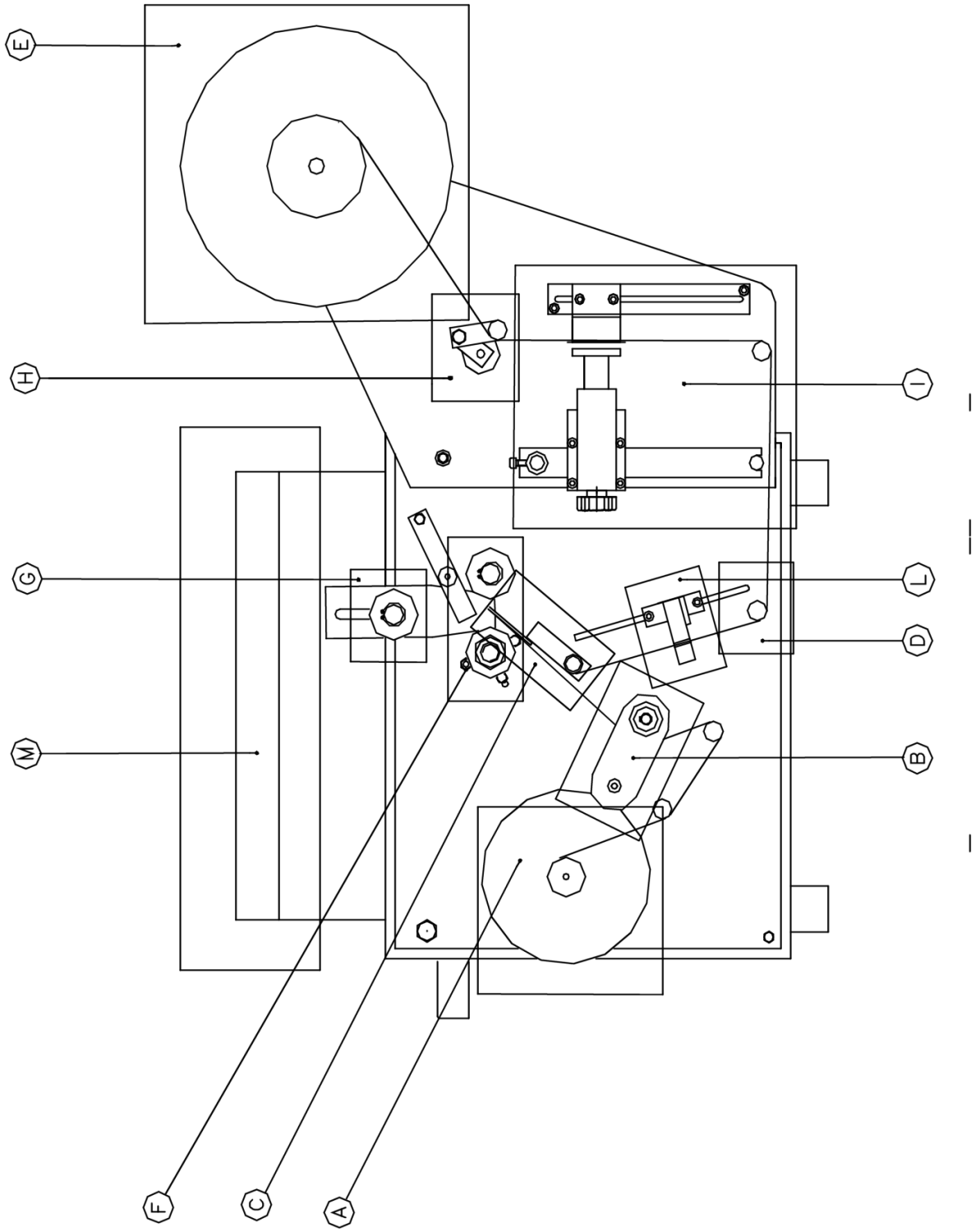
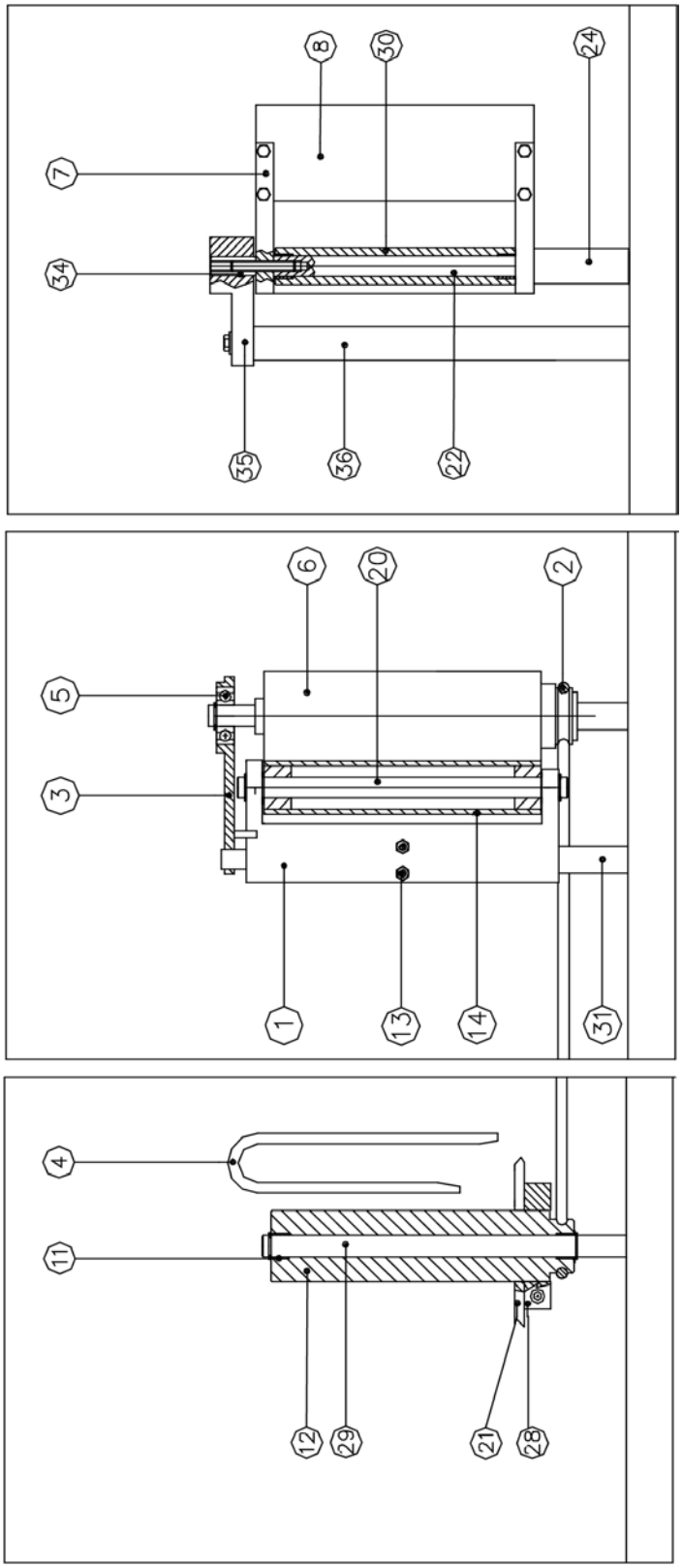
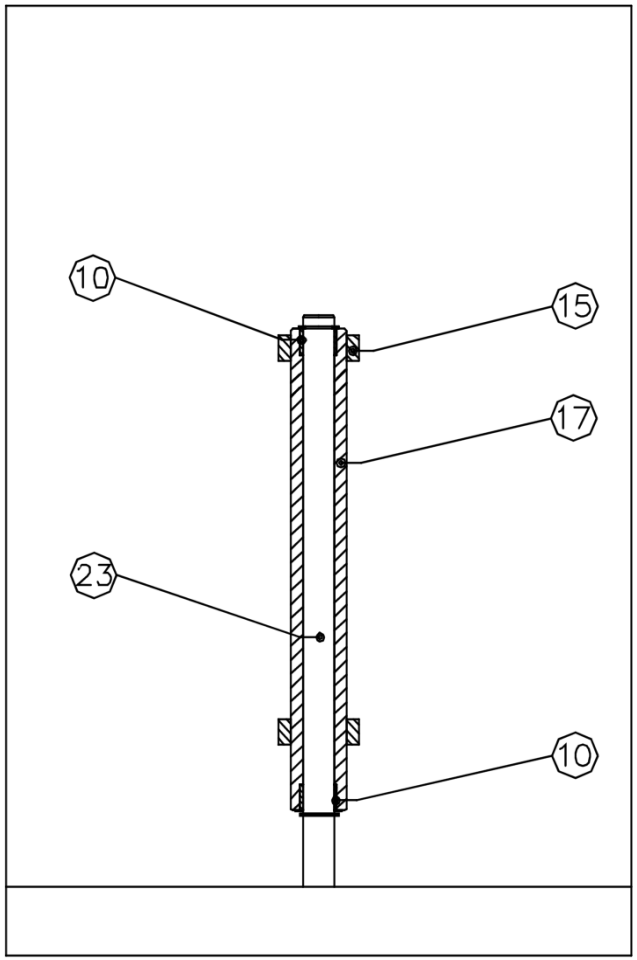
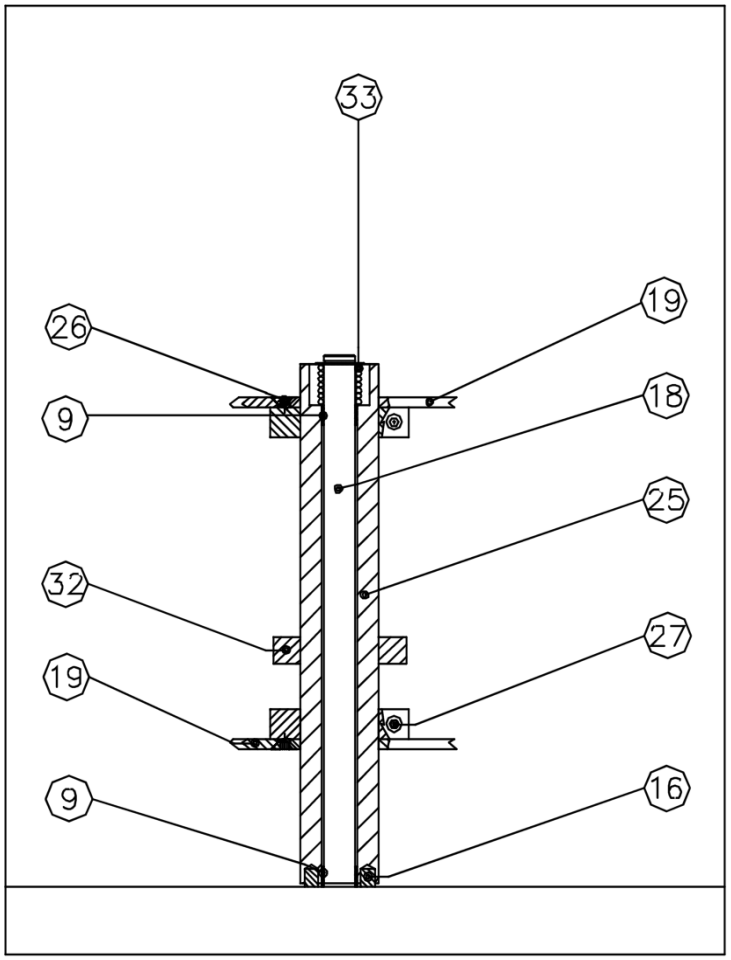


TABLE 1 – ROUND BOTTLES


8
30
24
7
34
35
36
22
6
20
2
5
3
1
13
14
31
4
11
12
29
21
28

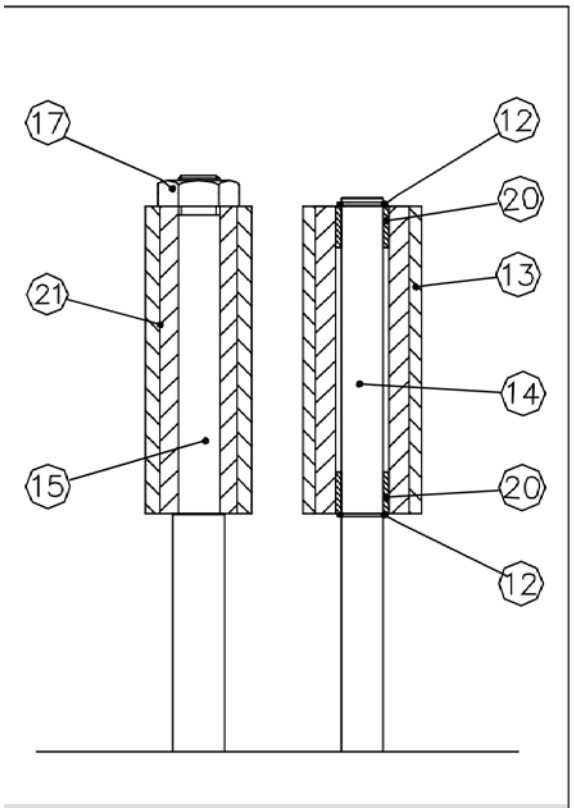
Tav.1 Ref. A-B-C			
Standard rolls		High Rolls	
Pos.	**Code**	**Pos.**	**Code**
1	L0074		L0163
2	C0019		C0019
3	L0075		L0075
4	L0067		L0153
5	C0014		C0014
6	L0062		L0161
7	L0068		L0068
8	L0060		L0151
11	C0017		C0017
12	L0063		L0152
13	TE 4x30		4X30 FE TE
14	L0065		L0154
20	L0066		L0156
21	L0089		L0089A
22	L0069		L0158
24	L0059		L0059
28	L0073		L0073
29	L0055		L0144
30	L0070		L0157
31	L0061		L0146
34	\		L0143
35	\		L0169
36	\		L0150

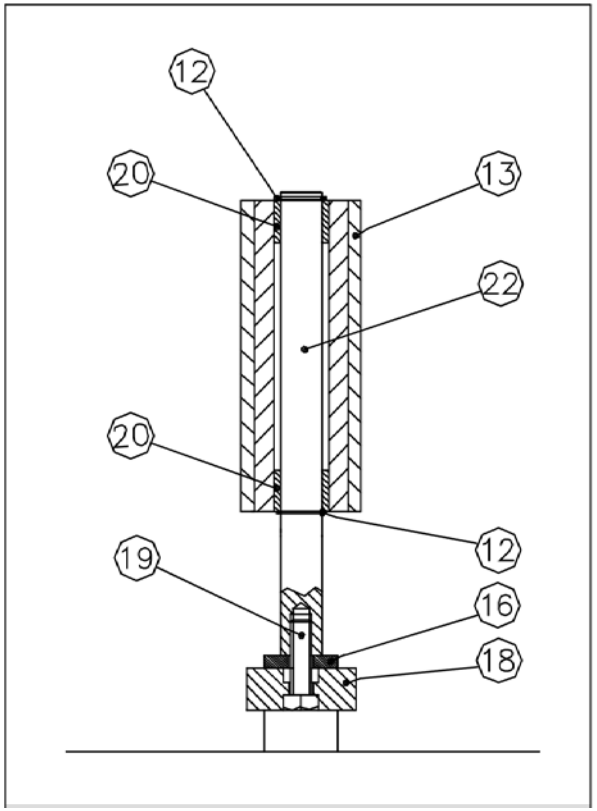


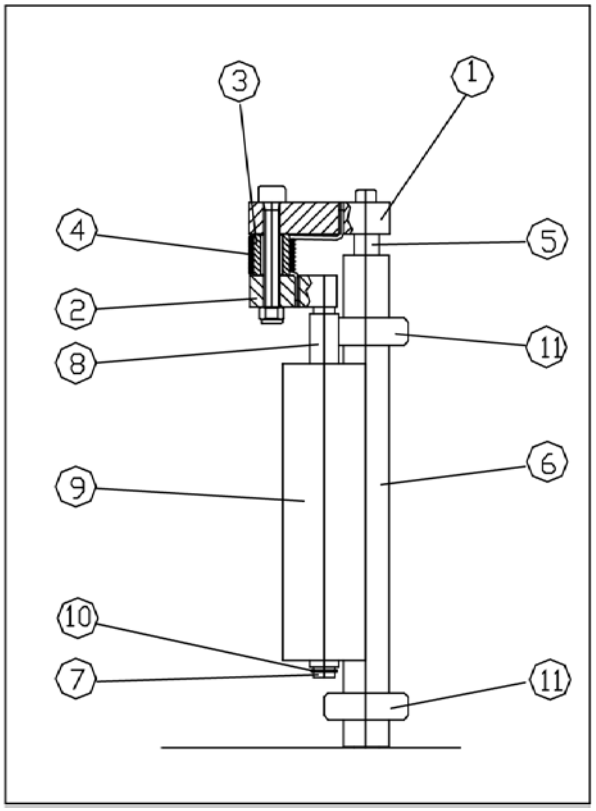


REFERENCES TABLE 1 – ROUND BOTTLES - FROM LEFT D - E

Tav.1 Rif. D-E			
Rulli standard		Rulli alti	
9	C0005		C0005
15	L0072		L0072
16	Freno gomma		Freno gomma
17	L0074		L0159
18	L0054		L0142
19	L0087		L0088
23	L0057		L0143
25	L0056		L0141
26	TS 5x16		5X16 TS FE
27	TCE 6x30		6X30 TCE FE
32	L0073		L0073
33	C0011		C0011

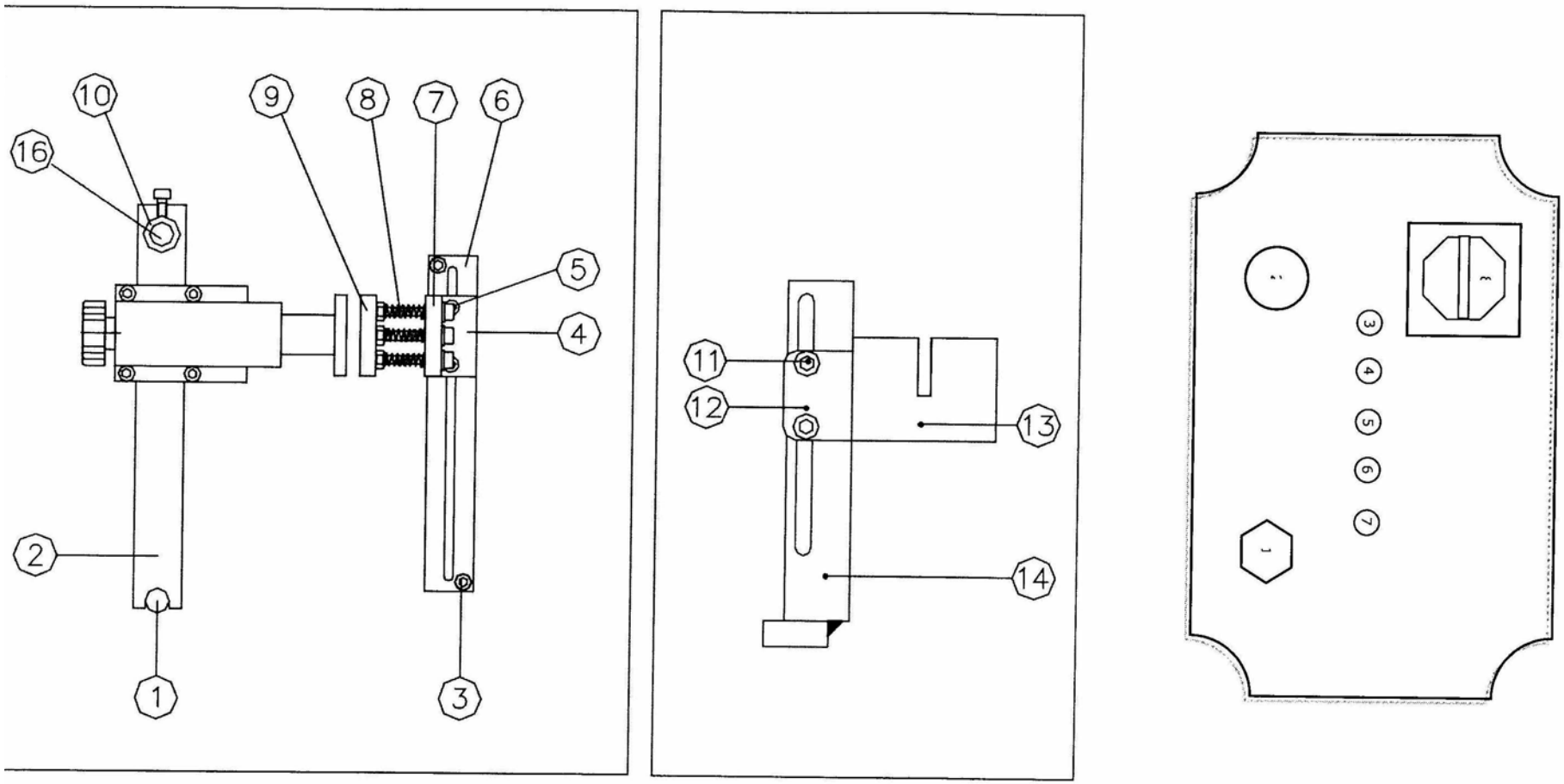






REFERENCES TABEL 1 - ROUND BOTTLES - FROM LEFT F – G - H

Tav.1 Ref. F-G-H			
Standard rolls		High rolls	
1	L0091		L0091
2	L0090		L0090
3	L0092		L0092
4	C0012		C0012
5	L0058		L0143
6	L0064		L0159
7	L0094		L0094
8	L0093		L0093
9	L0086		L0086
10	SEEGER		SEEGER
11	L0072		L0072
12	SEEGER		SEEGER
13	L0051		L0162
14	L0048		L0155
15	L0026		L0145
16	L0050		L0050
17	20 MB		20 MB
18	L0024		L0024
19	TE M10X30		TE M10X30
20	C0015		C0015
21	L0052		L0160
22	L0049		L0147



REFERENCES TABLE 1 - COMMON PARTS - FROM LEFT I – L - M

Tav.1 Ref. I-L-M	
Standard rolls	
Pos.	**Code**
1	L0096
2	L0097
3	TCE 6X15
4	L0098
5	TCE 6X20
6	L0099
7	L0100
8	C0010A
9	L0101
10	L0102
11	TCE 6X15
12	L0071
13	C0018
14	L0046
15	L0079
16	L0096
17	C0000D
18	C0000C
19	C0000B

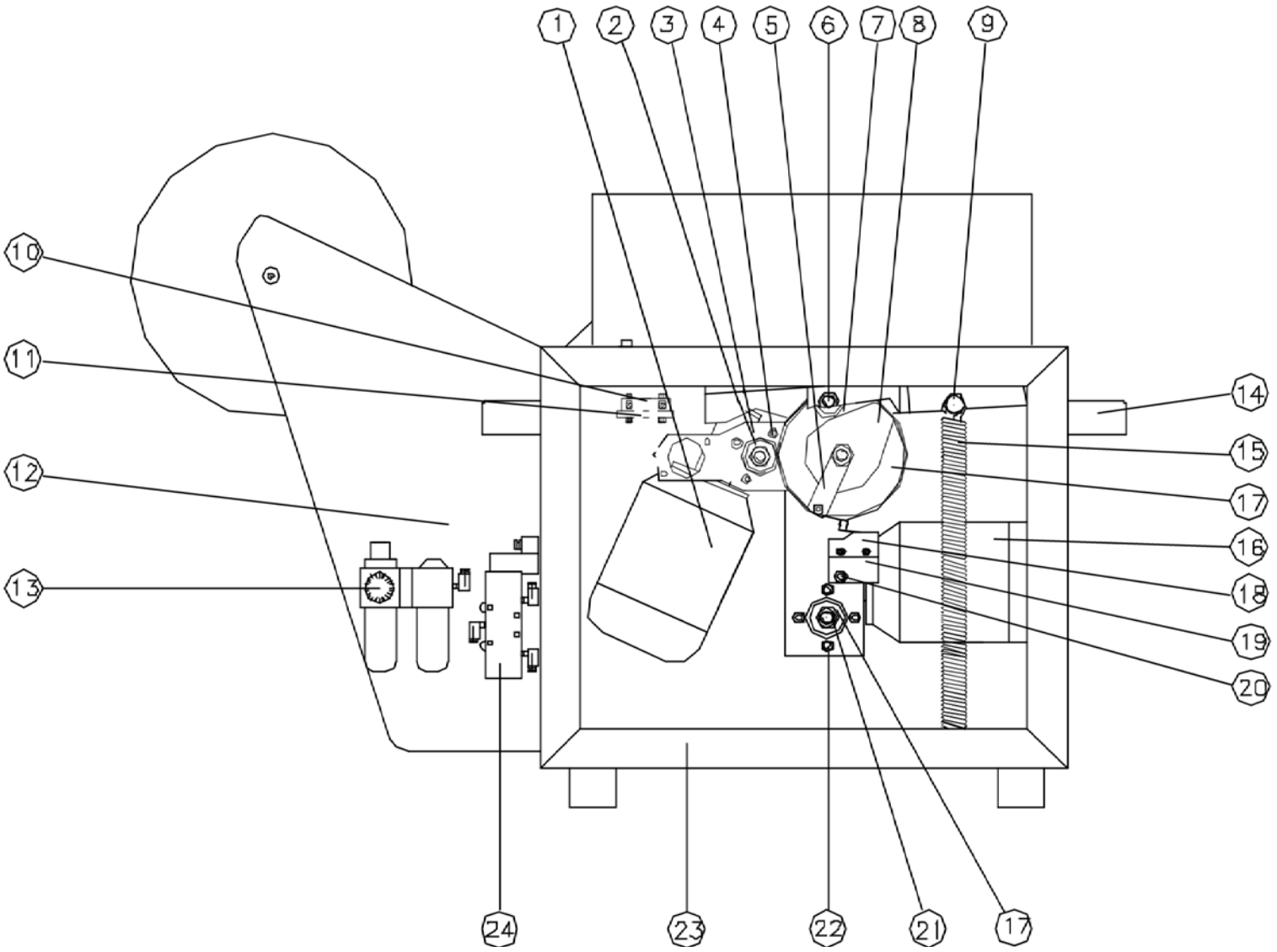


TABLE 2 – ROUND BOTTLES

Tav.2 BACK VIEW	
Round bottles	
Pos.	**Code**
1	C0007
2	L0034
3	L0022
4	TCE 6X15
5	L0032
6	TE 12X30
7	C0003
8	L0036
9	TE 8X25
10	C0006
11	L0043
12	\
13	C0103
14	C0020
15	C0009
16	C0007 + L0038
17	L0033
18	C0006
19	L0040
20	TE 6X15
21	M 14
22	TE 6X20
23	\
24	C0104

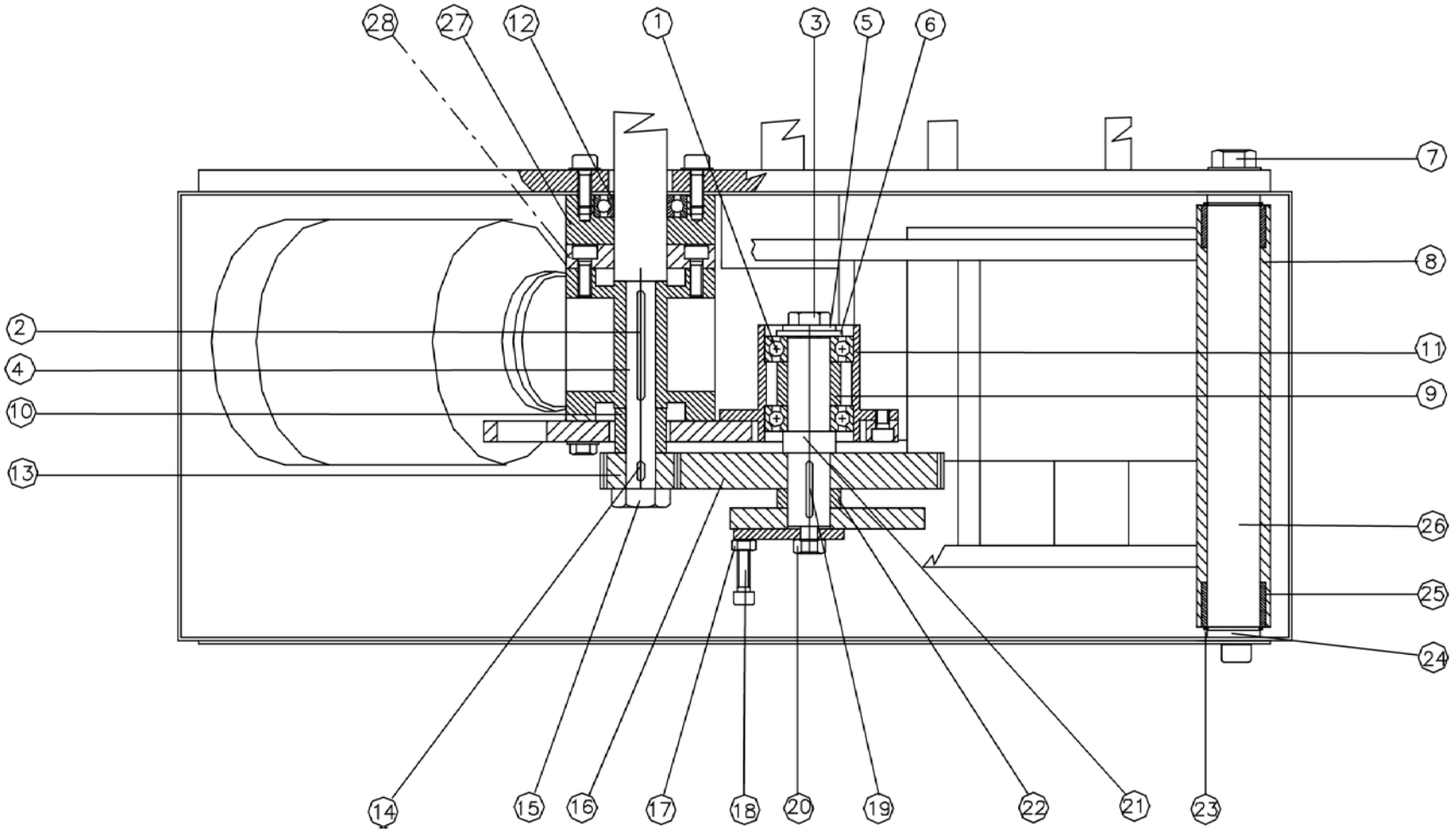
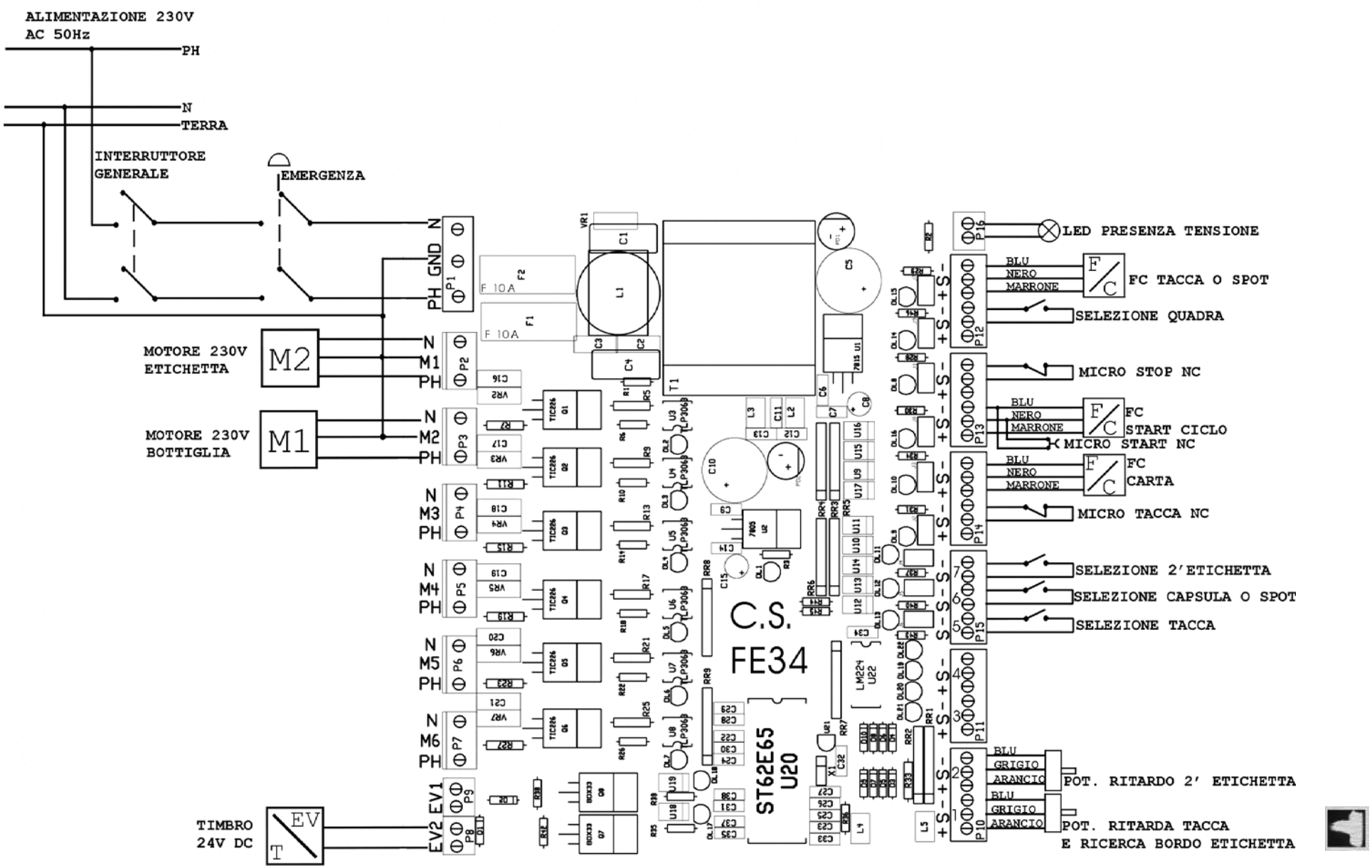


TABLE 3 – ROUND BOTTLES

Tav.3 VIEW FROM ABOVE	
Round bottles	
Pos.	**Code**
1	C0001
2	CHIAV 5X25
3	TE 10X20
4	L0026
5	D. 10X21X2
6	D. 12X36X3
7	TE 12X2
8	L0023
9	L0031
10	L0029
11	L0039
12	C0002
13	L0034
14	CHIAV 5X15
15	M 14
16	L0033
17	M 6
18	TCE 6X25
19	CHIAV 6X40
20	TE 10X20
21	L0027
22	L0030
23	SEEGER
24	L0021
25	C0016
26	L0025
27	L0037


ALIMENTAZIONE 230V
AC 50Hz
PH
N
TERRA
INTERRUTTORE
GENERALE
EMERGENZA
MOTORE 230V
ETICHETTA
M2
MOTORE 230V
BOTTIGLIA
M1
TIMBRO
24V DC
EV
T
C.S.
FE34
ST62E65
U20
LED PRESENZA TENSIONE
FC TACCA O SPOT
BLU
NERO
MARRONE
SELEZIONE QUADRA
MICRO STOP NC
FC
START CICLO
MICRO START NC
FC
CARTA
MICRO TACCA NC
SELEZIONE 2'ETICHETTA
SELEZIONE CAPSULA O SPOT
SELEZIONE TACCA
GRIGIO
ARANCIO
POT. RITARDO 2' ETICHETTA
POT. RITARDA TACCA
E RICERCA BORDO ETICHETTA

NOTES