

Flexlabeller®
Etichettatrici



Model PE-ET

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THESE OPERATING INSTRUCTIONS MUST BE READ, MEMORIZED AND KEPT THROUGHOUT
THE ENTIRE LIFE CYCLE OF THE MACHINE

WARRANTY

FleXlabeller PE-E is guaranteed for 24 MONTHS.

The warranty period runs from the date on which the machine is delivered to the user. "Delivery" means both sale of the product and any other method of supply to the user (goods sent for evaluation, testing, etc.).

Repairs covered by the warranty must only be performed by the manufacturer or by authorized personnel.

Complaints must be presented in writing within 8 (eight) days from receipt of the machine.

The warranty solely covers the repair or replacement, free of charge, of those parts recognized as being defective (with the exclusion of electrical parts) after careful examination by the Manufacturer.

Replacement or repairing of parts covered by the warranty will in no case extend the warranty terms.

The purchaser may only assert his warranty rights when he has complied with the conditions concerning services provided under guarantee, as indicated in the supply contract.

The warranty becomes null and void in the case of:

- Damage caused by failure to comply with the operating instructions and/or partial or superficial consultation of the information in this manual.
- The purchaser's failure to exhibit the filled-out warranty certificate and sales invoice or sales receipt to the manufacturer or authorized personnel.
- Repairs or replacements of parts subject to normal wear and repairing of damage caused by overloading with products.
- Failure to comply with the instructions in this manual.
- Insufficient maintenance.
- Operator errors.
- Damage caused by force majeure or unforeseeable circumstances not ascribable to the manufacturer.
- Repairs performed by the user without the Manufacturer's authorization or if the machine is modified owing to use of spurious spares and the damage is caused by these modifications.
- Damage deriving from negligence, carelessness, misuse or improper use of the machine.

Removal of the safety devices with which the machine is equipped will automatically void the warranty and the Manufacturer's liability.

When covered by the warranty, the returned machine or parts of it must be shipped Carriage Free.

PICTOGRAMS AND THEIR MEANINGS

The following symbols are used in this manual to warn the operator of dangers or possible faults.



Danger. Moving machinery.



Read the instruction manual carefully.



Danger. Pay special attention to the following information.



Danger. Electric current

It is strictly forbidden to remove or change the warning signs affixed to the labelling machine. Such action will immediately and totally void the warranty. Ask for worn warning signs to be replaced.

IDENTIFICATION

Each machine has an identification plate with the following information:

- Manufacturer's details
- "CE" marking
- Model
- Type
- Serial No.
- Weight
- Year of manufacture.

Manufacturer Stellin s.r.l. Orgiano (VI) Italy	
Name of product FleXlabeller	Model PE-E
Type Semiautomatic	Year XXXX
Serial No. XXXX	Voltage 220/24 V
Frequency 50/60 Hz	CE

The machine is supplied with:

- Operating and maintenance instructions;
- Manufacturer's "CE" declaration of conformity;
- Set of wrenches;
- 2 spare elastics

BRIEF DESCRIPTION OF THE MACHINE

The Flexlabeller PE-A table-mounted labelling machine has been designed to apply adhesive labels to various cylindrical containers.

The labelling machine is generally used for labelling in agricultural contexts and the wine industry, in accordance with the technical specifications supplied.

The machine must not be used in the presence of corrosive substances, acids, solvents or any other corrosive or inflammable product.

TECHNICAL SPECIFICATIONS	
---------------------------------	--

Construction material	Polyethylene type PE500/ AISI304 stainless steel
Width	440 mm
Length	670 mm
Height	280 mm
Weight	20 kg
Roller coating	Rubber
Screws and bolts	Galvanized steel/Stainless steel
Hourly production rate	Approx. 600 containers
Power supply	230 V/ 50 Hz
Noise level	55.1 Db
Geared motor	
Speed of rotation	1380 rpm
Power rating	0.09 kW
Reduction ratio	1:60
Type of reducer	Worm gear reducer

LIMITS TO USE AND SAFETY REGULATIONS

The operator must use the machine in accordance with the instructions in this manual, the accident prevention regulations in force, the conditions of use and technical characteristics of the machine itself.

The machine must not be used unless its safety devices are installed, connected and properly adjusted.

The user must provide training for the personnel about the risks deriving from accidents, about the devices installed for operator safety and about the general accident-prevention rules established by the directives and by the laws in force in the country where the machine is used.

Operator safety is one of a machine manufacturer's prime concerns.

When a new machine is created, manufacturers try to envisage every possible danger situation and, naturally, to provide the appropriate protections.

However, the number of accidents caused by careless and clumsy use of machines is still very high.

Lack of attention, irresponsibility and overconfidence are often the cause of accidents, as are tiredness and drowsiness.

It is obligatory to read this manual very carefully, especially the safety regulations.

Failure to comply with the indications in this Section – Safety and tampering with the safety devices will relieve the Manufacturer from all liability for ensuing damage or faulty operation of the machine.

General recommendations:

- The user must take all the necessary measures to prevent unauthorized persons from accessing the machine.
- The user also undertakes to ensure that everyone who uses the machine is fully familiar with the operating instructions and safety regulations in force.
- The user must inform the Manufacturer of all defects or faults in the accident-prevention systems, as well as all presumed danger situations.
- The personnel must not, on their own initiative, perform operations or interventions that are not of their competence.
- The personnel are obliged to inform those concerned about all problems or dangerous situations that may occur.
- The machine has been built in accordance with the current state of the art and functions safely if used correctly.
- The machine must only be used for the purpose for which it has been designed.
- It is absolutely forbidden to operate the machine or have it operated by persons who have not read and understood the instructions in this manual or by persons who are inexperienced or not in good conditions of health.
- Pay attention to the danger signs in this manual and affixed to the machine itself.

Flexlabeller.it

- Before starting the machine, always make sure that all its safety devices are in perfect conditions.
- Become familiar with the controls and their functions before beginning work.
- The area in which the machine is used must be considered a <DANGER ZONE>, especially for persons who have not been trained to use the machine itself. Always check to make sure that there are no obstructions of any kind in the vicinity before starting the machine.
- When the machine is operating, the operator must be in position at the control station so that he is able to monitor the entire machine and act at any moment and whenever needed.
- It is absolutely forbidden to near one's body to moving mechanical components when the machine is operating.
- It is absolutely forbidden to remove or tamper with the safety devices.
- Periodically check to make sure that the overall machine and the protection devices are in perfect conditions.
- Do not perform maintenance or cleaning work unless the machine has been switched off.
- If the casings are removed, make sure that they have been fitted back in place correctly before using the machine again.
- Maintenance work must be strictly performed as described in this manual. Damaged or worn parts must be replaced by specialized personnel.
- The spare parts must conform to the requirements established by the manufacturer.

Only use original spare parts.

The machine has been designed and built in accordance with all the pertinent safety regulations for the protection of those who work with it.

Despite this, further residual risks may still be present, i.e. those risks that cannot be completely eliminated owing to the peculiarity of the processes and to certain conditions of use.

These potential hazards are indicated on the machine by warning decals (pictograms), which use symbols to warn of unsafe or dangerous situations.

Keep the pictograms clean and replace them immediately if they partially detach or are damaged.

- **Wear appropriate clothing. Do not wear neckties, necklaces, wide or loose clothing: they could become caught up in moving parts. Long hair must be tied back.**

GENERAL RECOMMENDATIONS

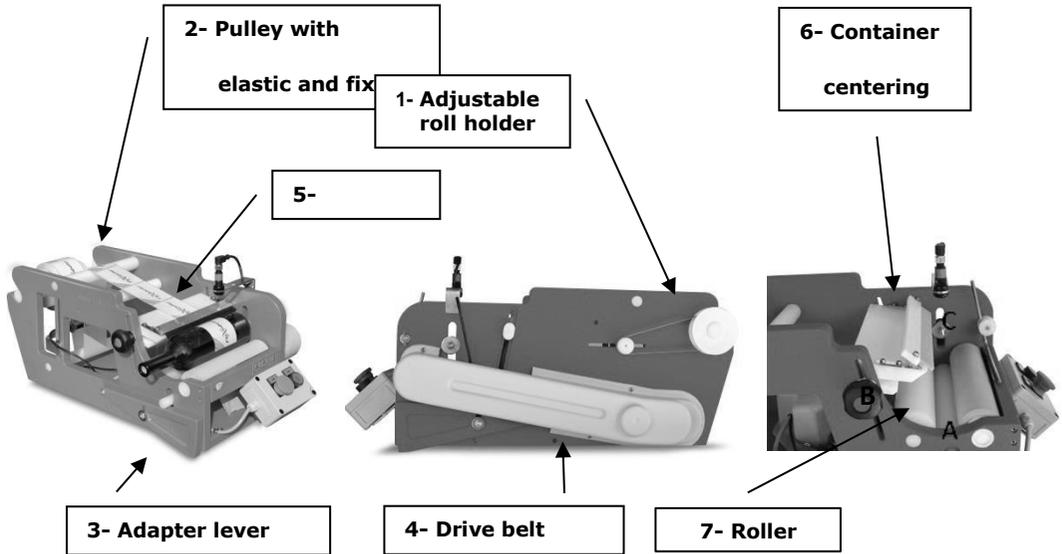
The user must undertake to ensure that the personnel is provided with appropriate personal protective equipment (gloves, safety footwear, hard hat, etc.) and with the correct tools and equipment before unloading, lifting and handling the machine.

The machine can be carried by one single person, who must hold it with both hands as shown in the figure, and wear suitable safety footwear.

Before moving the machine, make sure that it has been disconnected from the electric power source.

The loading base on which the machine is to be positioned must be perfectly flat so as to prevent the load from shifting in any way.

DESCRIPTION OF THE MAIN COMPONENTS



1- ADJUSTABLE ROLL HOLDER: equipped with two cones, easily adapts to different roll sizes.

2- PULLEY WITH ELASTIC AND FIXED CENTER: keeps the roll holder taut and prevents it from rewinding or returning.

3- ADAPTER LEVER: when placed on a smooth and perfectly horizontal surface, it raises the bearing roller so as to grip the roll of labels between the rollers and allow it to advance.

4- DRIVE BELT: transmits movement from the reduction unit to the drive roller

5- TIGHTENER: adjusted in the upward or downward directions, the tightener allows Flexlabeller PE-A to adapt to different containers (within the limits given in the "Container specifications" section).

6- CONTAINER CENTERING ADJUSTER : regulated on a level with the center of the bottom of a container, this adjuster allows all containers of the same size to be easily centered.

7- ROLLER UNIT comprising:

- A - pinch roller
- B - bearing roller
- C - transmission roller

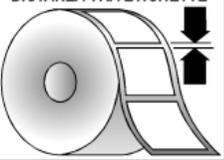
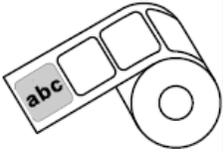
CONTAINER SPECIFICATIONS

Flexlabeller PE-A can apply labels to containers with the following specifications:

Shape:	cylindrical
Material:	glass, plastic, tinplate, rigid
Labelling area:	smooth
Minimum diameter:	50 mm
Maximum diameter:	120 mm

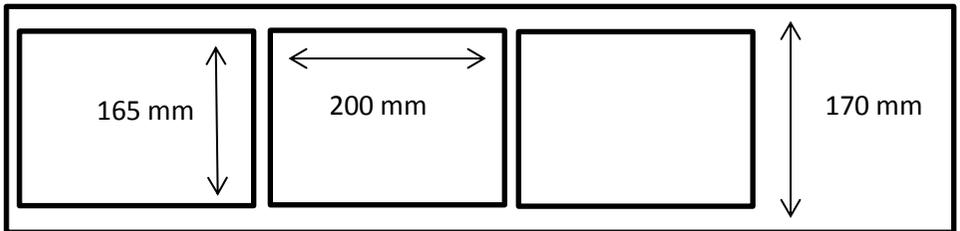
SPECIFICATIONS OF LABELS AND ROLLS

These data refer to standard rolls with an internal diameter of \varnothing 76 mm

Roll dimensions			Outfeed direction
DIAMETRO ESTERNO BOBINA 	DISTANZA TRA ETICHETTE 	DIAMETRO ANIMA BOBINA 	
200 mm	5/10 mm	50/90 mm	



Max weight of roll 3 kg



BEFORE USE

The labelling machine must be positioned on a perfectly horizontal, preferably non-slip work top about 80 cm in height. Make sure that the worktop is able to bear the weight of the machine.

The Flexlabeller PE-A labelling machine must be kept in places where there is no fire risk, well away from heat sources and inflammable fluids or solids.

No particular skills are required to position and assemble the machine but the personnel must be familiar with, and strictly conform to the regulations and instructions in this Manual.

Broken or damaged parts must be repaired or replaced by persons authorized by STELLIN snc.

Repairs to the labelling machine performed by persons unauthorized by STELLIN snc not only voids the warranty, but makes the machine unsafe and potentially dangerous.

The electrical connections must conform to the local regulations and be made by qualified personnel.

Always disconnect the labelling machine from the electricity main when not in use, when it is cleaned

and if the electric cable is damaged.



DO NOT CLEAN WITH JETS OF WATER

The machine must be connected to the electricity main by competent personnel after having checked to make sure that the electricity main specifications conform to those given on the data plate of the geared motor.

After having connected the machine to the electricity main, make sure that all the safety devices are connected.

Make sure that all parts of the machine and all its protections have been assembled properly.

The machine must not be allowed to operate with its safety devices removed, disconnected, not adjusted, intentionally bypassed or inefficient, as this would lead to risks of an electrical and mechanical nature.

Always make sure that all data plates with instructions and recommendations for safe use are affixed to the machine before setting this at work, in any case before starting (the pictograms and their meanings are described in the "pictograms and their meanings" section of this manual).

Do not use an excessively long cable to connect the machine since the voltage drop could cause faulty operation.

Parts found to be broken or damaged when the packaging is opened must be repaired or replaced by persons authorized by STELLIN srl.

Operate the two knobs so that the center of the belt coincides with the tangent of the container.

Perform the following operations in order to set the machine at work:

Make sure that the electric panel has been closed and fastened with the appropriate screws

Make sure that the power line is activated in the electric panel



WARNING!

DISCONNECT THE ELECTRIC POWER SUPPLY BY MEANS OF THE ON/OFF SWITCH OR BY DISCONNECTING THE POWER OUTLET BEFORE PERFORMING ANY WORK ON THE LABELLING MACHINE.

Remove the pulley elastic (take care not to pull or extended it too much or it could hit objects and/or persons).

Using the supplied allen wrench, loosen the plugs from the cones and then remove the rh cone.

Insert the roll of labels and tighten the plugs.

Insert the roll so that the label on the bottle is already at the required height.

IMPORTANT: tighten the nuts lightly, otherwise the roll holder could be damaged.

Fit the roll holder back in position on the labelling machine and fit the pulley elastic back in place.

Remove the brush from the tension roller with the supplied allen wrench to make the roll easier to assemble

and move the photocell on the lh side by loosening the wing screws under the tension roller.

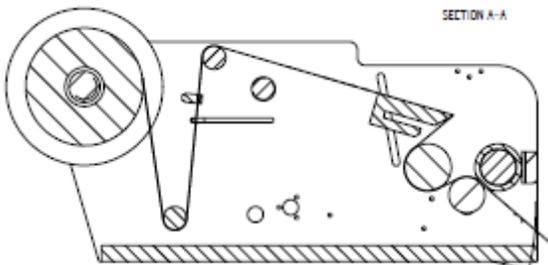
FIRST START-UP

Insert the container to be labelled fully against the bottom plate and pointing towards the center adjuster. Set the center adjuster in the correct position.

Operate the two knobs so that the center of the belt coincides with the tangent of the container.

Use the locking handles to adjust the label tape tension roller to the correct height in relation to the diameter of the container and leave a space of a few millimeters. The tension roller must slant slightly downwards.

Insert the label tape between the rollers, as shown in the photo and drawing alongside.



The pressure of the rollers can be slackened and the position of the label tape adjusted by raising the labelling machine by the front bar.

Power the machine

The sensitivity of the photocell will have already been calibrated when the machine was tested and will not normally require further adjustment.

If the roll of labels is new and the labels are preceded by a length of empty tape, keep the green button depressed to move the tape along until the label can be detected by the photocell. Once this has been done, the tape will automatically move forward until the next label is reached whenever the green button is pressed.

The machine will function correctly when the label is positioned on a level with the tension roller. This is achieved by adjusting the position of the photocell which, being installed on a movable support, can be moved in both directions and fixed in the correct point with the relative screw.

The tension roller has three slots for adjustment purposes. The tension roller has three slots for adjustment purposes.

Before beginning the labelling operations, check the distance between the label tape and the right wall of the labelling machine using the supplied rule. It must be the same size along the entire length of the machine.

Move the elastic stretcher knob forwards or backwards to slacken or tighten the label tape.



OPERATION

- Fit the brush back on the tension roller.
- Make sure that the mushroom-shaped emergency button is disengaged.
- Operate the machine switch on the electric panel.
- Place the container in its housing by inserting it sideways as shown in the photo..
- Press the green "START" button.
- Remove the labelled container from the side and insert the next one.

Disconnect the electric panel from the power source when work has terminated.

MAINTENANCE AND CLEANING

To ensure that the machine continues to function correctly, periodically check the condition of the pulley elastic and replace it with another with the same characteristics if it is worn.
Use a clean cloth for routine cleaning: do not use corrosive or abrasive liquid detergents.

If the container breaks or spills, stop the machine immediately and disconnect it from the power source. Now clean and dry the machine.

SPARE PARTS

Contact the Manufacturer or the manufacturer's representative if spare parts are required.
Broken or damaged parts must be repaired or replaced by persons authorized by STELLIN snc.
Repairs to the labelling machine performed by persons unauthorized by STELLIN snc not only voids the warranty, but makes the machine unsafe and potentially dangerous.

Spare parts available:

Geared motor

Photocell

Timing belt

Bearings

Faults, causes and remedies

The machine fails to start:

Make sure that the power socket is connected to the electricity main.

Check that the button on the upper part of the panel is in the ON position

STORAGE DURING IDLE PERIODS

Proceed as described below if the machine is to remain idle for a long period of time:

Make sure that the machine is perfectly clean.

Thoroughly check the machine and replace any damaged and/or worn parts.

Cover the machine with a cloth.

Check to make sure that all the movements of the machine function efficiently a few days before it is required for production again.

If these operations are performed with care it will be all to the advantage of the user, who will be sure to find the machine in excellent conditions whenever it is required.

DISPOSAL

Comply with the anti-pollution laws in force if the machine is dismantled.

The machine must be de-activated at the end of its technical and operating life cycle.

When the machine can no longer be used for the purpose for which it was once designed, it must be disposed of in such a way that its materials can be recycled.

DECLARATION OF CONFORMITY 

The undersigned company STELLIN snc, as producer, declares on his responsibility that the product:

NAME: Semiautomatic labelling machine

TYPE: Flexlabeller

MODEL: PE-E

SERIAL NUMBER: _____

YEAR OF PRODUCTION: 2017

Is in conformity with the provisions of the following EC directives:

Directive 2006/42/CE and subsequent amendments and additions (Machinery Directive);

Directive 2004/108 CE (Directive EMC)

Directive 2006/95/CE (Directive low voltage)

And that have been applied the following standards:

UNI EN 12100

UNI EN13857

UNI EN 349 + A1

CEI EN 60204-1

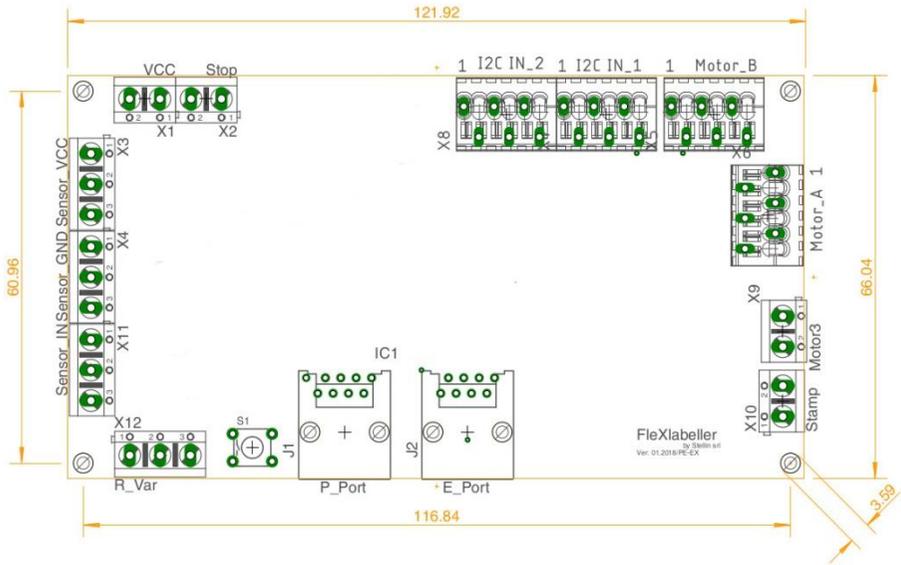
CEI EN 50081-1

CEI EN 50082-1

ORGIANO, the _____

The legal representative
Guardian and keeper of the F.T.
Moreno Stellin

PCB CONNECTIONS



CONNETTORE	PIN	DESCRIZIONE
Sensor VCC	1	Brown wire, sensor paper detection
	2	Brown wire, sensor bottle detection
	3	
Sensor GND	1	Blue wire, sensor paper detection
	2	Blue wire, sensor bottler detection
	3	
Sensor IN	1	Black wire, sensor paper detection
	2	Black wire, sensor bottle detection
	3	

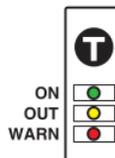
REGOLAZIONE SENSIBILITÀ FOTOCELLULA ETICHETTE

Standard function

During operation the sensor is always in this function. The sensor detects label gaps with high precision and speed. This is indicated by the yellow LED and the switching output.

Indicators:

ON LED - green	Constantly ON when operating voltage is applied.
OUT LED - yellow	Indicates the switching signal. LED is ON if the sensor detects label gaps. The display is independent of the output setting.
WARN LED - red	Is OFF if operation is error-free. If the "Control limit reached" message appears or if the last teach event was faulty, the red LED illuminates.



Operation:

The teach button must be pressed for at least 2 seconds to operate the device. The button can be electrically disabled to prevent accidental operation.

Sensor adjustment (teach-in) via teach button

For optimum adaptation to various labels, the forked photoelectric sensor features two different sensitivities. The **standard sensitivity** (2 ... 7s) functions with very many labels and is **always the first choice**.

Only in the event of faulty switching on the label, e.g., with slightly **transparent (translucent)** or strongly **inhomogeneous** label materials, is teaching on level 2 "**Sensitive**" (7 ... 12s) recommended.

The teach-in can always be performed **dynamically while label tape is passing through** or, **if the label tape cannot be transported, statically**.

Preparation for dynamic teach-in:

Insert label tape into the sensor.

Preparation for static teach-in:

Remove one or more labels from the base material and advance this blank area into the sensor.

- Press the teach button until green and yellow LEDs flash simultaneously.
- Release teach button.
- During the teach event, the switching output is frozen in the most recently valid state prior to teaching.
- **Dynamic teach-in:**
Advance the label tape at a maximum speed of 20m/min through the sensor so that at least 3 ... 7 labels pass through the sensor.
- **Static teach-in:**
Blank area remains at the same position in the sensor.
- Press the button briefly once more to terminate the teach event, the sensor goes into standard mode.

If the teach event is faulty (e.g. transmission with insufficiently thick base material), the red LED illuminates, the green and yellow LEDs flash rapidly and the warning output is activated. For error acknowledgment, briefly press the teach button and repeat the teach event. If the error cannot be rectified, the label material cannot be detected with the (I)GS 63B.

SENSITIVITY ADJUSTMENT PHOTOCCELL PRESENCE BOTTLE

Operation via teach button

Teach in operating level 1

- Press teach button until the **yellow** LED flashes.
- Release teach button.
- Ready.





STELLIN s.n.c. declines all liability for damages to persons, domestic animals or things deriving from reuse of individual parts of the machine for functions or situations

Thank you for choosing FleXlabeller



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