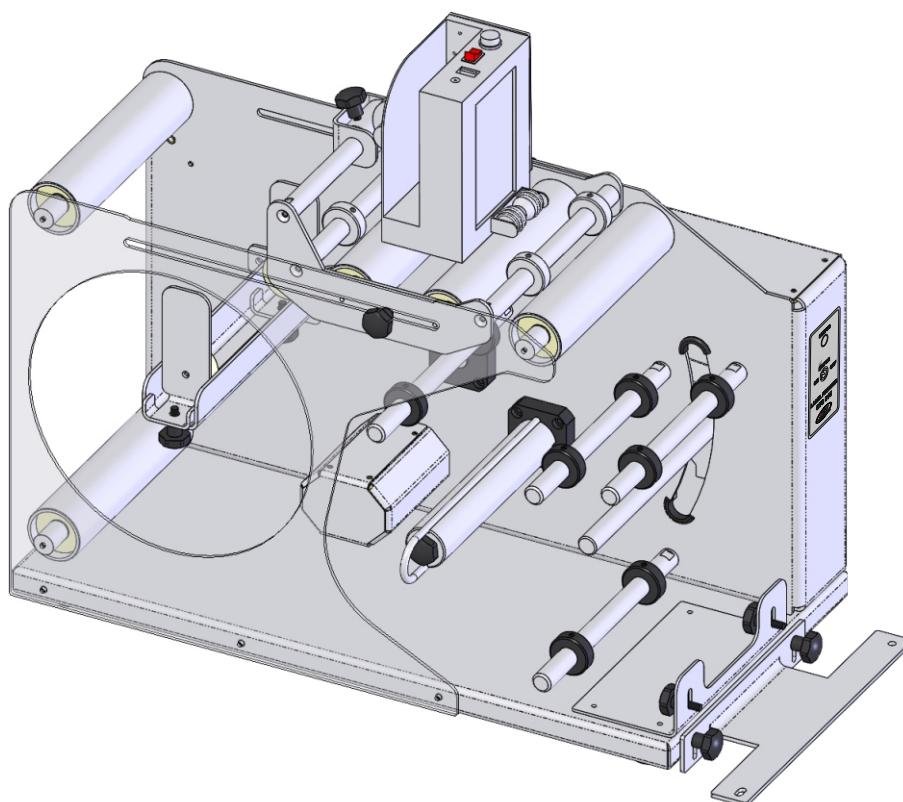


Machine for marking labels before labeling STS815

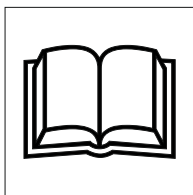


Operating manual
/original instruction/

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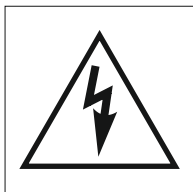
In the present Operation Manual have been used the following pictograms.



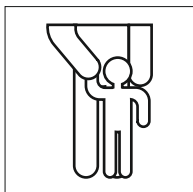
Read the Operation Manual!



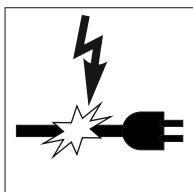
Follow safety warnings and instructions!



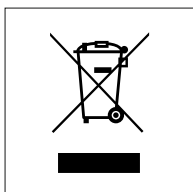
Protect yourself from electric shock. Danger to life!



Keep the children away from the machine!

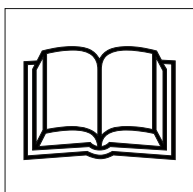


Risk of life from electric shock when a power cord or plug is damaged!



Dispose the packaging and the appliance in accordance with environmental regulations!

1. Introduction



Before starting the machine for the first time, get acquainted with the functions of the machine and be informed about the correct operation with electrical appliances. In this connection, read the following operating instructions. Follow the instructions in the manual. When handing over the machine to third parties, hand over and all the documentation.

Proper usage

The machine is designed for marking self-adhesive labels / manufacture date, expiration date, logo, etc./, before labeling them on vessels with a label applicator. It is designed to work with machines STS808 / for cylindrical vessels / and STS810 / for flat vessels /. Labels should be on one roll on the conveyor.

The labels are marked with an inkjet printer before the tape is fed to the label applicator. The waste conveyor belt from the applicator is rolled into machine which helps to labeling of highly electrostatic labels. The synchronization of the machines is done by a signal cable from the label applicator. The printer is set up according to its operating manual.

The process is visualized on the manufacturer's website -<http://stsmachines.eu>.

Any other use is considered unlawful and generates significant risks of accident. The manufacturer accepts no responsibility for faults and damages caused by use contrary to the indicated instructions.

The electrical protection of the machine is accomplished by protective sheath of the current-carrying parts and by zeroing of the metal housing. This requires the use of a straight electrical outlet (socket). Overcurrent protection is provided by fuses built into the machine. Their replacement should be performed by qualified personnel.

Attention !



Do not place any larger or smaller vessels on the machine than those specified in the technical data! Do not use damaged vessels or vessels which have irregularly shapes. There is a danger of being injured.

Do not dispose onto the shafts full vessels which are not sealed good! There is a danger of electric shock!

Do not use labels with size beyond those specified in the specifications!

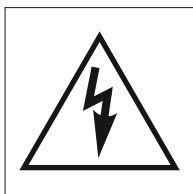
Feed with labels, maintain and clean the machine only when the power is off!

Do not cover the ventilation openings of the machine!

Be careful not to spill liquid on the machine!

Do not insert objects into the openings of the machine! There is a danger of electric shock!

Do not place your hand or fingers on the shafts of the machine! There is a danger of injury!



Attention !

In case of electric shock! Injury immediately disconnect the electrical supply through pulling the plug out of the socket!

Get medical attention immediately



Equipment /Figure 1.1, Figure 1.2/.

- | | |
|------------------------------|---|
| 1. Limiter - roll label. | 12. Guiding Parts - static. |
| 2. Roll label holder. | 13. Tensioner. |
| 3. Guiding Parts - rotating. | 14. Mounting plate to STS810. |
| 4. Movable platform. | 15. Mounting plate to STS808. |
| 5. Fixing screw of platform. | 16. The roll for pulling the base film. |
| 6. Swing printer. | 17. Phoebe base film(tape). |
| 7. Fixing screw swing | 18. Connectors external start. |
| 8. Printer. | 19. Power supply switch |
| 9. Front panel. | 20. Stickers connectors. |
| 10. Indication - status | 21. Sticker 'Label path for STS808' |
| 11. ON / OFF motor switch. | 22. Sticker 'Label path for STS810' |

Scope of the delivery.

Check immediately after unpacking the machine:

- 1 machine STS815 with marking printer;
- 1 ink cartridge for marking printer;
- 1 power cable 220V, 3x0.75mm², 1.8m;
- 1 signal cable 4x0.25mm², 1m, with M12-4P connectors;
- 1 mounting plate for STS808 with fasteners;
- 1 mounting plate for STS810 with fasteners;
- 1 operation manual.

Technical data.

Supply voltage:	220V AC, 50Hz.
Own consumption:	<100VA.
Electrical conection:	cable with plug type 'SHUKO'.
Dimensions:	280mmW, 550mmH, 520mmD.
Machine weight:	21kg.
Diameter of the labels roll:	< 200mm.
Spool diameter:	76mm.
Width of the roll / of the label /:	25 ... 150mm.
Printer positioning:	
- left / right / relative to the center /:	+/- 60mm;
- forward / backward / relative to the center /:	+/- 80mm;
Indiction - Two color LED:	
- blinking green - normal operation;	
- blinking red - 1 blink, pause - overloaded motor;	
- blinking red - 2 blink, pause - overloaded output signal to the printer;	
- blinking red - 3 blink, pause - long rotation of the motor - torn or finished waste label base.	

Noise information.

Noise level determined by analysis A.

Acoustic pressure level <70dB (A).

Noise level <70dB.

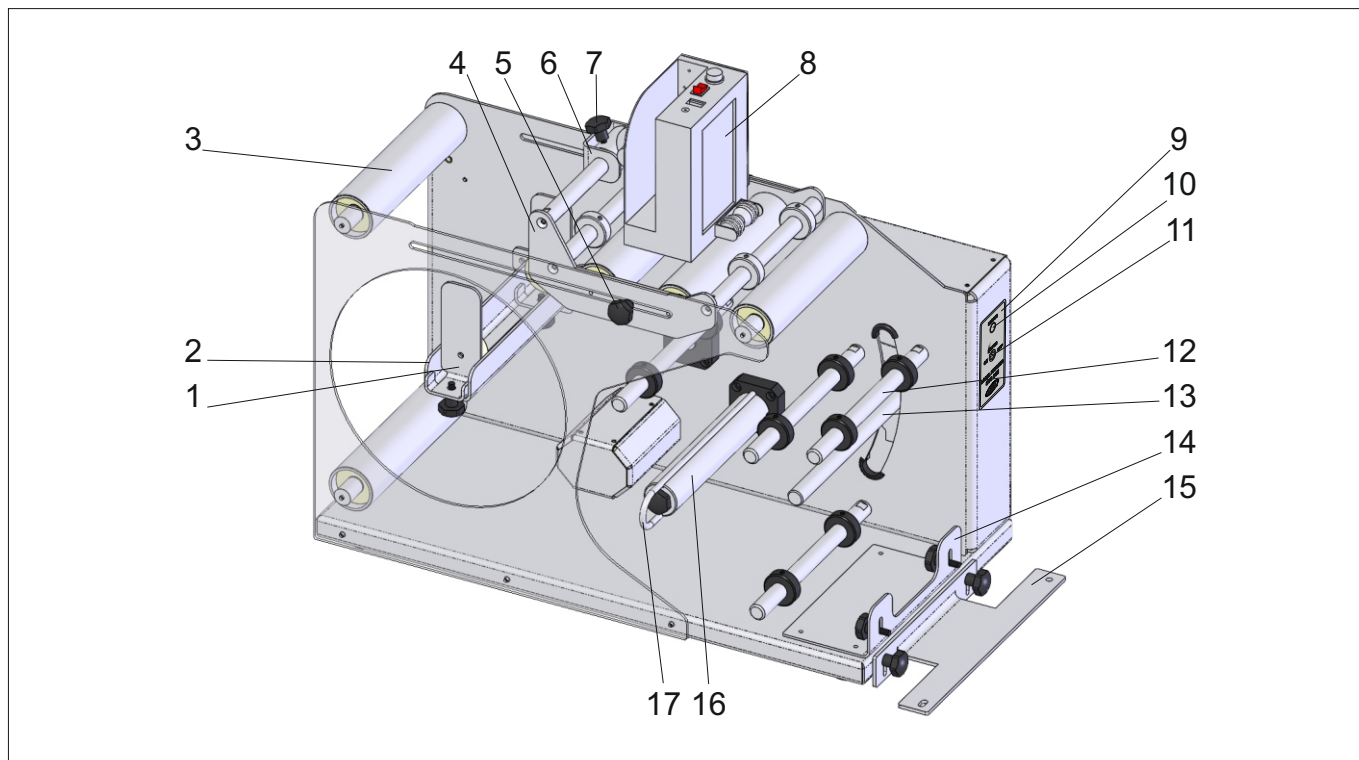


Figure 1.1

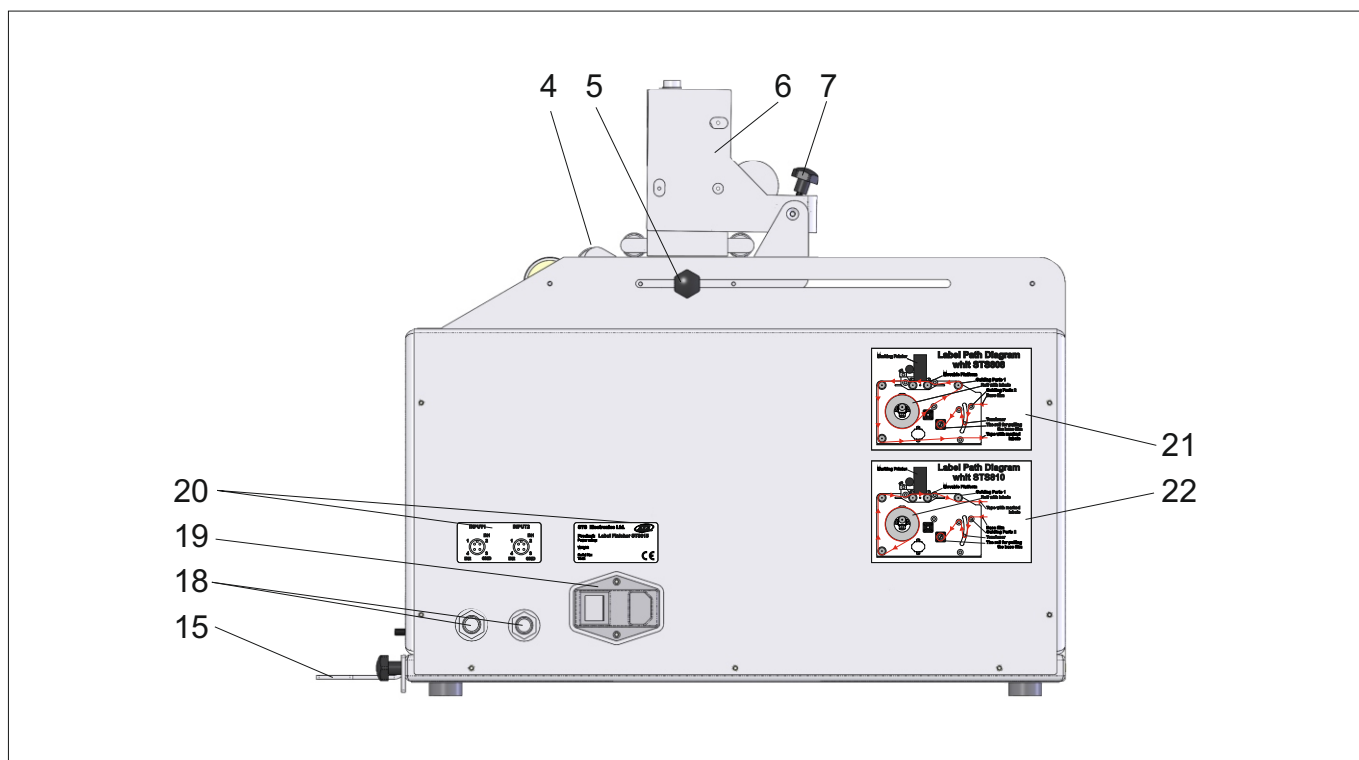


Figure 1.2

2. General safety instructions for handling electrical appliances.

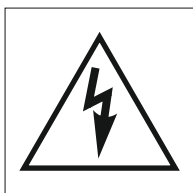
Attention!

The following safety precautions must be observed when using electrical appliances to protect against electric shock, risk of injury and fire. Read all of these instructions before using the machine and store them carefully.

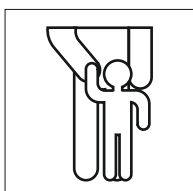


Safe work.

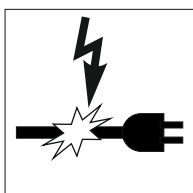
-Keep your workplace in order. Clutter in the work area can lead to accidents.



- Ensure good lighting in the workplace.
- Do not use the appliance in humid conditions.
- Do not use the appliance in places where there is a risk of fire or explosion.
- Keep bystanders, especially children, away from the appliance when operating the appliance.



- Do not use the appliance for purposes other than those intended.
- Do not use the cord to pull the plug from the wall socket. Protect the cable from oil heat and sharp edges.
- Avoid unnatural postures of the body. Take care of a secure posture, keep balance in every way.
- Carefully maintain your appliances.



- If you do not use the appliance, remove the plug from the socket.
 - Do not use the appliance with a damaged power switch.
- An electrical appliance that cannot be switched on and ?Carefully maintain your appliances.

- If you do not use the appliance, remove the plug from the socket.
- Do not use the appliance with a damaged power switch.

An electrical appliance that cannot be switched on and switched off is dangerous and needs to be repaired

-Be careful. Treat your work with caution. Do not use the appliance if you are not concentrated enough.

- Check the appliance for eventual damages. Check that the moving parts function flawlessly and are not tightened and that there are no damaged parts. All parts must be installed flawlessly and meet all conditions to ensure a faultless working condition of the appliance. Damaged safety components and parts must be repaired reliably by a certified electrician or replaced, unless otherwise stated in the instructions of the operation manual. Damaged circuit breakers must be replaced by a workshop.

Specific safety instructions.

The vessels are placed and removed manually. The adhesive procedure is started by pressing the built-in 'Start' button, or by an external start / 'Start' pedal connected to the intended coupling /.

- Do not place a vessel while the machine shafts are rotating.
- Do not start the machine with a vessel placed incorrectly.
- Do not remove the vessel from the machine before the shafts rotation is stopped.

Failure to keep the above instructions may result in injuries or damages.

3. Operating instructions

**Attention !**

Every operator working with the labeling machine (with the Label applicator) should become acquainted carefully with the present operating manual.

Mounting.

The machine should be placed on a flat, horizontal surface larger than its base behind the label applicator. The two machines are mounted to each other with the attached mounting plate. From the kit supplied with it a power cable is connected to the power network and a signal cable from **INPUT1** is connected to the connector for external start of the label applicator. The signal cable has no direction. The external start pedal from the labeling machine is connected to the second connector / **INPUT2** / of the marking machine.

Provide space around service machines and work with them.

Preparation for work.

Load the roll with labels.

The label roll is placed on the 'Label roll holder'. Its position is fixed with the two limiters. The tape with labels is loaded according to the attached scheme - fig.3.1 when working with label applicator STS808, or fig.3.2 when working with label applicator STS810, when the tape with the marked labels is fed to the applicator. The waste tape / the base of the label / is taken back and according to the attached scheme is led to the shaft wasted tape. Clamps with the provided phoebe for the shaft. In labeling machines, labels are loaded according to their scheme.

The limiters are set.

The limiters are released and placed in end positions. The label tape is positioned so that the label falls into the desired position of the vessel when gluing. The beginning of the label is placed on the peeling edge of the labeling machine. The pull shaft is locked. Stretch the tape along the entire route - the plane should be parallel to the sides of the machines. The stops are positioned to the tape and fixed. The tape must move freely. Improper adjustment of the stops leads to curvature of the label tape which leads to poor positioning when marking and gluing.

Preparing the printer.

The ink cartridge is inserted in the printer - it must be clean-headed, with no ink leaks. The power of the machines is switched on. The marking machine stretches the tape by winding part of the waste. The printer power is turned on. The printer display lights up. The menu sets the print settings: print direction / depending on the movement of the label /, printing mode / encoder /, print start / photoelectric detection /, print delay / 0 - changes if necessary /, print speed / 500uS /. Select the desired inscriptions and markings / from its memory, manually or from external memory / - Draw. The print starts. By manually moving the printer left / right and on an imaginary platform forwards / backwards, the printhead is positioned above the marking start point. The printer rollers should rest well on the rotating guide elements.

Starting the labeling machine leads to automatic operation of the marker.

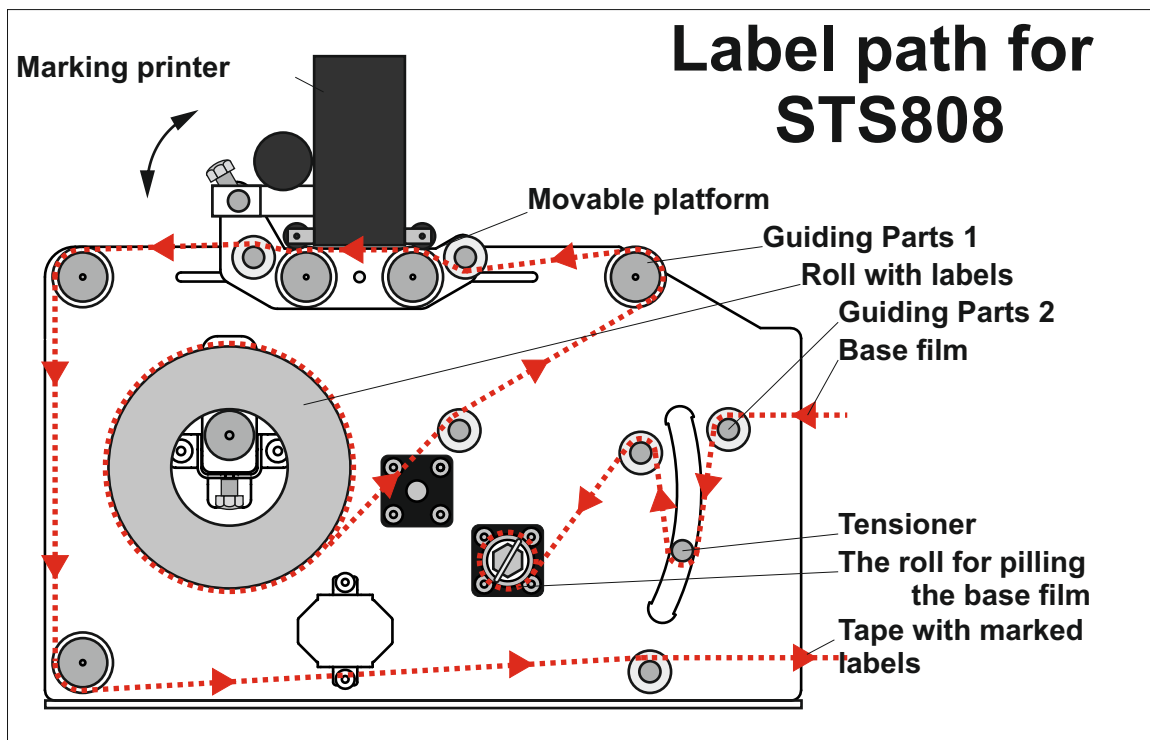


fig. 3.1

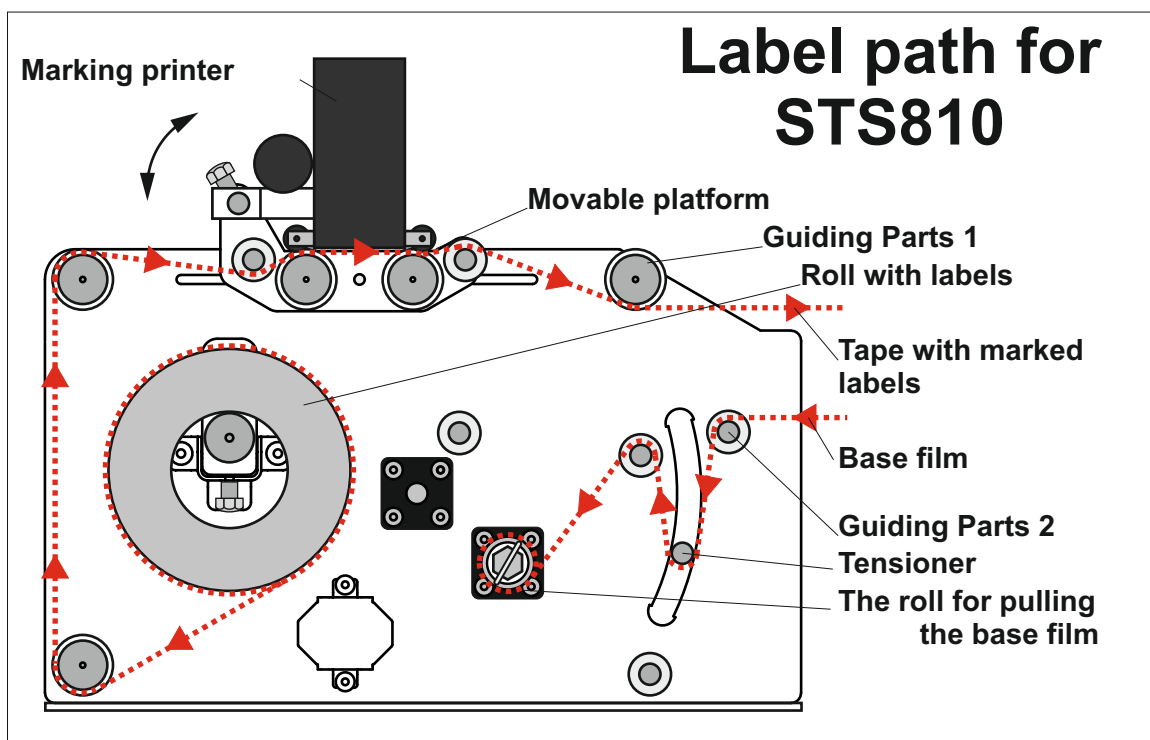


fig. 3.2

Several test starts of the machines are performed. If necessary, adjust the printer position and / or print delay to the desired marking position.

The machine is ready for work.

Work.

The operator works with the label applicator. The marking machine works automatically and synchronously with the labeling machine. Normal operation is indicated by blinking green light.

It is necessary to periodically discard the roller with waste tape, as the motor is turned off and on by the switch on the panel.

When the entire volume is full with waste tape the winding mechanism can become blocked and overloaded. The machine stops automatically. This is indicated by 1 blink followed by a pause - with a red light.

When the waste tape breaks or runs out of it the winding motor starts to spin continuously. The machine stops automatically. This is indicated by 3 blinks followed by a pause - with a red light.

To exit emergency mode, it is necessary to turn off the power.

4. Maintenance and cleaning



Attention! Risk of injury!

Always disconnect the plug from the socket before performing any work on the machine.

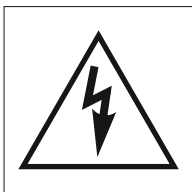
The labeling machine does not require any technical maintenance within the specified service life.

Clean the machine after finishing the job.

Use a brush or a dry cloth. Do not use solvents to clean the cabinet and face panel.

Technical alcohol may be used to clean the shafts. No liquids should enter the machine.

Make sure that the vents are always clear.



If detergent gets into your eyes, wash it immediately with water!

If discomfort or vision problems continue, seek medical attention!

In the event of electric shock or injury, disconnect the power supply immediately by pulling the plug out of the socket!

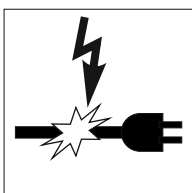
Get medical attention immediately

5. Service



Attention!

Have the machine serviced by qualified personnel only and only use original spare parts. This guarantees the safety of the machine.



If the power cord is damaged, replace it with a new one. This ensures the protection against electric shock and guarantees the safety of the machine.

6. Warranty

General conditions

The machine is manufactured with due care and tested in good faith. It is intended for use in normal climatic conditions, in an environment with normal fire safety, without liquids and gases aggressive to the housing material. In case of a warranty event, contact a certified service center.

Warranty conditions

Warranty period: 12 months from the date of sale.

The warranty applies only to defects in materials and factory defects, but not to damage emerged during transportation, worn parts or damage of fragile parts.

In the case of malicious and misconduct, use of force and encroachment not done by our repairers, the warranty is void.

Your legal rights are not limited to this warranty.

The warranty period is not extended after the warranty service has been provided. This also applies to replaced and repaired parts.

After the warranty period, repairs are paid.

7. Transportation



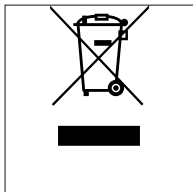
Attention!

Transport the machine to be done in its original packaging. Use the original reinforcing materials.

Avoid tilting or tipping the machine. Keep away from getting wet and hit.

The weight of the machine together with the package is 23 kg.

8. Disposal of the machine



The packaging is made from environmentally friendly materials that you can hand over for recycling.

Do not dispose of electrical appliances with household waste!

According to European Union Directive 2002/96 / EU, end-of-life electrical appliances must be collected separately and disposed of for recycling in accordance with environmental protection requirements.

9. EC DECLARATION OF CONFORMITY - original

With the present STS Electronics Ltd., Gabrovo, 41 Industrial Street, tel .: 066/801536,
e-mail: info@stselectronics.eu manufacturer

Declares

under its own responsibility that the **machine STS 815 for marking labels** complies with the requirements of:

DIRECTIVE 2006/42 / EC, introduced by the Ordinance on Essential Requirements and Conformity Assessment of Machines

DIRECTIVE 2014/30 / EC, introduced by the Ordinance on Essential Requirements and Conformity Assessment for Electromagnetic Compatibility.

The product meets the requirements of the following harmonized standards:

BDS EN ISO 12100: 2011

Machine safety. General principles for design. Risk assessment and reduction risk (ISO 12100: 2010)

BDS EN 60204 - 1: 2006 + A1: 2009

Safety of machinery. Electrical equipment of machines. Part 1: General requirements.

BDS EN 61000-6-2: 2006

Electromagnetic compatibility (EMC). Part 6-2: Common standards. Resistance to interference with industrial environments.

BDS EN 61000-6-4: 2007 +A1: 2011

Electromagnetic compatibility (EMC). Part 6-4: Common standards. Radiation standard for industrial environments.

The person who compiled the technical file - eng. Krasimir Savov

Date: 12.02.2020
Gabrovo City

Sign:
Manager: Diplomedated Engineer Krasimir Dikov



10. Producer

**STS Electronics Ltd.
City of Gabrovo 5300
14 „Stancionna“ street**

FACTORY NUMBER: _____