AFINIA LABEL®

AF200

FLAT SURFACE APPLICATOR

USER MANUAL

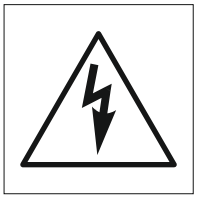
V.2.02

Contents

Following symbols are found in this user manual

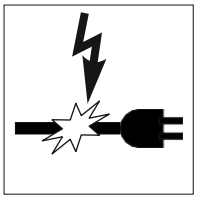
Read the User Manual!

Follow safety warnings and instructions!



Protect yourself from electric shock. Danger to life!

Keep children away from the machine while in operation!



Risk 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 using the machine for the first time, get acquainted with the functions of the machine and be informed about the correct operation with electrical appliances. Read the following operating instructions. Follow the instructions in the manual. When handing over the machine to third parties, hand over all documentation.

Using the applicator

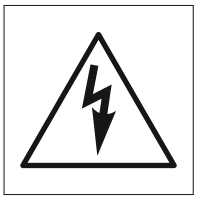
This applicator is designed to apply one or two self-adhesive labels (front and back) on containers/boxes with flat surfaces or slightly curved surface. Labels should be on one roll, and in case of 2 label applications, front and back labels should be in correct order.

Place the container on the machine table and adjust the guides to position the container. Adjust the start and stop position and press start the button or use the foot pedal. The machine applies labels to the container.

Any other use is considered unlawful and generates significant risks of accidents. 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 a protective sheath of the current-carrying parts and by grounding 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 containers on the machine than those specified in the technical data! Do not use damaged containers or containers which have irregular shapes. There is a danger of being injured.



Do not use labels with sizes beyond those specified in the specifications! Loading labels, maintenance and cleaning should only be performed with the power 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, immediately disconnect power from the machine.

2. Setting up the Applicator

In the box

- AF200 Flat Surface Applicator
- Power cable
- Foot pedal
- Operation manual

Specification

Supply voltage:	North America - 110V AC, 60 Hz — Europe, Middle East, Asia - 220V AC, 50Hz
Power consumption:	<100VA.
Dimensions:	11.8" (300mm) W, 16.8" (426mm) H, 27.5" (700mm) D
Machine weight:	50 lbs (23kgs)
Dimensions of platform:	11.8" (300mm) W, 11.8" (300mm) D
Field for labeling:	4.13" (105mm) W, 8.25" (210mm) D
Height of container:	1 to 7.87 inches (25 to 200mm) (thinner objects can be labeled with a spacer
Label length:	1" (25mm) to 8.25" (210mm)
Width of label roll:	1" (25mm) to 4.13" (105mm)
Label Gap:	> 0.1 inches (2.5mm)
Liner Thickness:	< 0.07mm
Diameter of label roll:	< 7.87 inches (200mm)
Core diameter:	2 to 3 inches (50 to 76mm)
Dispensing Speed:	0.1m/sec - programmable
Platform speed:	0.1m/sec - programmable

Noise information.
Noise level determined by analysis A.
Acoustic pressure level <70dB (A).
Noise level <70dB.

Parts of the Applicator - Figure 2.1

1. Magnet rails for adjusting the start of the label.
2. Foam roller
3. Label media guides
4. Sensor for labels
5. Pull shaft
6. Label media guides
7. Friction brush
8. Moving arm
9. Label roll holder
10. Label roll guides
11. Container guide - rear
12. Container guide - both sides
13. Power supply coupling
14. Power switch
15. Platform
16. Foot pedal/ peripheral devices connector
17. Control panel
18. Start button
19. Base

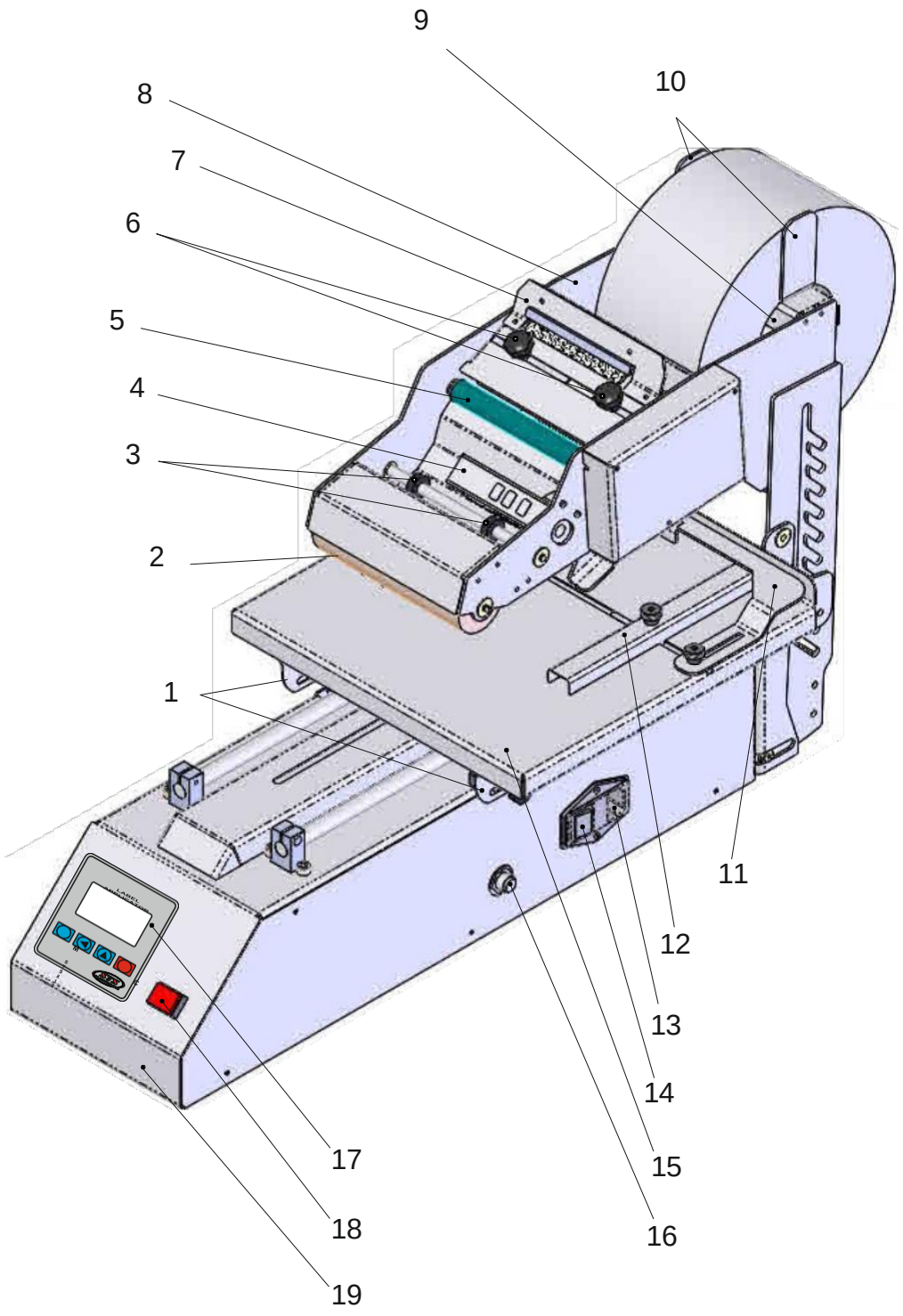


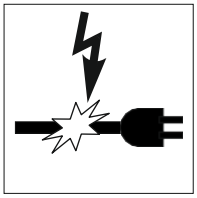
Figure 2.1

3. General safety instructions

Attention!

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

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 applicator in humid conditions.
- Do not use the applicator in places where there is a risk of fire or explosion.
- Keep bystanders, especially children, away from the applicator when operating the device.
- Do not use the applicator 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 applicator.
- If you do not use the applicator, remove the plug from the socket.
- Do not use the applicator with a damaged power switch.
- An electrical device that cannot be switched on and switched off is dangerous and needs to be repaired
- Inspect the machine for any damage. Check that the moving parts function as designed and that there are no damaged parts. All parts must be installed correctly and meet all conditions to ensure proper operation. Damaged safety components and parts must be repaired or replaced by a certified technician, unless otherwise stated in the instructions of the operation manual. Damaged circuit breakers must be replaced by a certified electrician.

Specific safety instructions.

The container to be labeled is inserted and removed manually. The labeling procedure is started by pressing the built-in 'Start' button, or by the external start pedal connected to the device.

- Do not insert a container while the applicator is moving.
- Do not start the machine with a container that is incorrectly installed.
- Do not remove the container from the machine until the rollers have stopped.

- Failure to follow these instructions may result in injuries or damage.

4. Operating instructions

Attention!
Every operator working with the label applicator should be familiar with this user manual.

Setup

Place the applicator on a flat, horizontal surface larger than its base. You should provide space around the machine for maintenance, servicing and handling. Install the power cord that is included with the applicator. Install the start petal cable to the connector on the side of the applicator.

Power up

Plug in the included power cord and power on the machine using the on switch on the right side of the machine. Machine boots up to its home screen.

Determination of parameter value 'Offset stop'

The sensor which detects the end of the label is located at a distance 64mm before the peel edge and its position cannot be changed. This requires the input of the 'Offset-stop' parameter for single-label mode and 'Offset-stop 1' and 'Offset-stop 2' for two-label mode.
These parameters determine the proper positioning of the subsequent label to the peel edge. The values depend on the length of the labels and the distance between them. For convenience, the measurement of the labels, the distance between them and the calculation of the offsets are done before loading the label roll in the machine.

The online tool to calculate the values can be found on our website, https://afinialabel.com/af200calc. This QR code will take you to the webpage.

When applying a single label, refer to section 5 to manually calculate the offset value.

When applying two labels, refer to section 6 to manually calculate the offset value.

Loading a label roll and calibrating the label sensor

The machine is loaded with label roll meeting the specifications described in the technical data. For better access, the upper applicator assembly should be lifted up and the platform pulled to the front position. The procedure is performed with the machine powered off. Detailed instructions are listed in Section 7.

Refer to section 8 to calibrate the label sensor. This step does not need to be repeated if the label roll material and size remains the same.

Container positioning

The dimensions of the container as well as the position of the label are specified in the technical data. To apply labels to thinner containers than the minimum spec of 1 inch, a pre-made spacer with the necessary shape and height needs to be attached to the platform.

To apply labels to irregularly shaped container, a suitable mold or jig must be attached to the platform. For optimum results, it is necessary to adjust the height of the upper applicator assembly based on the height of the container, using steps laid out in Section 9.
Position of the applied label depends on correctly positioning the container on the platform and adjusting the magnet screws to set start and end points. Detailed steps are listed for this adjustment in Section 10.

Working with the menu and changing parameters

The menus in the machine are divided into two sections - user and service. They are protected by passwords that cannot be changed. The password of the user menu is deactivated by default.

The machine operator works within the user menu. The operator can change the operating mode (one or two labels) and set the already calculated offset stop or offset stop 1 and offset stop 2 for two label mode. Detailed instructions are in Section 11.

The technical staff works within the service menu. Technician can enable/disable user menu password, change labelling speed and turn on/off fast platform movement speed. Detailed instructions are in Section 12.

Testing and fine tuning settings

Test the machine and make precise adjustments:

- monitor position of the applied label, along with the peel edge. Adjust by changing offset stop or offset stop 1 and offset stop 2 for two-label mode. Decreasing its value causes the label to move inward.
- monitor the left / right position of the label. Adjust the position of the media guides as needed.
- monitor the end of the applied label with respect to the foam roller at the end of the cycle. In the case of two-label mode, monitor label with more rear position. If needed, adjust the position of the rear guide.
- monitor the position of the beginning of the label. Adjust the position of the right magnet. For two label mode adjust the right magnet for first label and the left magnet for second label. The direction and distance of placement of the magnet corresponds to the direction and distance of the placement of the label.
- monitor the desired repeatability of labeling position. Adjust labeling speed. Low speeds lead to better repeatability. When changing the labeling speed, the positions of the magnets need to be adjusted and the position of the beginning of the label also changes.

Labeling

The procedure is started by pressing the built-in 'Start' button or by an external 'Start' pedal connected to the connector. Performance is indicated on the display. At the completion of the labeling procedure, the label counter increases. Any time the C button is pressed and held for more than 3 seconds, the counter is reset.

Errors

When the machine is started or operated and a situation arises that can lead to damage, the machine is stopped. A flashing message with an error code is displayed, accompanied by a sound alarm. It is necessary to correct the problem and restart the machine by turning the power off and on. Errors and troubleshooting steps are described in Section 13.

Adjusting the display

The brightness and contrast of the display can be adjusted as needed. Menu access and operation are described in Section 14.

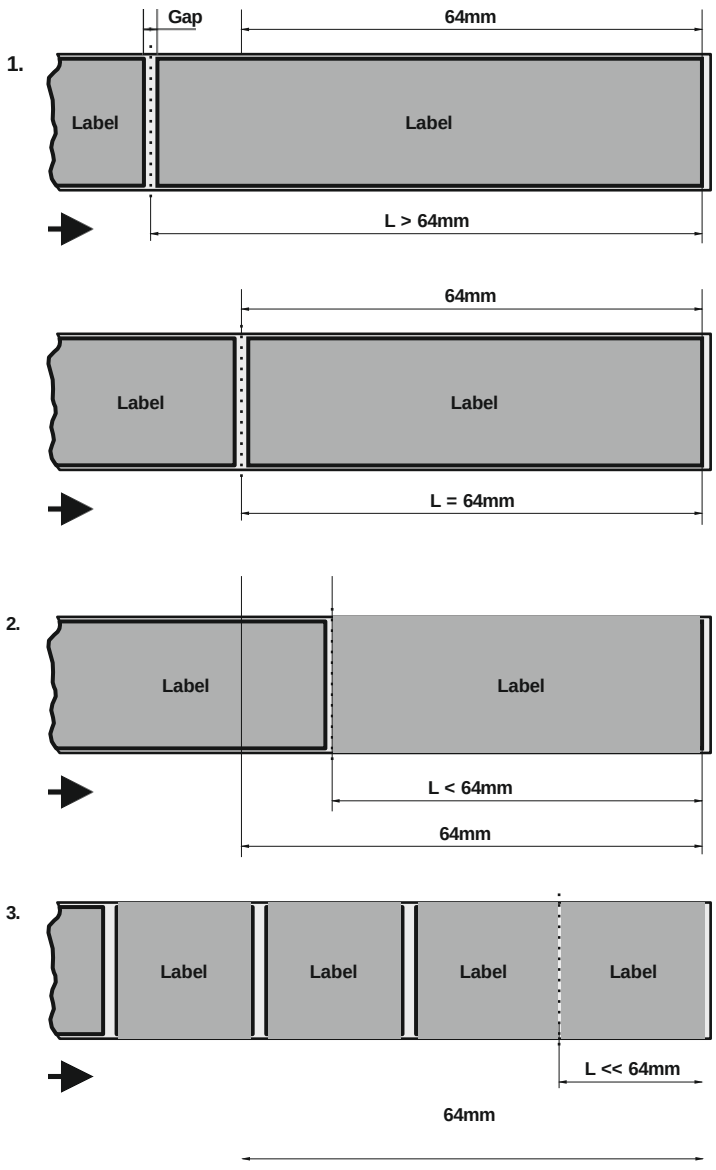
Information service menu

Only qualified technicians should work with the information menus.
The first menu displays a record of the event counters, total cycle, error counter and the machine serial number. The description of the counters and how to access is described in Section 15.
The second menu allows diagnostics of all sensors and controller inputs. Details are described in Section 16.

5. Offset stop - 1 label mode

This value needs to be determined when applying one label. The easiest way to do this is to use the online tool on our website, https://afinialabel.com/af200calc. This QR code will take you to the webpage.

To manually determine these values, follow these steps
Examples are shown on Figure 5.1.



Situation 1:
Label >= 64 mm.
The value of Offset is 64:
Offset stop = 64.

Situation 2:
Label < 64mm.
The offset value is determined by subtracting from 64 length of the label and half the gap:
Offset stop = 64 - Label - Gap/2.

Situation 3:
Label << 64mm.
The offset value is determined by subtracting from 64 the sum of all lengths of the labels and gaps, and adding half of the gap.
For the specific example:
Offset stop = 64 - Label - Gap - Label - Gap - Label - Gap + Gap/2.

Note: Measured offset results are a good start. Several adjustments may be needed to better position the start of the label.

Figure 5.1

6. Offset stop 1, Offset stop 2 - 2 label mode

These values need to be determined when applying two label. The easiest way to do this is to use the online tool on our website, https://afinialabel.com/af200calc. This QR code will take you to the webpage.

To manually determine these values, follow these steps.
Depending on the length of the labels the following situations are possible:

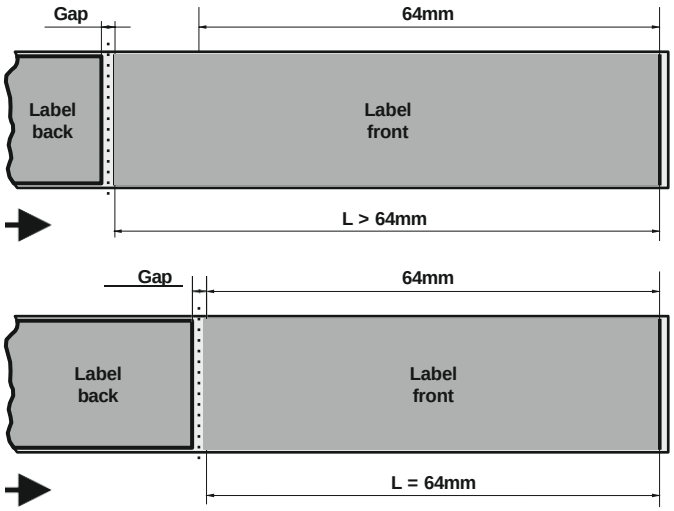


Figure 6.1

Situation 1:

Front label >= 64mm
Back label - regardless of the size - Figure 6.1.

The value of Offset stop 1 is determined by adding to 64 half the gap:
Offset stop 1 = 64 + Gap/2.

The value of Offset stop 2 is determined by adding half the gap to the back label length:
Offset stop 2 = Back label + Gap/2.

Front label must be applied first.

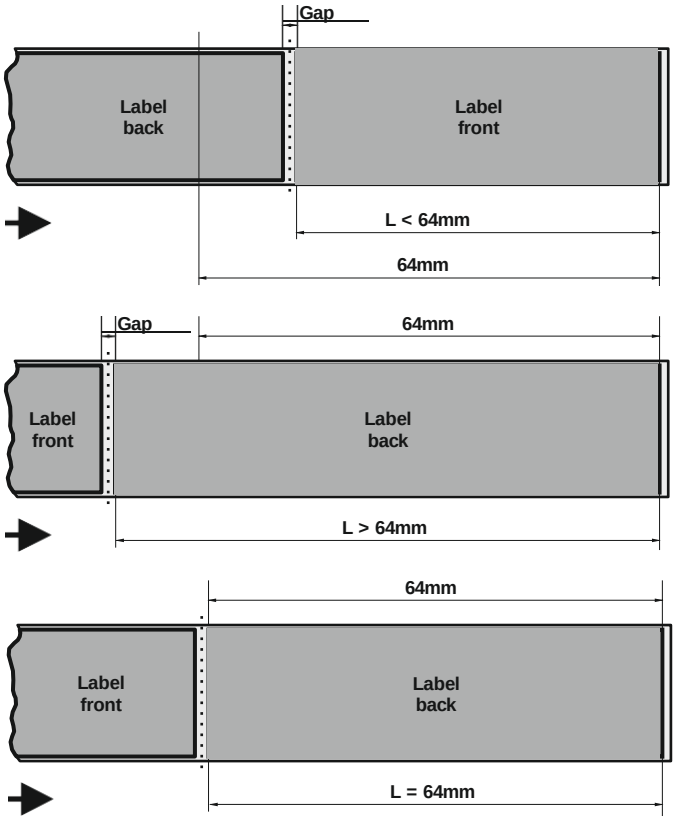


Figure 6.2

Situation 2:

Front label < 64mm
Back label >= 64mm - Figure 6.2.

The value of Offset stop 1 is determined by adding to 64 half the gap:
Offset stop 1 = 64 + Gap/2.

The value of Offset stop 2 is determined by adding half the gap to the front label length:
Offset stop 2 = Front label + Gap/2.

Back label must be applied first.

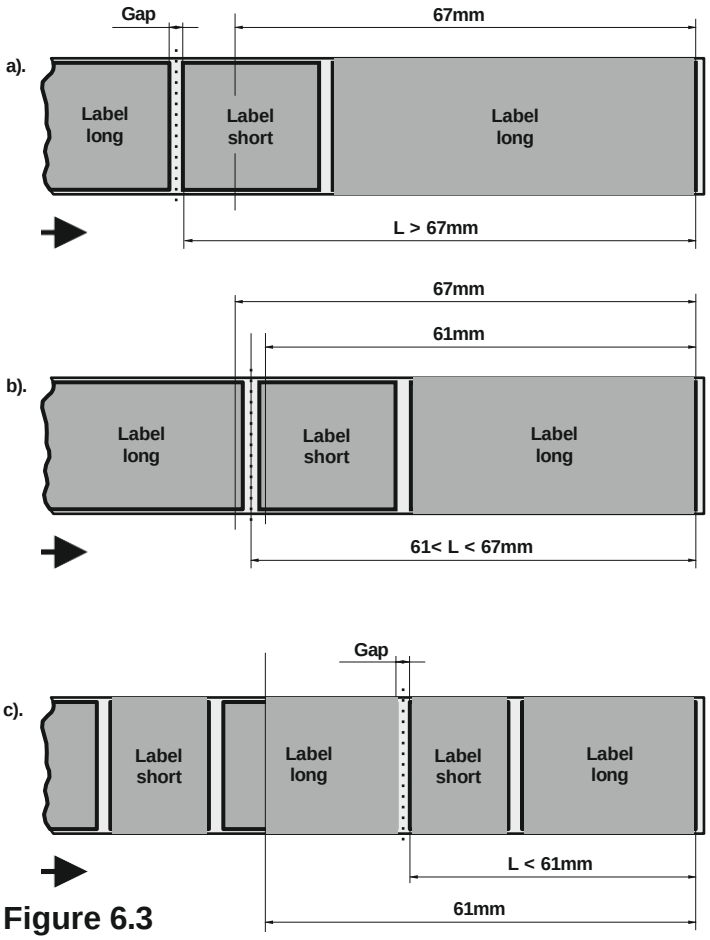


Figure 6.3

Situation 3:

Front label < 64mm

Back label < 64mm - Figure6.3.

Three situations are possible:

a). Sum of the two labels and gap is >= 67mm. Then the value of Offset stop 1 is determined by subtracting the length of the shorter label and half the gap:

Offset stop 1 = 64 - Small label-Gap/2.

The value of Offset stop 2 is determined by adding the Small Label length to half the gap:

Offset stop 2 = Small label + Gap/2.

Big label must be applied first.

b). Sum of the lengths of the two labels and the gap is < 67mm but > 61mm.

Then the Offset Stop 1 value is equal to half the gap:

Offset stop 1 = Gap/2 .

The value of Offset stop 2 is determined by adding Small Label length to half the gap:

Offset stop 2 = Small label + Gap/2.

Big label must be applied first.

c). Sum of the lengths of the two labels and the gap is <= to 61mm. Then the value of Offset stop 1 is determined by subtracting from 64 the length of the two labels with the gap between them and the length of another half gap:

Offset stop 1 = 64 - Big label - Gap - Small label - Gap/2.

The value of Offset stop 2 is determined by adding the Small Label length to half the gap:

Offset stop 2 = Small label + Gap/2.

Big label must be applied first.

Note: Measured offset results are a good start. Some adjustments may be needed to better position the start of the label.

7. Loading labels

To load a roll of labels, pull up the **Label roll holder** and remove the magnetic **roll guides**. Place the roll on the holder and use the magnetic guides to locate the roll in the desired position.

Before routing the media, unlock the **Press shaft**. Use your thumbs to push the unlock/lock tab down on both sides.

Now route the label media as shown in the schematic (Figure 7.1) below.

- slips under **friction brush**
- passes between **media guide 1.** Position both guides against the edge of the media
- passes over **Pull shaft**
- goes through the slot of the **Label sensor**
- passes under **media guide 2.** Position both guides against the edge of the media
- Peel label to expose about 12” of liner. Route the liner under and back from the **Peeling edge**
- passes under **Pull shaft** and over **Press shaft**
- over the bracket shielding the stepper motor
- passes under **Label roll** and falls back freely

Label roll is adjusted in the left/right position so a peeled label is aligned with the container on the table. Pull the label media such that the start of a label (first label if 2 label option is being used) is positioned on the **Peeling Edge**. There should be no labels past the peeling edge. Use ruler markings on the label roll holder and under pull shaft to ensure media is aligned through the applicator. Lock the Press Shaft by pushing up the unlock/lock tab on both sides. If needed, readjust the **Magnetic label roll guides**, **Media Guides 1** and **Media Guides 2** against the edge of the media, ensuring there is a slight clearance and the media edges are not pinched. Manually move the label roll to make sure media is taut.

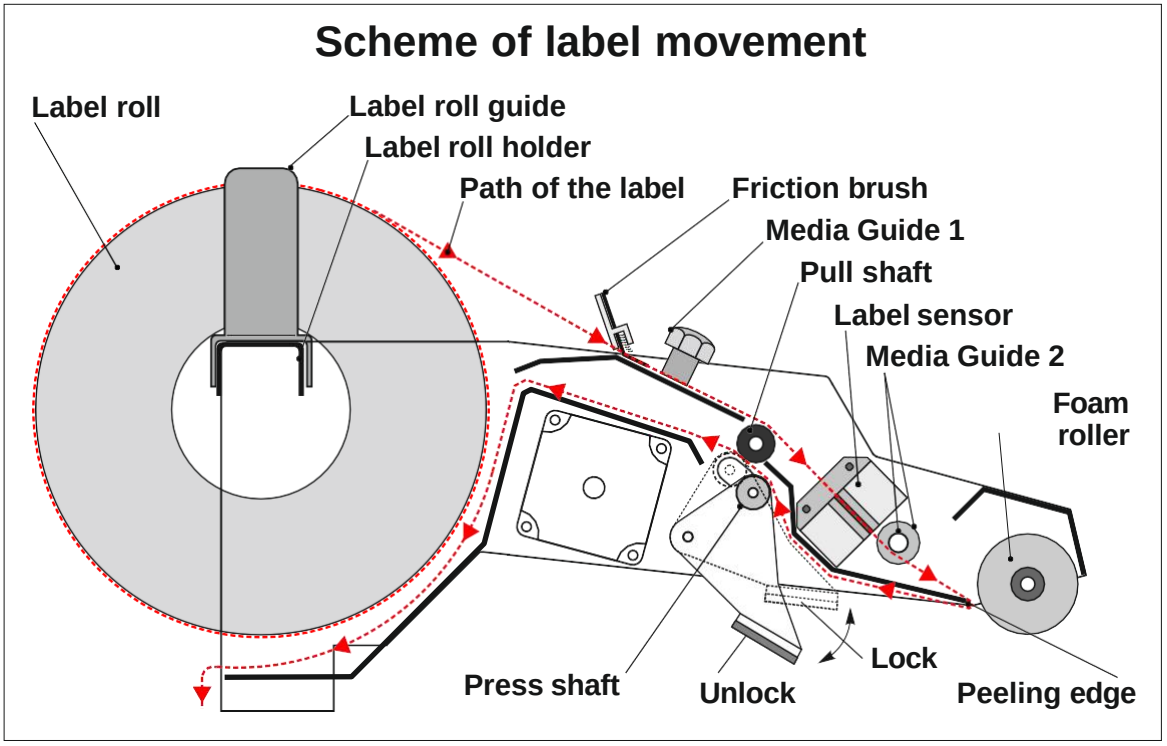


Figure 7.1

8. Calibrating the label sensor

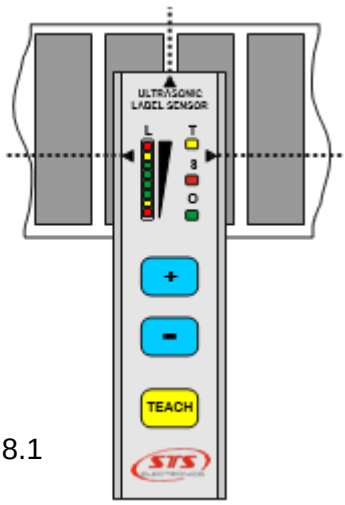


Figure 8.1

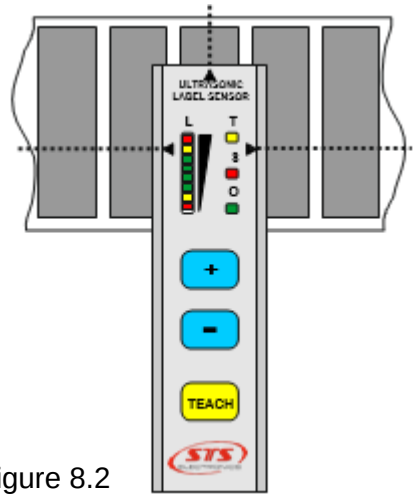


Figure 8.2

The label stock and matrix must travel through the sensor area. If irregular shaped label stock is used, the sensor will not register the gap correctly. When calibrating, the label stock cannot be moving.

1. Position the stock so that the gap is under the sensor, as shown in figure 8.1
2. Press and hold the TEACH button for 3 seconds. The yellow LED under T will be lit. When the button is released, the LED will be blinking. Sensor calibration takes place and the sensor level will be displayed on the LEDs under L. Once calibration is completed, the T LED will turn off.
3. Position the stock so a label is under the sensor, as shown in figure 8.2.
4. Press the TEACH button. The LED under T will turn on and will blink briefly. Sensor calibration takes place and the sensor level will be displayed on the LEDs under L. Sensor calibration is complete
5. If there is not enough signal difference between the label stock and the liner, the level LED indicators will blink, indicating an error. If this occurs repeat these steps again, with another section of the label material or try different label stock.
6. Exiting the error state can also be done by powering off the applicator.

9. Adjusting the height of the Upper Applicator Assembly

For correct operation, the distance **H** between the top surface of the container and the foam roller must be under 5mm. It is measured when the upper applicator assembly position is set after homing on initial startup - Fig.9.1.
The position of the upper applicator assembly is fixed on a tooth comb in 20mm steps and can be adjusted up or down.

Rough Adjustment

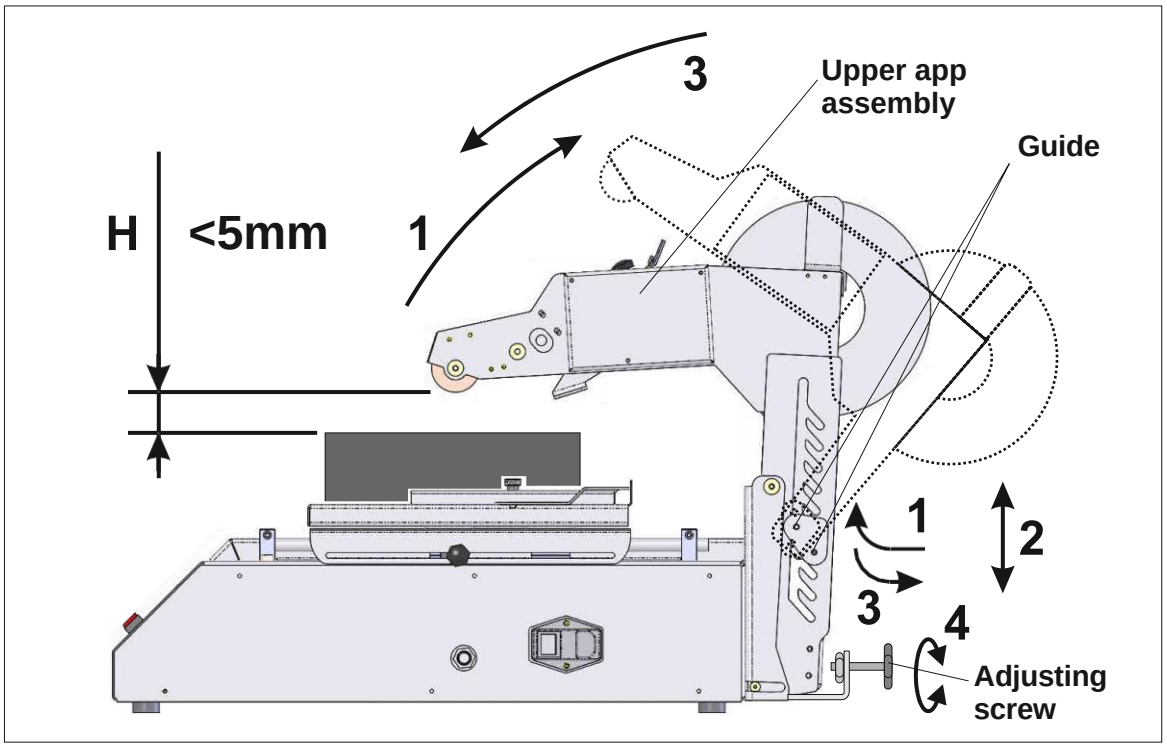
- Power off the machine.
- Turn the adjusting screw **(4)** counter clockwise until it is in the outmost position
- Tilt the upper applicator assembly back **(1)** and slide the 2 pins (pivot points) on both sides out of the tooth comb **(1)** and into the vertical channel.
- Keeping the upper applicator assembly in this position move the whole assembly up or down **(2)** in the vertical channel as needed based on the container height.
- Once the desired height is reached slide the 2 pins (pivot points) on both sides into one of the tooth combs **(3)** from the vertical channel and tilt the upper applicator assembly forward **(3)** until the pins rest in the tooth comb.

Precision Adjustment

- If necessary, use the adjustment screw to set the correct height. Clockwise (tightening) movement of the screw will raise the upper applicator assembly and counter clockwise will lower it.
  Be careful not to damage the wiring harness.

If the container is thinner than the 1” minimum spec, the upper applicator assembly can be set to the minimum height, and a prefabricated pad with the necessary shape and height is secured to the platform. In case of an irregular shape container, it is necessary to make a suitable mold which is attached to the platform.

Figure 9.1



10. Container positioning and magnet adjustment

Container positioning and adjustment on the platform determine where the label will be applied. Follow the process below to set the correct container position.

- Power off the machine.
- Place the container on the platform. Position the center of the label roll to coincide with the center of the desired label application position. Set the left and right container guide to secure the container between them **(1)** - fig.10.1. Tighten the screws on both guides.
- Manually pull the platform to the front position. Position the container so the end of the label is below the start of the upper applicator assembly **(2)** - Fig. 10.2. This ensures complete adhesion of the label. Secure the container in this position and set the rear guide **(3)** - Fig. 10.1. In the case of a two-label mode, this procedure is performed for the label with more rear position.
- Manually push the platform back to set the start of the labeling position. Starting position of the label is indicated by arrow **(4)** in Fig.10.3. Without moving the platform, loosen screw on the right and move it to about 1.25” in front of the label start position as indicated by arrow **(5)** in Fig.10.3. Tighten the screw on the right. In two-label mode, for the second label, repeat this procedure but with the left magnet screw. These adjustments provide a rough starting point and once the machine is being tested, additional correction of the position of the magnet screws might be needed (direction and distance of the magnet location coincides with the direction and distance of the label placement).

When changing the labeling speed, the positions of the magnets may need to be adjusted.

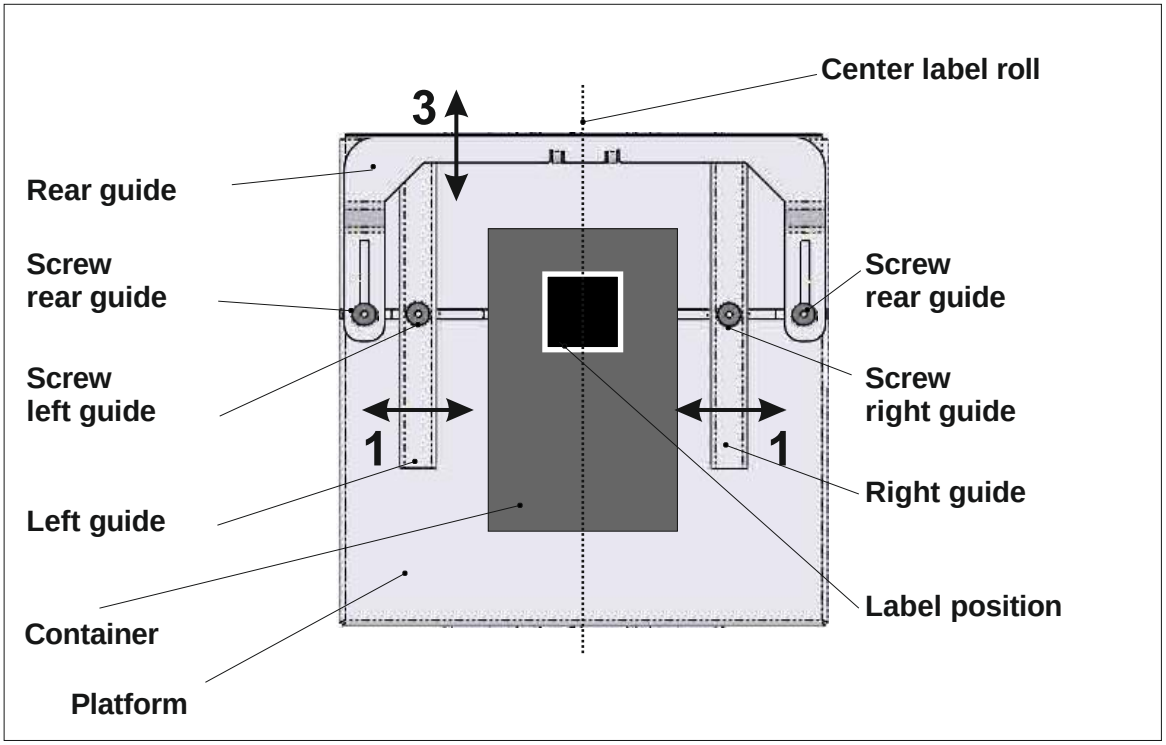


Figure 10.1

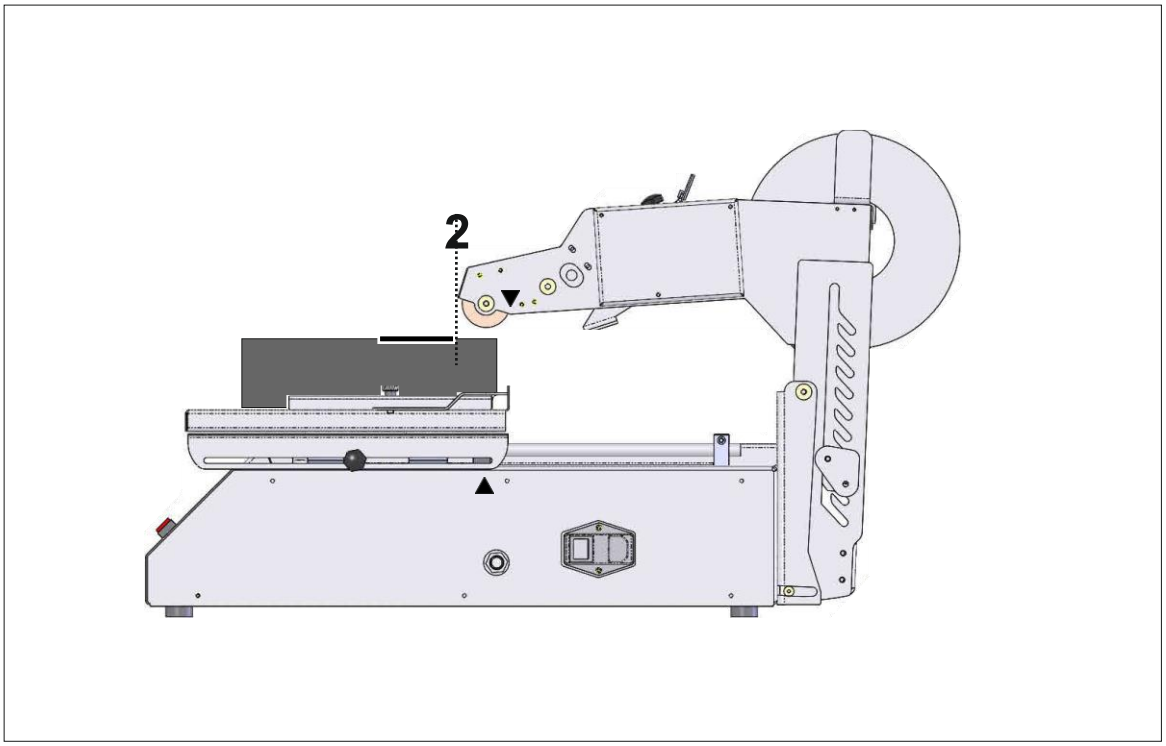


Figure 10.2

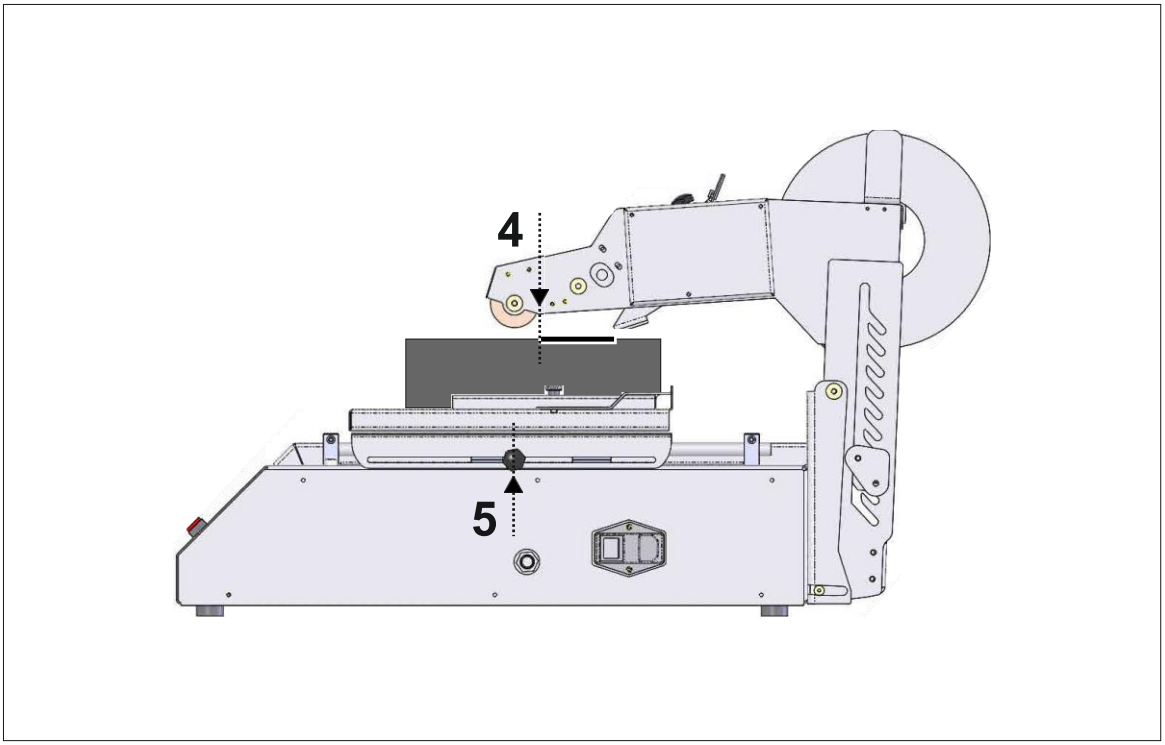


Figure 10.3

11. User menu and changing parameters

Access the parameter menu by holding down the M button for 3 seconds.

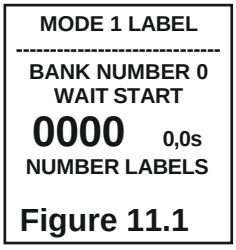


Figure 11.1

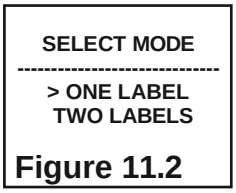


Figure 11.2

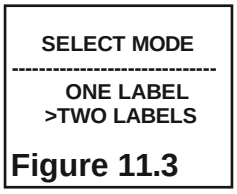


Figure 11.3

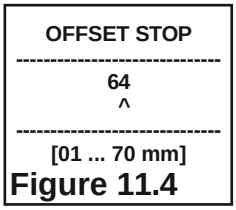


Figure 11.4

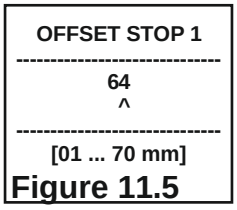


Figure 11.5

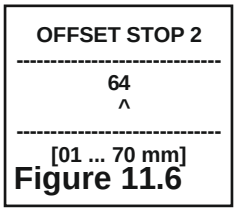


Figure 11.6

Select mode 'ONE LABEL'

Once 'ONE LABEL' mode is selected, next enter the Offset stop parameter- Figure 11.4. This value determines the proper positioning of the beginning of the label to the peeling edge. The value depends on the length of the label and is explained in section 5.

Change the value by pressing the ▲ key. To go to the next digit press the ◄ key. The process is cyclical.

By pressing the M key, the set offset is set and the main screen is displayed - Figure.11.1.

Select mode 'TWO LABELS'

Once the 'TWO LABELS' mode - Figure 11.3, is selected and confirmed, next enter - offset stop 1 - Figure 11.5. Its value determines the proper positioning of the beginning of the front label to the peeling edge. The value depends on the length of the two labels (front, back), and is explained in section 6.

Change the value by pressing the ▲ key. To move to the next digit, press the ◄ key. Pressing the C key will reset the numbers. Press the M key to save the Offset stop 1 value. Next enter the Offset stop 2 value, Figure 11.6. Again, use the ▲ key to change values and the ◄ key to move to the next digit. Press the C key to reset the numbers. Press M to save the Offset stop 2 value.

When staying in the parameter menu screen for more than 60 seconds without activity, the machine will return to the main screen (Figure 11.1). Any changes will be saved.

12. Working with the service menu and setting parameters

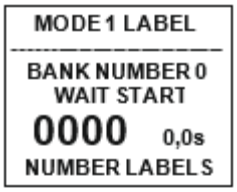


Figure 12.1

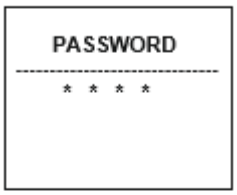


Figure 12.2

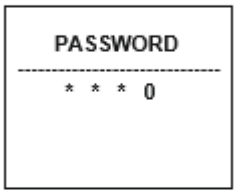


Figure 12.3

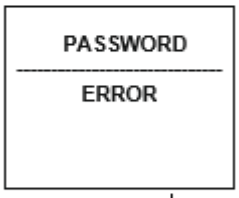


Figure 12.4

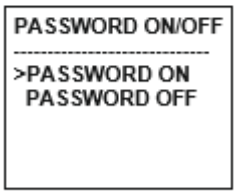


Figure 12.5

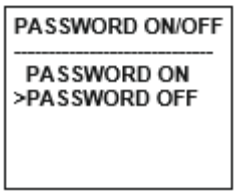


Figure 12.6

Access to the parameter change menu is password protected. From the main screen (Figure 12.1) press and hold the C and M buttons for longer than 3 seconds. The password window will be displayed (Figure 12.2).

To exit this screen press the C key. To enter the password, press the ◄ key (Figure 12.3). The password for the service menu of this machine is **8888** and cannot be changed.

The numbers are changed by pressing the ▲ key. Press the ◄ key to move to the next position. Pressing the C key returns to the default password input position. Press the M key once the numbers are entered.

If the password is incorrectly entered, an error window is displayed - Figure 12.4. By pressing the M key, you can reenter the password - Figure12.2. Again, pressing the C key will exit the menu and return to the main screen - Figure 12.1

Correctly entering the password gives access to change the parameters.

The first window that is displayed is to turn the user menu password ON/OFF (Figure 12.5). Pressing the ◄ key changes the selection between **PASSWORD ON** (Figure 12.5) and **PASSWORD OFF** (Figure 12.6).

Confirmation of the selection is done by pressing the M key. The next parameter is - Speed - Figure 12.7.

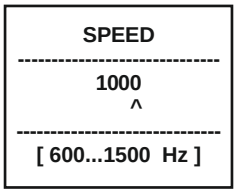


Figure 12.7

The parameter is entered by pressing the ▲ key.

Going to the next digit is done by pressing the ◄ key. The value can be between 0600 and 1500 Hz. Pressing the C key resets the value to 600 and can be changed.

Confirmation of the desired selection is done by pressing M key

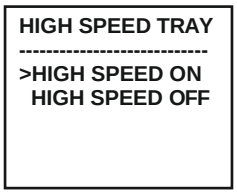


Figure 12.8

The next parameter is HIGH SPEED TRAY feature ON/OFF. Pressing the ◄ key cycles through **HIGH SPEED ON** (Figure 12.8) and **HIGH SPEED OFF** (Figure 12.9). Confirmation of the desired selection is done by pressing the M key and display goes to working mode (Figure 12.1).

When staying in a parameter menu window for more than 60 seconds without activity (pressing any key), the machine enters Figure 12.1 operating mode. Changes made so far are saved.

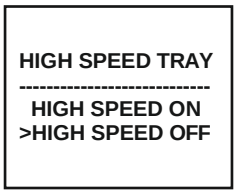


Figure 12.9

Note:
The labeling speed and the movement of the platform during labeling is a parameter set from the menu.

Labeling speed determines positioning accuracy, repeatability and labeling quality. At lower speeds, better results are achieved. When the speed changes, the positions of the magnets need to be adjusted as well.

The speed of the platform also depends on the weight of the container. Heavy objects require a lower speed.

13. Errors and Troubleshooting

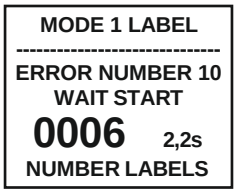


Figure 13.1

ERROR NUMBER 10 - the platform reaches the end position when trying to apply the first label. The system does not stop on the sensor for the first label correctly.
Possible causes and actions:
- incorrectly adjusted sensor - the magnet is in the front position. Adjust the position of the magnet.
- damaged or missing magnet. Examine the magnet to confirm it is installed correctly. Adjust the position of the magnet.
- damaged sensor or wiring issue. Submit for repair.

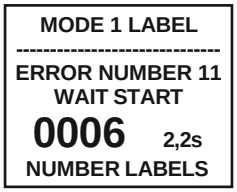


Figure 13.2

ERROR NUMBER 11 - the platform reaches the end position after applying the first label and attempting to apply the second - does not stop on the sensor for the second label (left side).
Possible causes and actions:
- incorrectly adjusted sensor - the magnet is in the front position. Adjust the position of the magnet.
- damaged or missing magnet. Examine the magnet to confirm it is installed correctly. Adjust the position of the magnet.
- damaged sensor or wiring issue. Submit for repair.

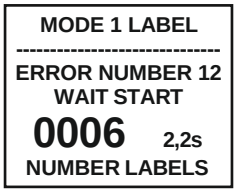


Figure 13.3

ERROR NUMBER 12 - no tray or arm movement, current overload.
Possible causes and actions:
- an external object is blocking the normal operation of the mechanics. Remove the object.
- damage to the mechanics, gearbox, motor electronics. Submit for repair.

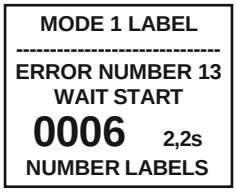


Figure 13.4

ERROR NUMBER 13 - the platform reaches front position without applying a label.
Possible causes and actions:
- no signal from the label sensor – multiple labels applied. Incorrectly calibrated label sensor or incorrectly loaded label stock.
Confirm the stock is loaded correctly. Recalibrate the sensor.
- Labels are missing on the roll. Unlock the pressing shaft. Manually move the blank area. Lock the pressing shaft.
- the sensor LED indicator is not lighting up or changing status when moving from a gap to the label section. Possible bad sensor.

Submit for repair.

- part of the label remains on the roll - the move of the platform is not enough. Adjust the magnet position. Set the correct offset stop for the label being applied. Check the maximum length of the label.
- starts labeling several labels with correct signals from the label sensor. Set the correct offset stop for the label being applied.
- there is no movement of the label stock when the pulling shaft is working. Ensure that the label roller rotates freely.
Confirm the pressing shaft is engaged.
- there is no movement of the pulling shaft – possible damag
to the timing belt, stepper motor or electronics.
Submit for repair.

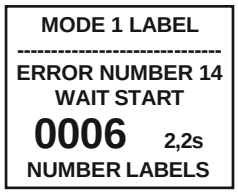


Figure 13.5

ERROR NUMBER 14 - platform not moving correctly.
Possible causes and actions:
- damaged end sensor or magnet - the platform reaches the end position without stopping.
Submit for repair.
- Damage to the timing belt, stepper motor or electronics- no platform movement.
Submit for repair.

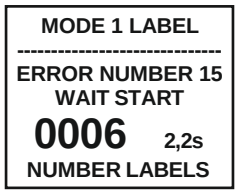


Figure 13.6

ERROR NUMBER 15 - The arm is not moving correctly.
Possible causes and actions:
- Inspect wire harness for damage. Possible issue with DC motor or electronics. Submit for repair.

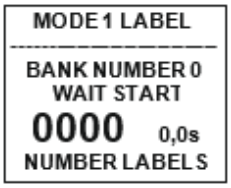


Figure 13.7

After the problem is solved, it is necessary to restart the machine by turning the power off and on. After switching on it goes into operating mode (Figure 13.7). Run the system, applying the next label, to confirm correct operation.

14. Adjusting the brightness and the contrast of the display

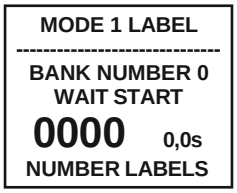


Figure 14.1

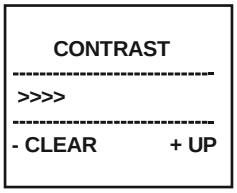


Figure 14.2

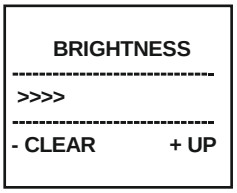


Figure 14.3

The menu for changing the display settings is accessed from the operating mode - Figure 14.1.

To enter this menu (Figure 14.2) press and hold the ▲ key for longer than 3 seconds. The current level is represented by the number of >>>>> symbols. Adjustment is done gradually by pressing C key to decrease and ▲ key to increase.

By pressing the M key, the desired value is stored and switched to the brightness setting mode - Figure 14.3. The current level is represented by the number of >>>>. Adjustment is made by `pressing C key to decrease and ▲ key to increase. The desired value is saved by pressing the M key, and goes into working mode - Figure 14.1.

15. Information Menu - Counters

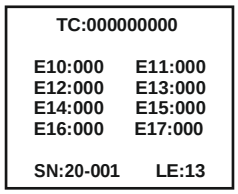


Figure 15.1

This menu provides information about number of machine cycles, number and type of errors as well as last error (Figure 15.1), where:

TC:000000000 - total counter of the machine;
Exx:000 - error number, number of times;
LE:xx - number of the last error;
SN:20-001 - serial number.

This menu can be accessed after the power is turned off. Press and hold the M button and turn the power on. After the display lights up and the alarm sounds, release the M button.

Pressing the button M again causes initial start of the machine.

16. Information Menu - Inputs

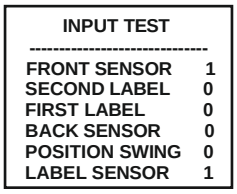


Figure 16.1

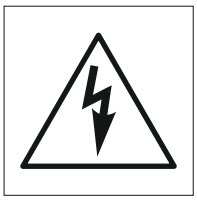
This menu allows testing of the sensors and the inputs of the controller (Figure 16.1), where 1 indicates an active sensor and 0 indicates inactive sensor. Below is a list of sensors:

FRONT SENSOR 1 - sensor front end position of the platform
SECOND LABEL 0 - sensor start second label /left/;
FIRST LABEL 0 - sensor start first label /right/;
BACK SENSOR 0 - sensor back end position of the platform
POSITION SWING 0 - sensor position of the moving arm;
LABEL SENSOR 1 - sensor gap between labels.

The menu can be accessed after the power is turned off. Press and hold the C button and turn the power on. After the display lights up and the alarm sounds, the button is released.

Pressing the button M again causes initial start of the machine.

17. Maintenance and cleaning



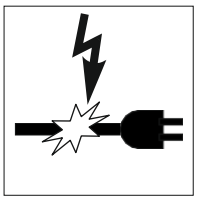
Attention! Risk of injury!
Always disconnect the plug from the socket before performing any work on the machine.
The labeling machine does not require any technical maintenance within the specified service life.
Clean the machine after finishing the job.
Use a brush or a dry cloth. Do not use solvents 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

18. 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.

19. Warranty

Below is the one-year limited warranty included with this Afinia product. Afinia prides itself on its outstanding product line and its technical support. If for some reason, your product fails, Afinia, a division of Microboards Technology, LLC, stands behind its warranties and assures you the best service possible in a quick and timely manner.

Afinia warrants to the original purchaser that this product is free from defects in material and workmanship.

Afinia will, for one year after warranty registration and at its option, repair or replace at no charge for parts and labor from the date you purchased the product from an authorized Afinia reseller. Consumables (i.e. printheads, ink cartridges, toner, drums, belts, maintenance modules) are covered by a DOA (Dead On Arrival) warranty upon installation.

- **Warranty registration must be completed within 30 days of receipt of the product in order to extend, at no charge, the standard 90-day limited warranty to one (1) year from date of purchase.**
- Afinia, a division of Microboards Technology, LLC, reserves the right to determine the validity of all warranty claims.
- Warranty is void if the product serial number has been altered or removed.
- Warranty is void if the product has been misused or damaged or if evidence is present that the product was altered, modified, or serviced by unauthorized service people.

The above stated warranty is exclusive and replaces all other warranties, express of implied, including those of merchantability and fitness for a particular purpose. Afinia, a division of Microboards Technology, LLC, will not be liable for any other damages or loss, including incidental or consequential damages and loss of profits or revenues from whatever cause, including breach of warranty or negligence.

This limited warranty is voided if the product fails to be properly maintained, or fails to function as a result of misuse. Misuse includes, but is not limited to, improper installation, neglect, duty cycle abuse, improper shipping, damage caused by disasters such as flood or fire, improper electrical current, and interaction with non-Afinia products. Damage caused by debris, contamination, or unauthorized service by anyone other than a Microboards authorized service center can result in the warranty being voided. Duty Cycle varies between product models. For specific duty limitations, call Afinia Technical Support at (952) 279-2643. This product has been thoroughly tested and inspected at the factory prior to shipment. Nevertheless, inspect your product completely for any damage or loss of parts that may have occurred during shipment. Notify the delivering carrier promptly if damage claims are to be filed.

Afinia reserves the right to modify or update its product without obligation to replace any equipment delivered prior to any such change.

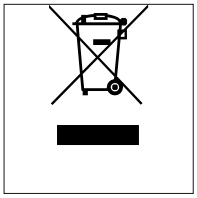
For more information or technical assistance, contact Afinia Technical Support:

support@afinia.com
952.279.2643

20. Transportation

Attention!
When transporting the machine always use original packaging to avoid damage.
Avoid tilting or tipping the machine.
Avoid water exposure during transport.

21. 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.

22. Regulatory Details

FCC Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

NOTE: Any changes or modifications to this equipment which are not expressly approved by the manufacturer could void the user's authority to operate this equipment.

CE Conformity

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.

23. Technical Support

For technical questions or support issues, contact Afinia Label Technical Support:

US:
PH: 952-556-1608
support@afinia.com
www.afinialabel.com/support

UK:
PH: +44 (0) 845 250 7949
support@afinia.co.uk
www.afinialabel.com/support

Please have the Serial Number of your Afinia AF200 Label Applicator available when contacting Technical Support.

Date of Purchase: _____

Place Purchased: _____

Serial Number: _____