



User manual

TX 2"/12-GM Cutter & Stacker

Rev.1

 **italora**

1 Revisions table

Version No.	Date	Revision description
0	22/06/2022	Overall update
1	04/07/2023	Graphics updated

2 Summary

1	REVISIONS TABLE	2
2	SUMMARY	3
3	TECHNICAL SPECIFICATIONS.....	4
4	PACKAGE CONTENTS.....	5
5	GENERAL DESCRIPTION	6
6	INITIAL INSPECTION	8
7	PRINT MEDIA LOADING AND WORKING PRINCIPLE.....	9
8	ACTIVATING THE CUTTER & STACKER	11
9	ADJUSTMENTS	12
	Stacker tray brake.....	12
	Label presser	12
10	ERROR MESSAGES.....	13
11	CLEANING AND MAINTENANCE	14
	Cutter.....	14
	Label presser	14
	Metallic and plastic parts	14
12	REPLACEMENT PARTS.....	15

**This manual only refers to the Cutter & Stacker device combined with the TX 2 "/>12-GM printer.
For the latter, refer to the appropriate manual available on our website www.italora.it**

3 Technical specifications

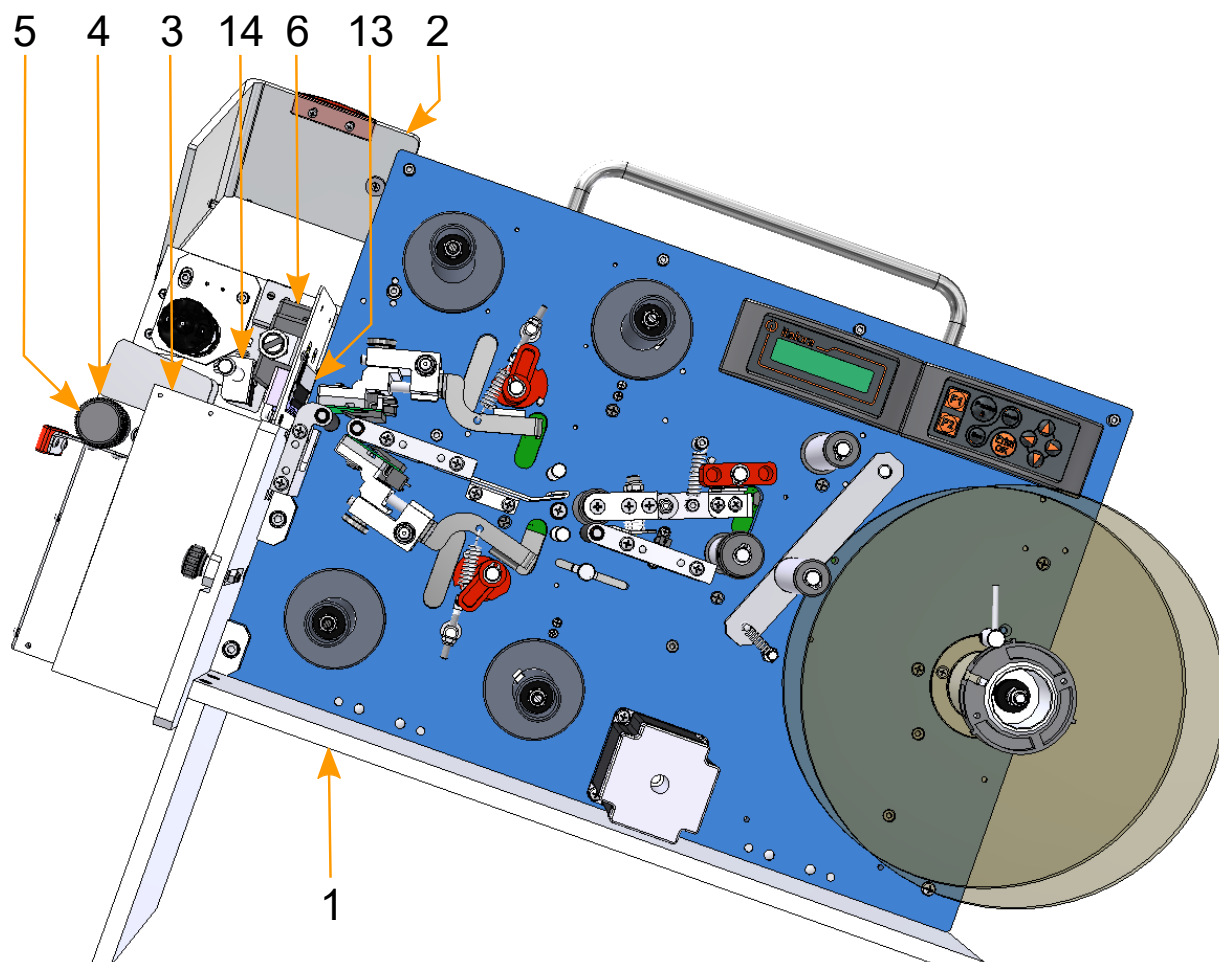
TX 2"/12-GM Cutter & Stacker	
Media types	continuous strips materials: polyamide nylon, polyester and satin thickness: 0.05 ÷ 0.2 mm
Media sizes	width 20 a 60 mm length 30 a 100 mm
Sensors	protection cage open maximum stacking height reached label presser cam
Average cadence	30 cut/minute this value can vary according to the printing speed and printed label length
Power requirements	115/230/240 VAC 50/60 Hz
Operating temperature and humidity	0/40°C - 10/95% non-condensing
Storage temperature	-20/60°C
Options	tray for print media wider than 40mm

4 Package contents

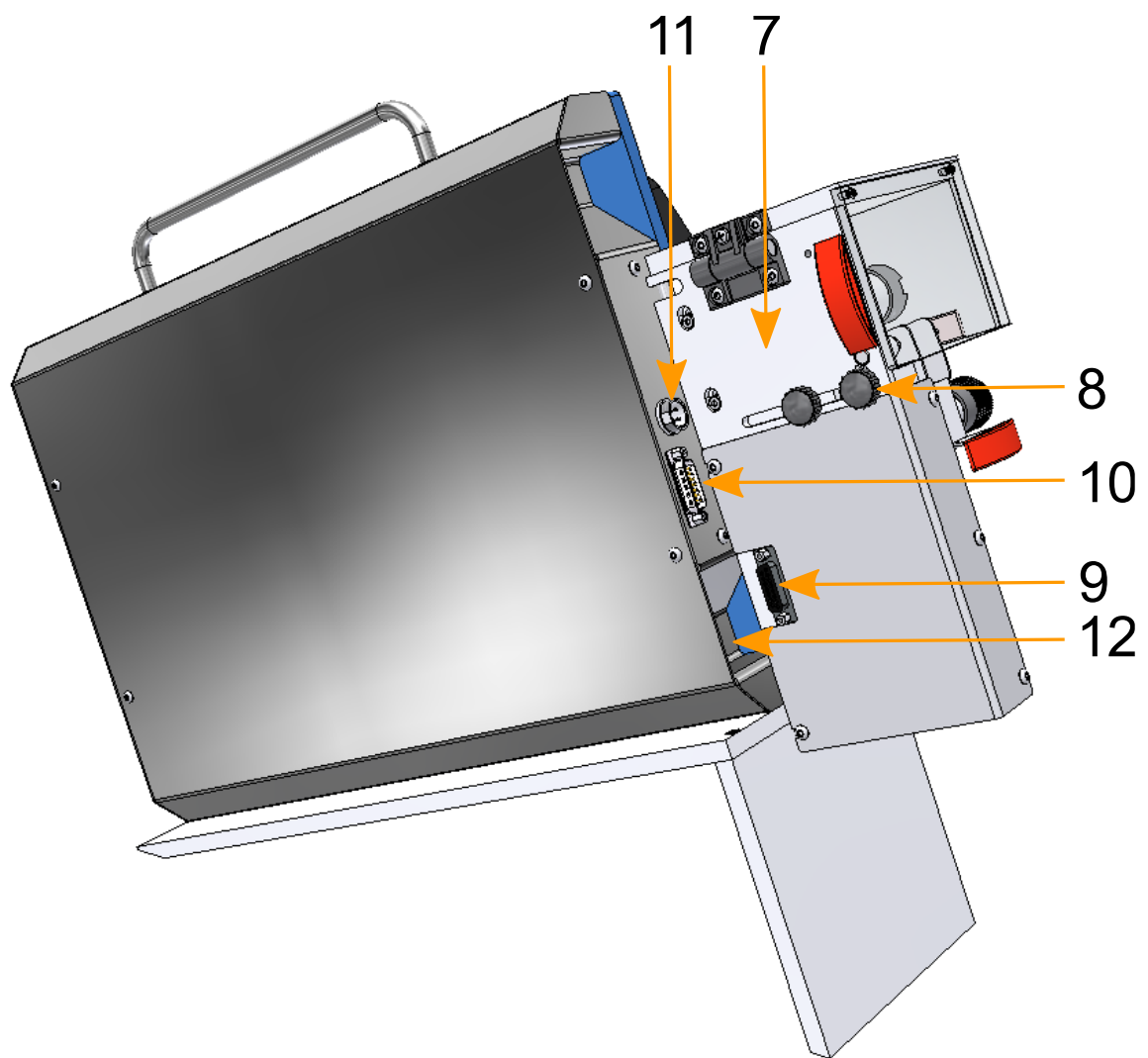
Check if the content of the package is the following:

- **italora** printer model **TX 2"/12-GM Cutter & Stacker**
- power cable
- RS232 serial cable
- USB cable
- 15 pin cable for Cutter & Stacker connection
- 6 pin DIN connector

5 General description



- 1 tilted base
- 2 protection cage
- 3 labels guide
- 4 stacker tray
- 5 stacker tray brake adjustment knob
- 6 cutter
- 13 antistatic brush
- 14 label presser



- 7 cutter/label presser support plate
- 8 cutter/label presser support plate position knobs
- 9 DB15 female connector
- 10 DB15 male connector
- 11 cutter plug
- 12 I/O signals DIN6 plug

6 Initial inspection

Proceed with print media loading referring to the “Print media loading and working principle” chapter.

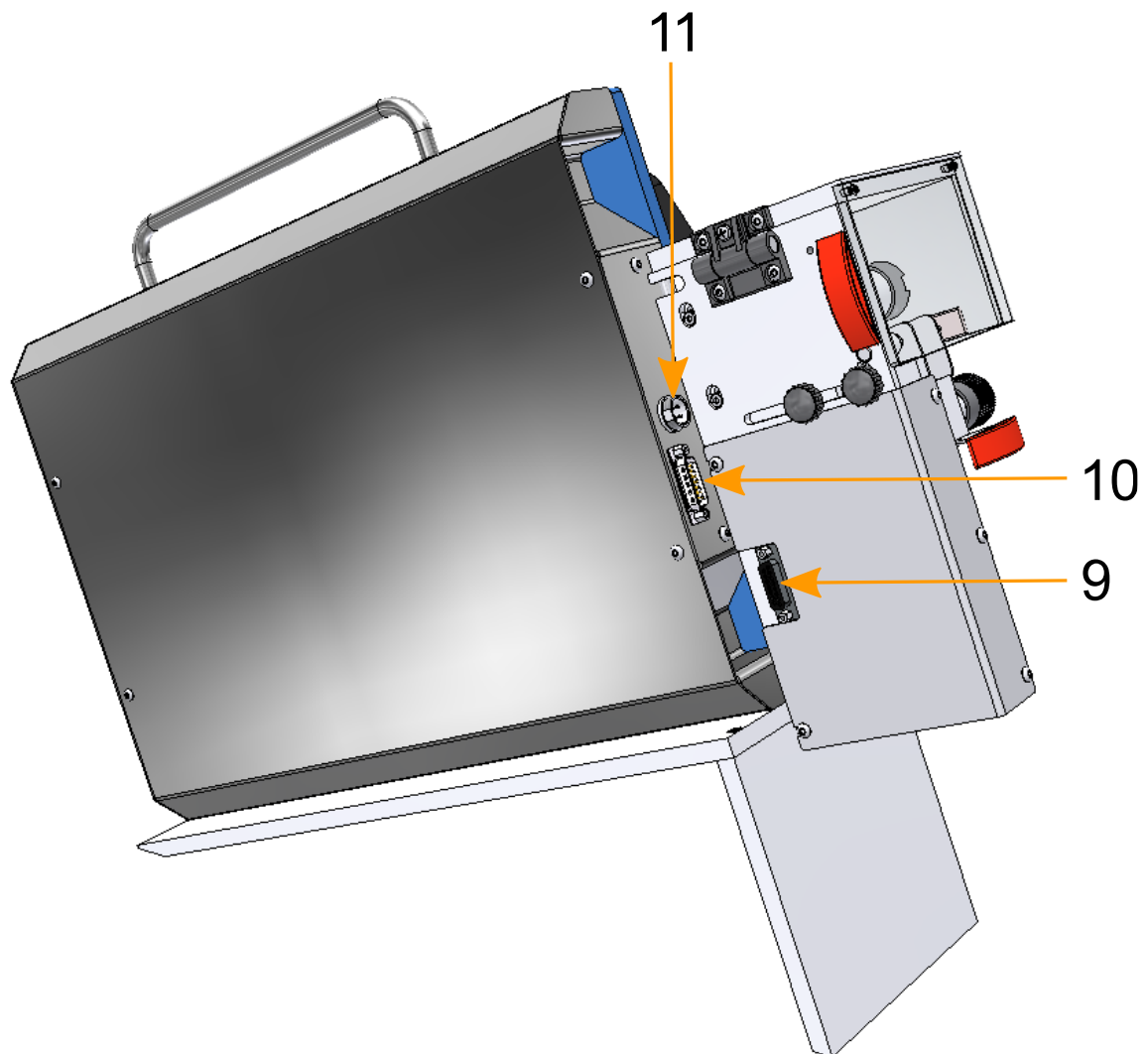
Check the connection between the DB15 connector #10 on the printer and the DB15 connector #9 of the Cutter & Stacker and also the connection of the round 4 pin connector of the Cutter & Stacker with the printer.

Connect the printer to a computer and to the power. Power on the printer using the switch near the mains power connector: the LCD will light up white meaning that the printer is ready.

Press the print to print a test label with the main parameters and information of the printer.

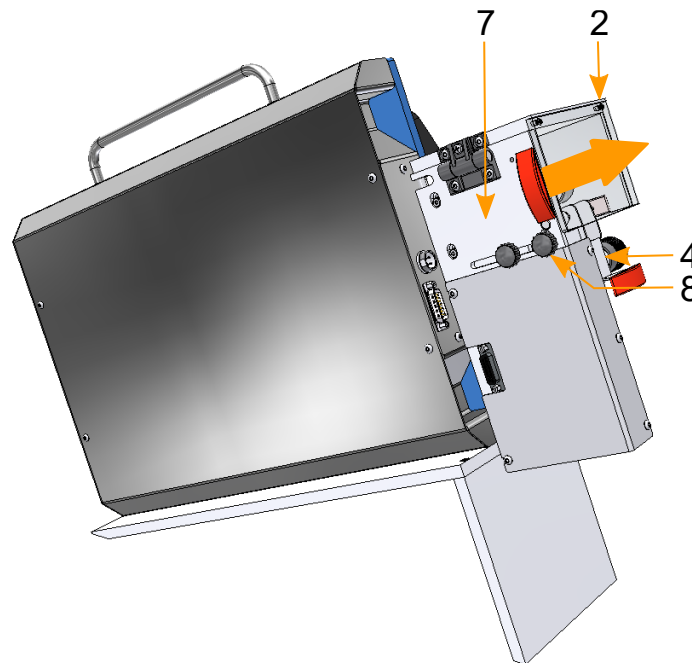
By sending data from a computer, a label will be printed.

Press the print key to reprint the last label sent.

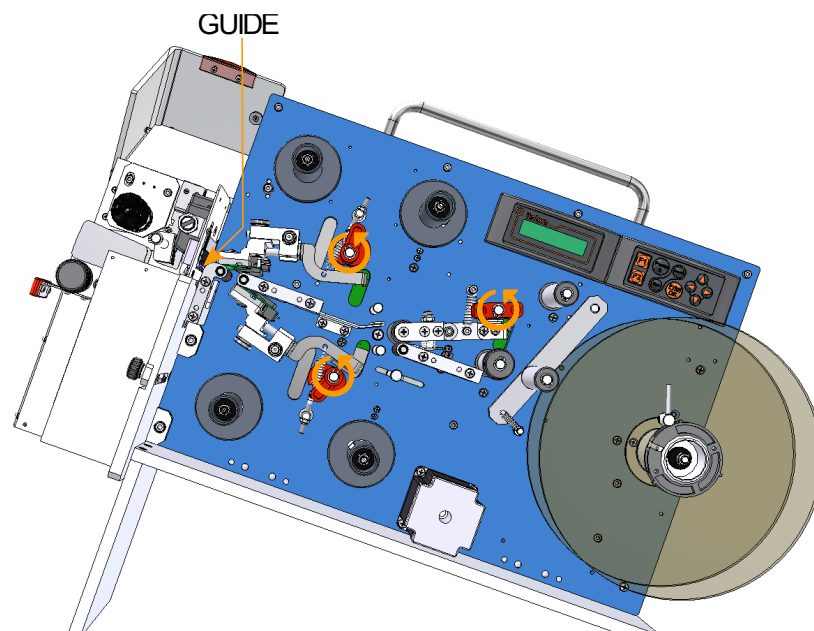


7 Print media loading and working principle

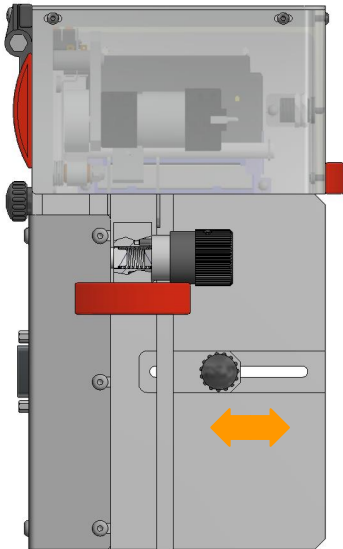
- Loosen the two knobs #8 and pull the cutter/label presser support plate #7 with the red handle, in the direction of the arrow, as far as it will go.
Lightly tighten the two knobs #8 to secure the plate in the loading position.
- Open the cage #2 by pulling it upwards with the red handle. As this cage is equipped with a magnet, it is necessary to apply sufficient force to release it.
When the cage is open, a safety switch will prevent the Cutter & Stacker from working.



- Insert the print media in the guide of the cutter under the antistatic brush, making it come out from the opposite side by at least 30mm.
To facilitate this operation, the three red cams of the printer can be turned counterclockwise to raise the printheads and the pressure roller, to be able to freely pull the print media.
NB: at the end of this operation, it is necessary to lower the printheads and the pressure roller in order to print correctly. This can be done by rotating the three red cams in clockwise direction.



- Loosen again the two knobs #8 and push the cutter/label presser support plate #7 with the red handle as far in as it will go.
 - Move up the stacker tray #4 using the appropriate red handle.
 - Close the cage #2 with the appropriate red handle until it's held in place by the magnet.
 - Adjust the label guide by loosening the knob and moving it towards the print media, taking care of not blocking it and leaving some extra space.
- Once the optimal position is found, tighten the knob.
- NB: for print media wider than 40mm, the optional extended stacker tray is available.



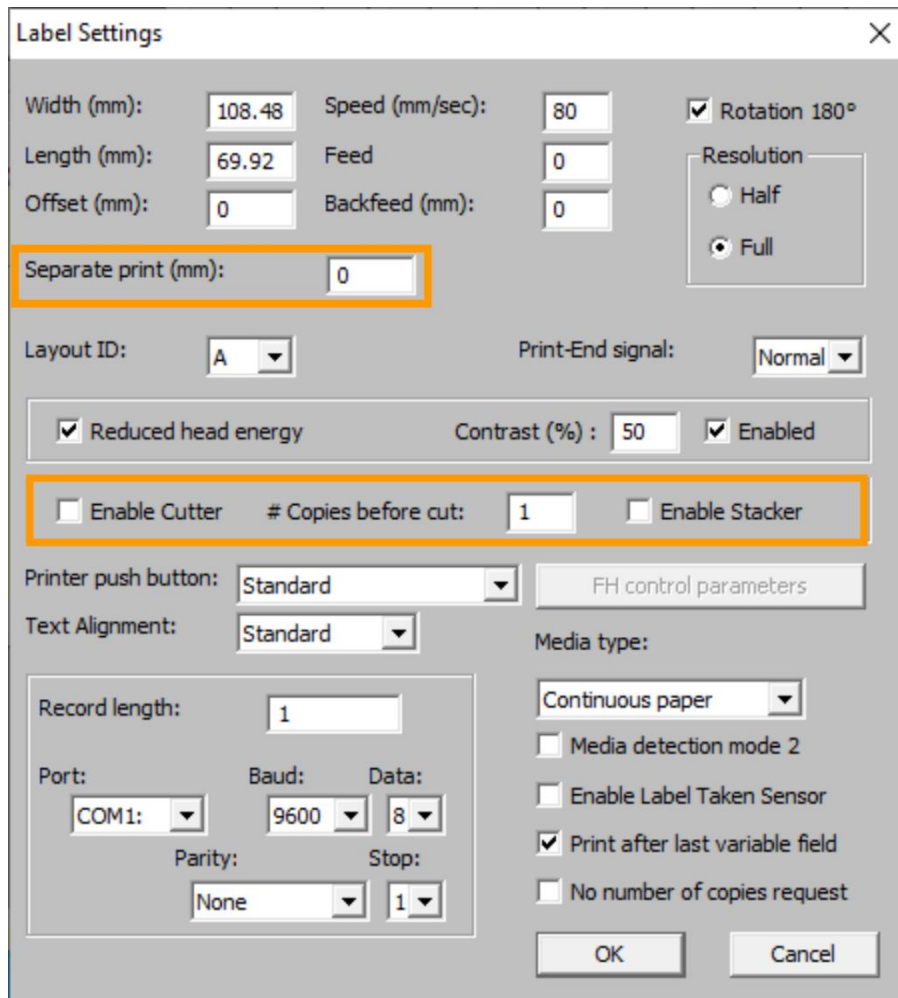
- Activate the cutter & stacker referring to the chapter “Activating the Cutter & Stacker”.
 - Make a few test prints before starting production.
 - If necessary, adjust the stacker brake referring to the chapter “Adjustments - Stacker tray brake”.
 - Once the maximum height of stacked labels has been reached (about 100mm), the printer display will light up red and the message "WARNING Stacker End" will appear.
- Remove the stacked labels and raise the stacker tray #4 to the top using the appropriate red handle and press the Print/OK button on the printer for about 2 seconds to resume the normal work cycle.

8 Activating the Cutter & Stacker

The Cutter & Stacker can be activated through our ETIK labelling software by enabling the two boxes in the Label-Settings panel (function key F11) as shown in the images below or through the software command **?43&2,800** (refer to the programming manual).

To make the Cutter & Stacker cutting point coincide with the graphic coordinate Y=0, set the print subdivision parameter to 27mm or use the **?A9&324** command (refer to the programming manual). It may be necessary to slightly vary the suggested value due to mechanical tolerances.

You can download the free Light version of ETIK directly from our website www.italora.it



Label Settings

Width (mm): 108.48 Speed (mm/sec): 80 Rotation 180°

Length (mm): 69.92 Feed: 0 Resolution: Half

Offset (mm): 0 Backfeed (mm): 0 Full

Separate print (mm): 0

Layout ID: A Print-End signal: Normal

Reduced head energy Contrast (%): 50 Enabled

Enable Cutter # Copies before cut: 1 Enable Stacker

Printer push button: Standard FH control parameters

Text Alignment: Standard

Record length: 1

Media type: Continuous paper

Port: COM1 Baud: 9600 Data: 8

Parity: None Stop: 1

Media detection mode 2

Enable Label Taken Sensor

Print after last variable field

No number of copies request

OK Cancel

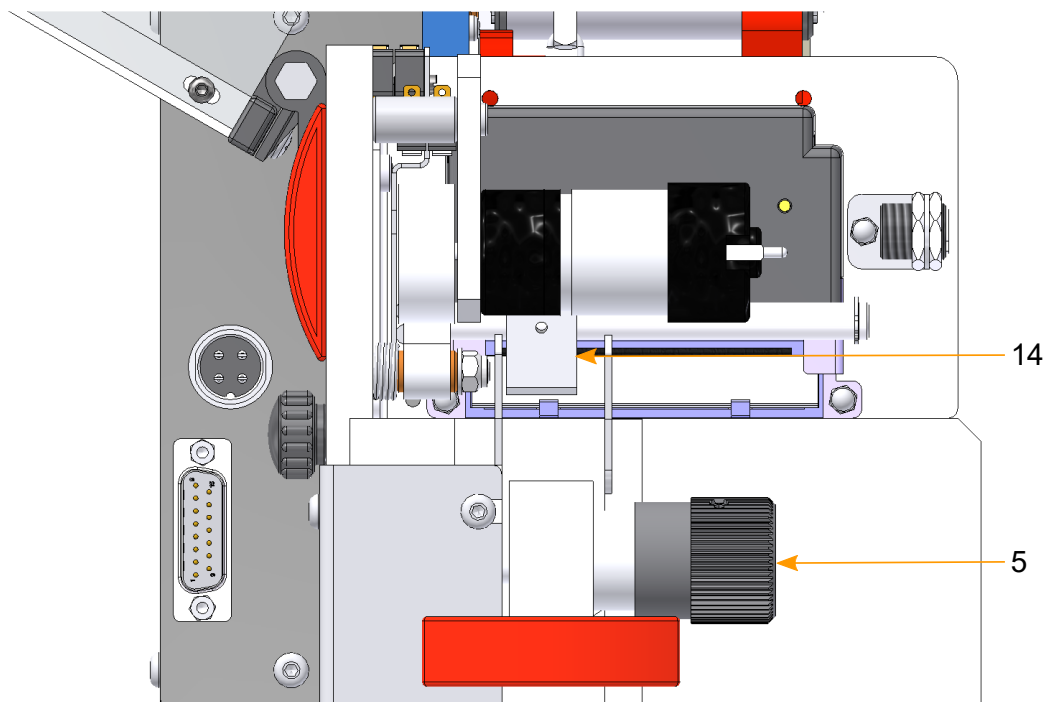
9 Adjustments

Stacker tray brake

The Cutter & Stacker is equipped with a graduated knob #5 to adjust the strength of the stacker tray brake which supports the stacked labels. Depending on the type of material used and the size of the cut labels, it may be necessary to increase the braking force by turning the knob clockwise, to prevent the weight from lowering the tray, or to decrease it, by turning the knob counterclockwise, to prevent excessive effort from blocking the device that stacks the labels after cutting.

Label presser

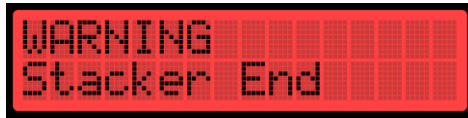
The label presser #14 is adjustable in both its inclination and horizontal position by means of a screw. It should be positioned approximately in the center of the label or in the position identified as most suitable for the optimal operation of the device.



10 Error messages

The following error messages may appear on the printer display, which will turn red, in these cases:

WARNING Stacker End



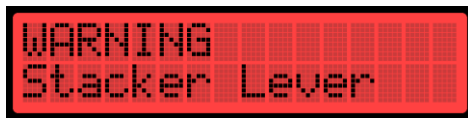
when the maximum height of stacked labels is reached.

To restore:

Remove the stacked labels and raise the stacker tray #4 to the top.

Press the Print/OK button on the printer for about 2 seconds to resume the normal work cycle.

WARNING Stacker Lever



when the cam that operates the "label presser" has not returned to the home position.

To restore:

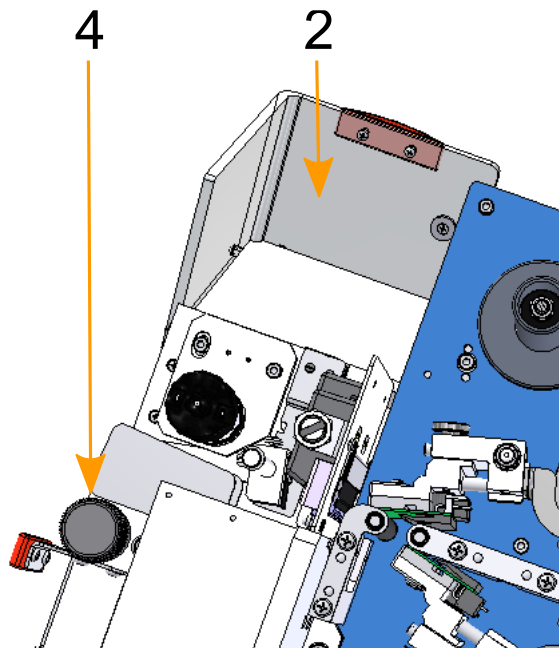
Open cage #2 by pulling it upwards with the red handle. A safety switch will prevent the Cutter & Stacker from operating so it can be worked on safely.

Manually check that there are no obstructions by moving the labels presser arm.

Check that the tray that supports the cut labels is not excessively braked.

If necessary, turn the adjustment knob counterclockwise, referring to "Adjustments - Stacker tray brake" chapter.

Close the cage and press the Print/OK button on the printer for approximately 2 seconds to resume normal work cycle.



11 Cleaning and maintenance

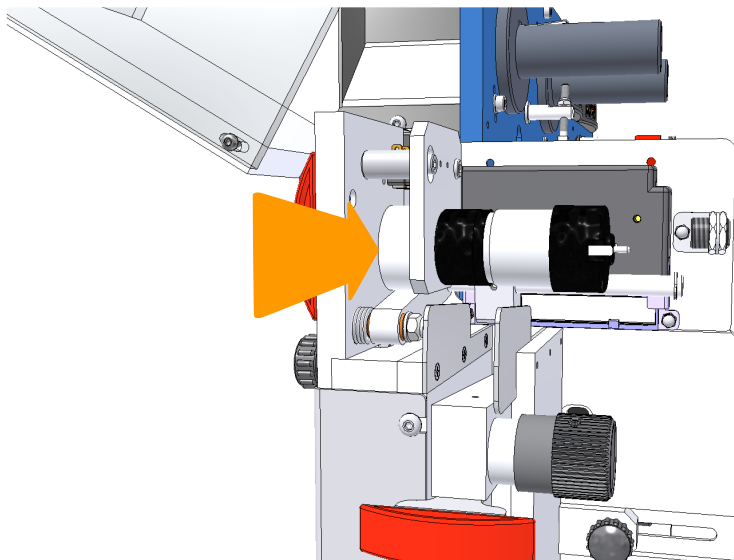
If the printer is not used for prolonged periods of time, it is recommended to turn it off and lift the printhead assemblies and the pressure roller to avoid damaging the print rollers and the driving roller.

Cutter

Turn off the printer and remove any remains of cut material.
Never use metal or sharp tools, as they could cause irreparable damage to the cutter.

Label presser

Clean and lubricate the cam as shown in the picture.



Metallic and plastic parts

Use a soft cloth moistened with a detergent.
Do not use solvents or thinners.

12 Replacement parts

#	Code	Description
1	PM1W81092526000	cutter assembly 53
2	810822460	antistatic brush
3	810822450	presser antistatic brush
4	810722030	stacker tray brake
5	800742250	stacker tray brake spring
6	810822440	graduated knurled knob
7	810762110	red handle
8	800742120	label presser arm spring
9	810822430	label presser motor
10	810722050	label presser cam
11	QS01284090	microswitch
12	800927900	knob assembly M5x16
13	PM3S80082267000	cage hinge
14	PM3R81076210000	transparent cage
15	PLNE80162225000	magnet

