

CIP Training

Plockmatic
LCT3500
Large Capacity Tray

Operators Guide

RICOH
imagine. change.

PLOCKMATIC



LCT3500 Large Capacity Tray
for Ricoh

CIP Training Plockmatic LCT3500 Large Capacity Tray

Introduction

Introduction

This manual contains instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Keep this manual in a handy place near the machine.

Please read the Safety Information before using this machine. It contains information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

How to Read This Manual

Notation Conventions

Whenever necessary, the following points for attention are indicated in this manual.

WARNING:

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

CAUTION:

Indicates a situation which could result in minor or moderate injury or damage to machine or property.

NOTE:

This sign refers to:

- *Remarks for making the operation much easier. You get practical hints or knowledge to assist you in the machine operation such as:*
- *Preparations required before operating*
 - *How to prevent papers from being misfed or damaged*
 - *Precautions required or actions to take after misoperation*
- *Limitations like numerical limits, functions that cannot be used together or conditions, under which a particular function cannot be used or obtained.*
- *Information.*

[]

Keys that appear on the machine's display panel.

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Introduction

Safety Information

When using this machine, following safety precautions should always be followed.

Safety During Operation

WARNING:

- To avoid hazardous situations like for instance electric shock or danger while exposed to moving, rotating or cutting devices, do not remove any covers, guards or screws other than those specified in this manual.
- Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following conditions exists:
 - You drop objects or spill something into the equipment.
 - You suspect that your equipment needs service or repair.
 - Your equipment's covers has been damaged.
 - You notice unusual noises or odours when operating the equipment.
 - If the power cable or plug becomes worn out or otherwise damaged.
 - Before cleaning and care (unless otherwise specifically instructed).
- Electromagnetic compliance:
 - This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
 - The product (System) which is connected to this machine will be class A.

General Safety

WARNING:

- Always connect the equipment to a properly grounded power source (wall outlet). If in doubt, have the power source checked by a qualified electrician.
- Improper grounding of the equipment can result in electrical shock. Never connect the machine to a power source that lacks a ground connection terminal. This machine is destined for specific purpose only. Any use going beyond this specific purpose is regarded as beyond the determination. The manufacturer will not be liable for damages resulting from any use beyond the determination, unallowed operation, respectively. The user alone bears the risk.
- Do not make arbitrary changes or modifications to the machine. The manufacturer will not be liable for modifications made at the machine on your own and damages resulting thereof. EC declaration of conformity and the mark CE will be invalidated, if you make changes at the machine or at the individual components.
- Do not override or bypass electrical or mechanical interlock devices.
- The machine is to be used only by authorized and instructed persons. The responsibilities on operating the machine have to be strictly laid down and observed so that there are no unclear competencies regarding safety aspects.
- Vent holes serve for air circulation to protect the machine from overheating. Make sure that the holes are not covered.
- Do not expose fingers or other parts of the body to moving, rotating or cutting devices such as for instance between upper and lower trimmer knives.
- Always locate the equipment on a solid support surface with adequate strength for the weight of the machine.

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Introduction

CAUTION:

- The machine and its peripherals must be installed and maintained by a customer service representative who has completed the training course on those models.
- Always follow all warnings marked on, or supplied with, the equipment.
- When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).
- Disconnect the power cord before you move the machine. While moving the machine, always exercise care and make sure that the power cord will not be damaged under the machine.
- Always contact service if relocating the equipment.
- Do not move the machine while the machine is running.
- Do not open covers while the machine is running.
- Do not switch off the power while the machine is running. Make sure the machine cycle has ended.
- Lay the power cord in a way that nobody will stumble over it. Do not place things on the cord.
- Never attempt any maintenance function that is not specifically described in this documentation.
- Always keep magnets and all devices with strong magnetic fields away from the machine.
- If the place of installation is air-conditioned or heated, do not place the machine where it will be:
 - Subject to sudden temperature changes.
 - Directly exposed to cool air from an air-conditioner.
 - Directly exposed to heat from a heater.
- If the machine is not used over an extended period of time it should be unplugged to prevent damage in the case of overload.

NOTE:

- *The operator manual always has to be available at the place of use of the machine.*
- *In the interest of technical development the company reserves the right to make alterations to specifications without prior notice!*

CIP Training Plockmatic LCT3500 Large Capacity Tray

What You Can Do With This Machine



The Plockmatic LCT3500 Large Capacity Tray is a newly engineered option for Ricoh Production printers. The LCT attaches inline and is compatible with multiple Ricoh printers and downstream modules.

The design of the Plockmatic LCT is tailored specifically to complement Ricoh printing systems and provides features that set Ricoh systems apart from their competitors.

The LCT utilizes the latest Plockmatic vacuum feed technology for efficient paper feeding and is equipped with a state of the art touchscreen UI.

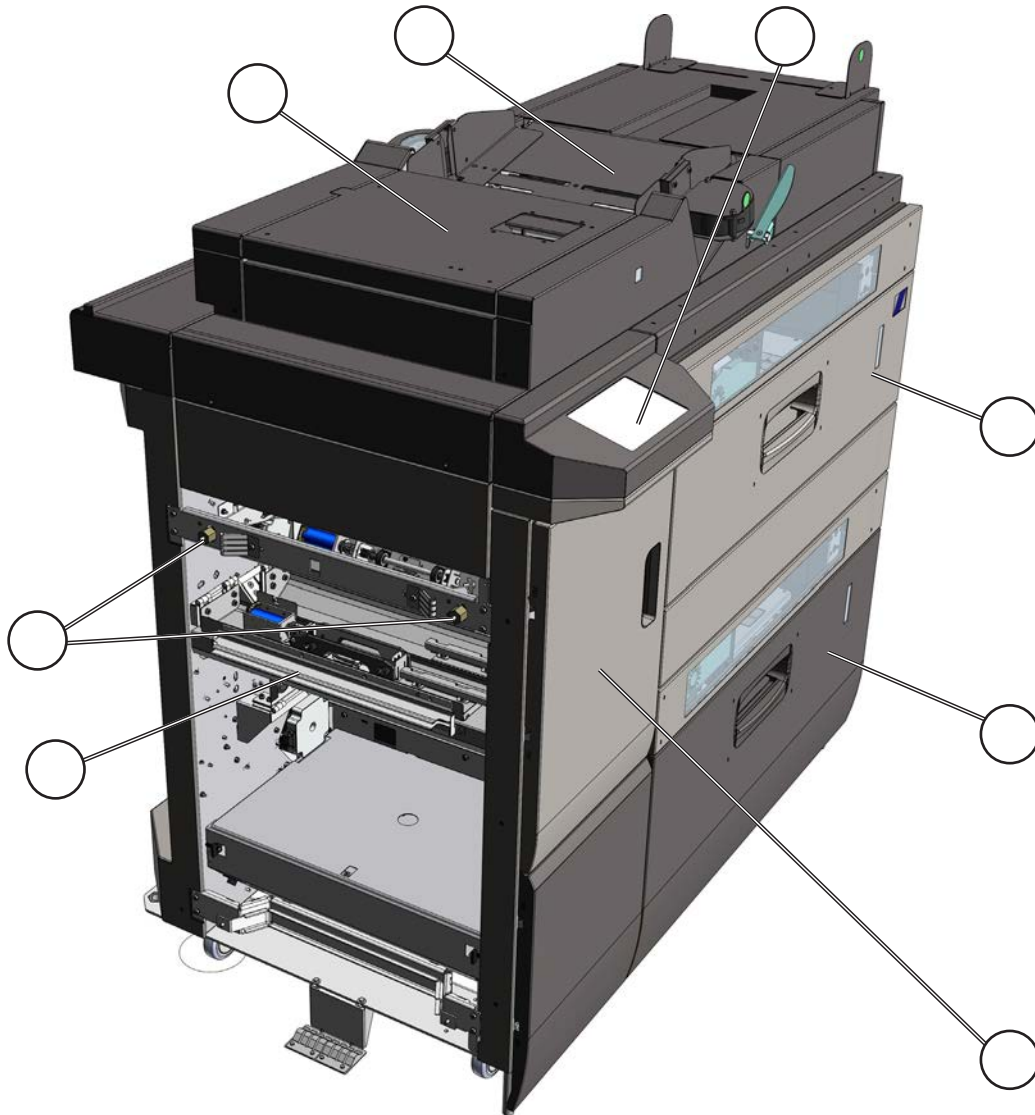
The LCT contains two paper trays and a LSM (Long Sheet Module), which allows for custom sequencing of sheets from three different sources (the two trays and the LSM).

The Plockmatic LCT effectively widens the range of media types/sizes that Ricoh systems can handle. The LCT can reliably feed media all the way up to 400 gsm.

The LCT integrates seamlessly with the Ricoh printing systems and is setup and controlled either from the Ricoh printer User Interface or from the Fiery controller if a Fiery is available in the configuration.

Guide To Components

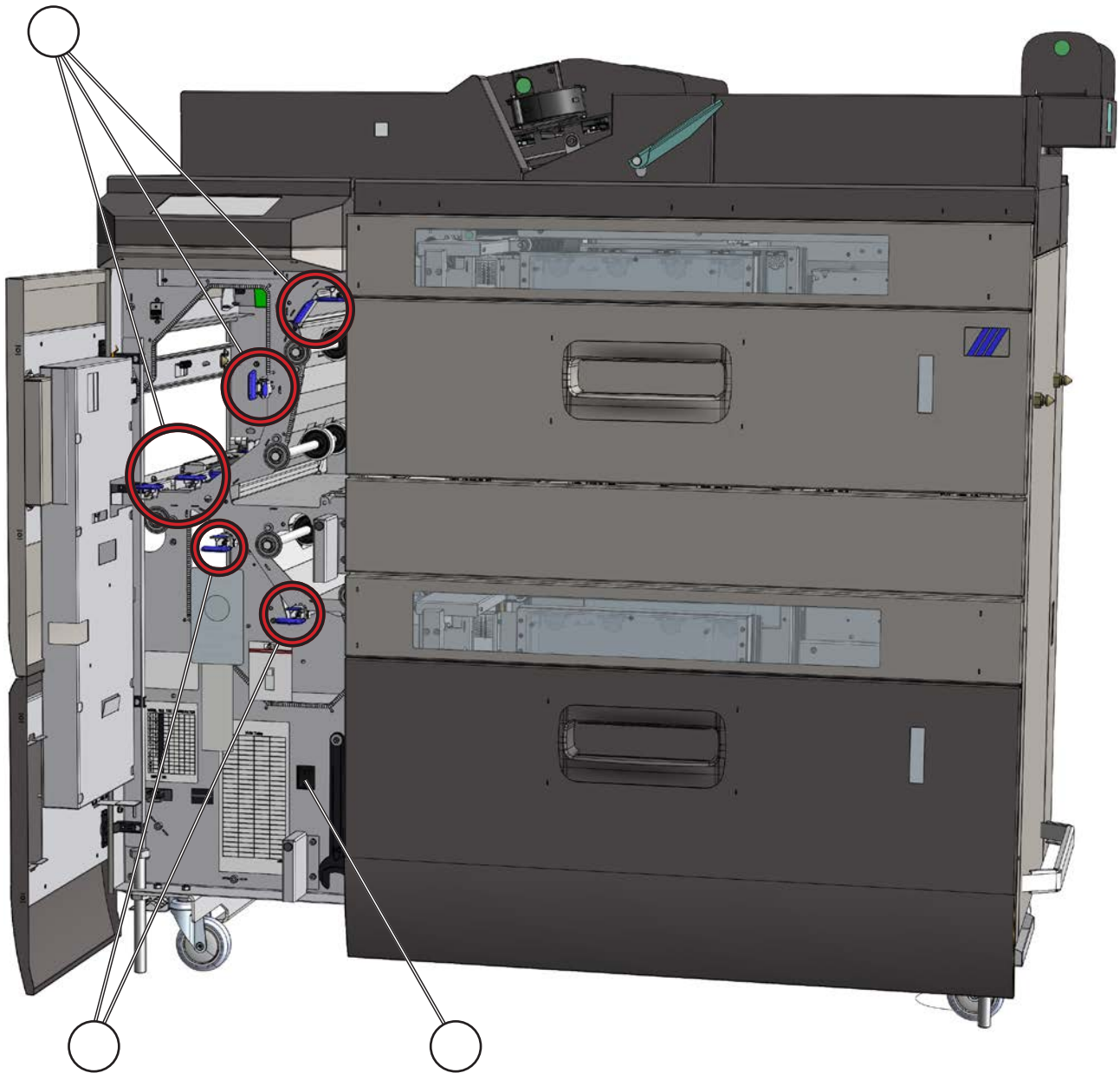
Exterior



1. Exit Area
2. Docking Pin
3. Top hatch
4. Long Sheet Module (LSM)
5. User Interface (UI)
6. Upper Tray / Tray 3 (Tray 1 in Printer)
7. Lower Tray / Tray 4 (Tray 2 in Printer)
8. Front Door (Jam clearance door)

CIP Training Plockmatic LCT3500 Large Capacity Tray

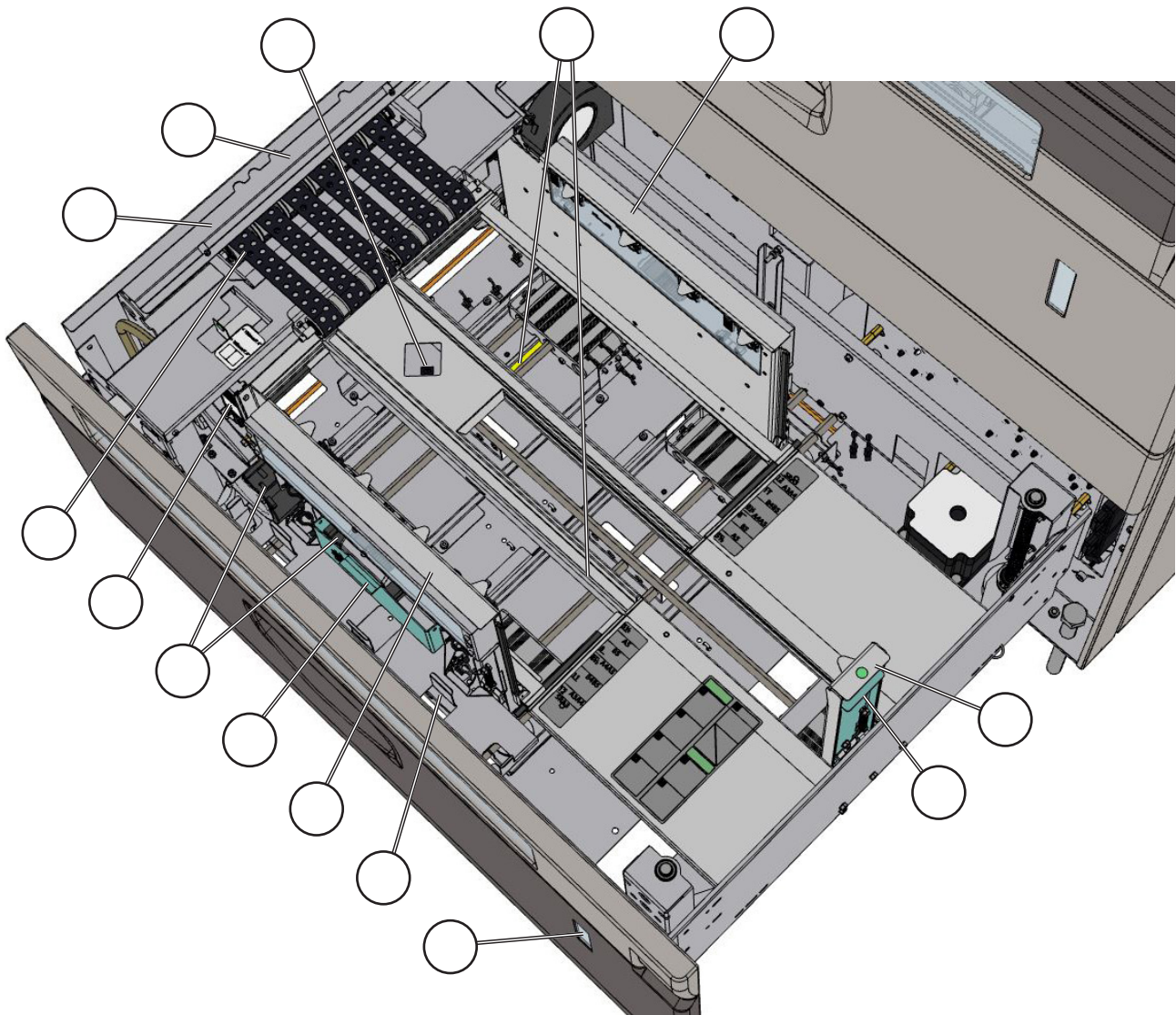
Vertical Paper Path and Exit



- 9. Jam Clearance Baffles (8x blue handles)
- 10. Power Switch

CIP Training Plockmatic LCT3500 Large Capacity Tray

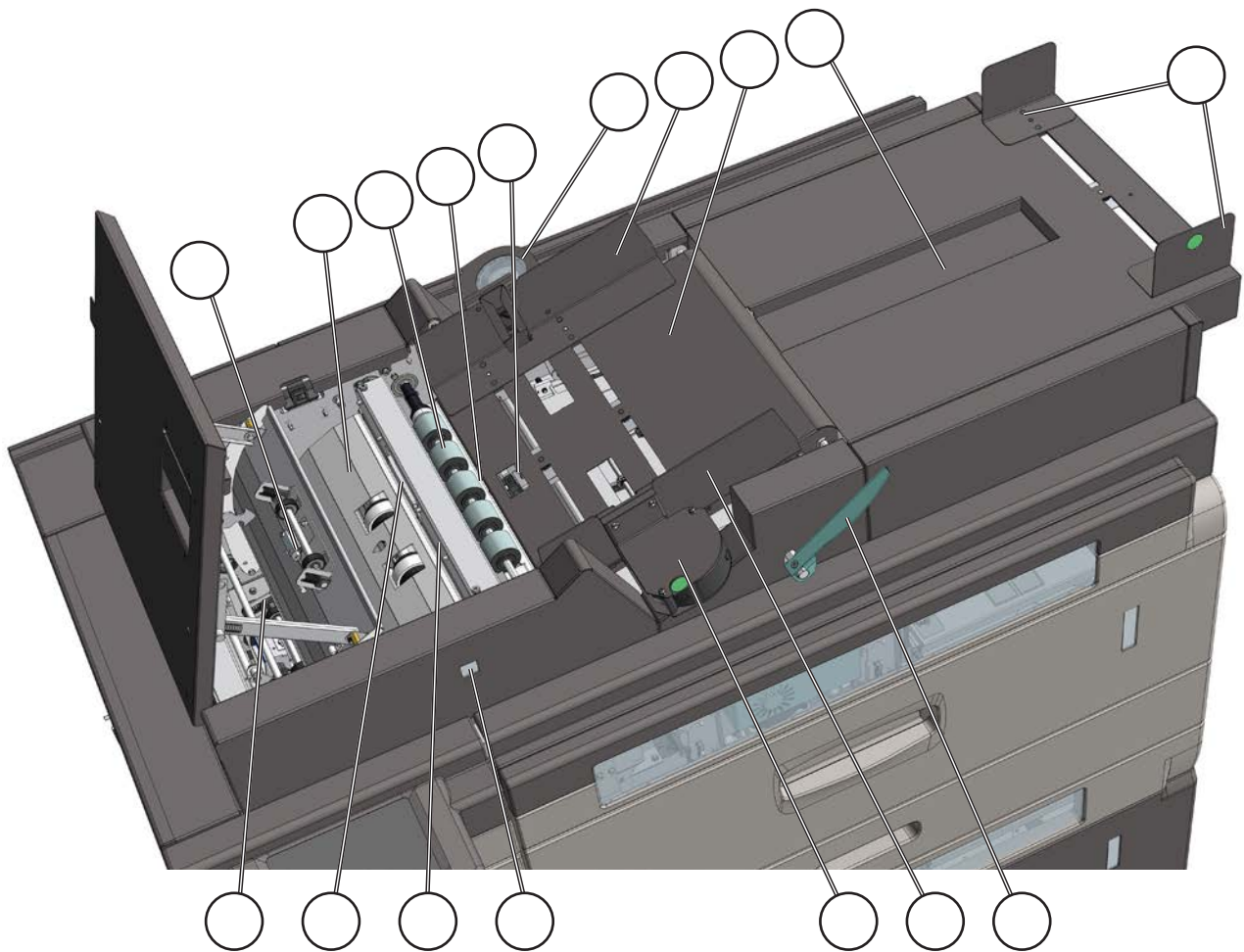
Tray Assembly



11. Paper Guide Lock Release
12. Paper Guide Fans (2x on each side)
13. Vacuum Feed Belts
14. Optical Double Sheet Detection (DSD) Sensor (Q101/201)
15. Ultrasonic Double Sheet Detection (Q102/202)
16. Tray Empty Sensors (Q105/205)
17. Rear Paper Guide (RPG)
18. RPG Lock Release
19. SP Sensor (Process Position Sensor)
20. Paper Guides
21. Wide Paper Support Holders
22. Tray Status LED
23. Linear Position Sensors (width and length sensors)

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Long Sheet Module (LSM)



24. Handle, tray
25. Fans
26. Side guides, tray
27. Tray extension
28. Side guides, tray extension
29. Sensor, tray empty (Q505)
30. Sensor, paper path (Q521)
31. Sensor exit (Q522)
32. Paper path
33. Feed roller
34. Separation pad
35. Ultrasonic Double Sheet Detection (Q502)
36. Optical Double Sheet Detection (DSD) Sensor (Q501)
37. LSM Status LED
38. Tray A

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User Interface

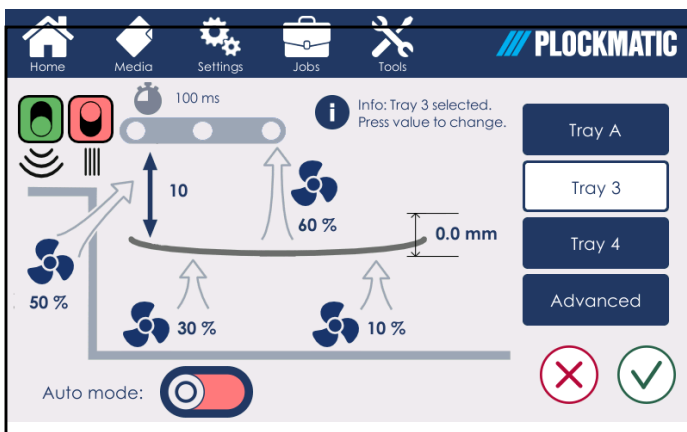
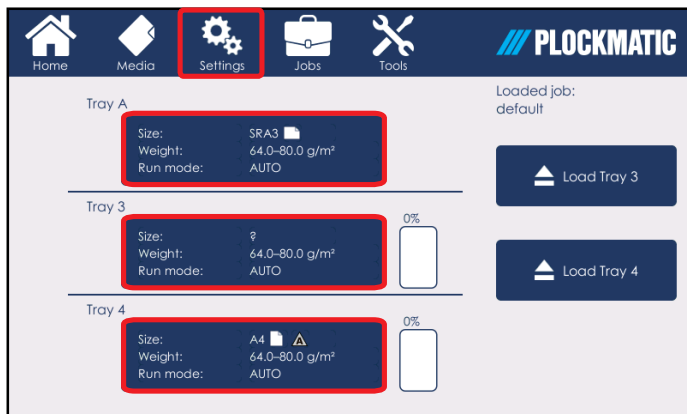
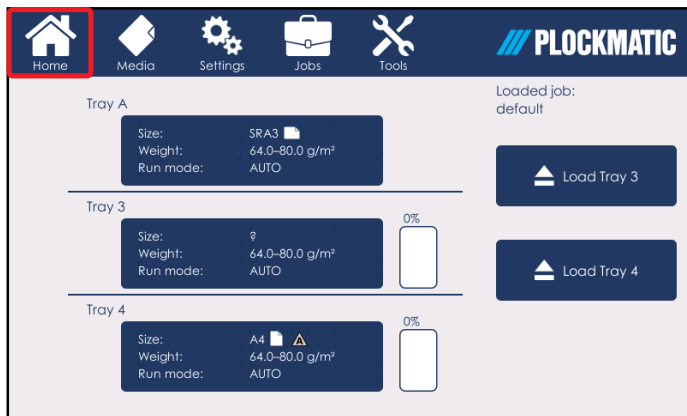
The Plockmatic LCT has a User Interface (UI) / Control Panel which allows for viewing or adjusting local machine settings and properties. In other configurations where the LCT is connected to a downstream printer or device, setting up a job will be handled via the UI of the downstream device.

NOTE:

Depending on modules and features installed, the screen may look different from what you see here. Some functions are greyed out or not visible at all and the remaining buttons may stretch to fit the screen. This manual will most often show a fully configured system.

Control Panel

The control panel is of touch screen type. Point at the screen and press the "button" to reach the desired function or change the desired setting.



Main Menu

When the system power is switched on, the Main Menu is shown. From the Main Menu one can access the Media, Settings, Jobs and Tools sub-menus from the top ribbon interface. The main menu on the User Interface displays a summary of the main info for each of the three trays. The summaries will show the amount of paper in the trays in percentage form, the type of paper and its orientation, the loaded job (on the top right corner) and if the tray is running in auto settings or not (see "status icons" in this manual for further information). It also has buttons which allow the user to unlock the trays for paper loading. Selecting [Home] (the house icon) from any sub-menu will bring the user back to the Main Menu.

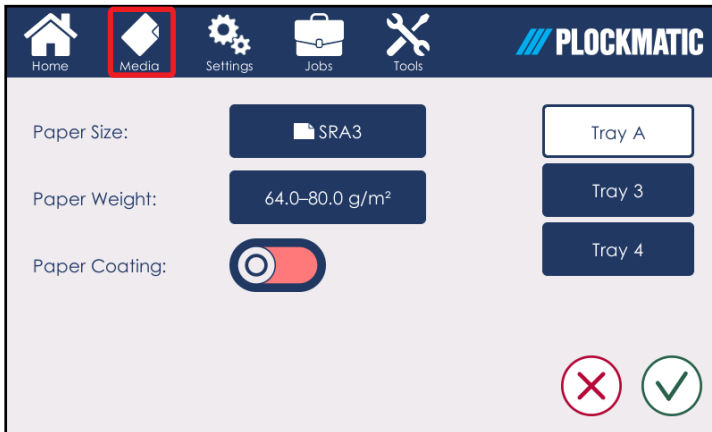
Settings

Pressing [Settings] from the Main Menu or the settings icon on the top ribbon opens the Settings sub-menu. From here you can view and/or modify performance parameters.

See Section 2 for a detailed description of each Setting.

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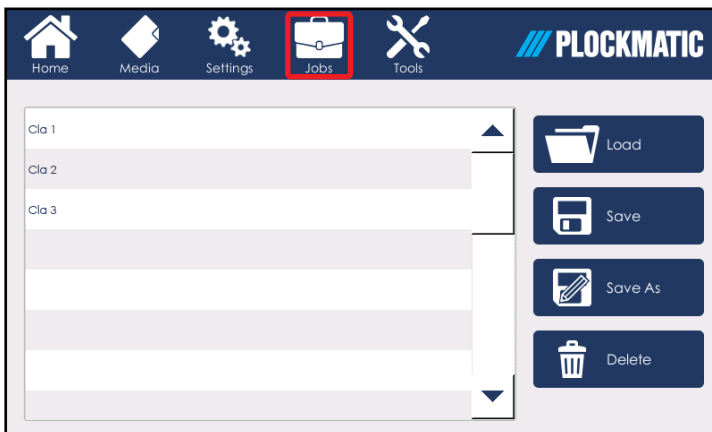
User Interface



Media

Pressing the [Media] button from the Main Menu opens the Media sub-menu. From this sub-menu the user can specify the type of media loaded in the machine (trays and Long Sheet Module).

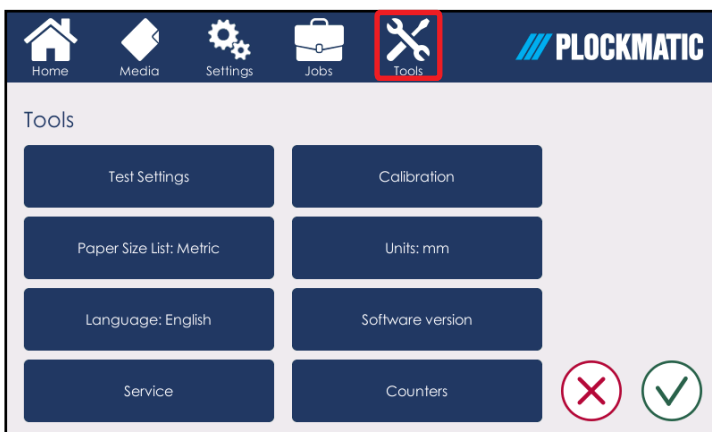
Please see Section 2 of this manual for a detailed description of how to set up a job.



Jobs

The Job sub-menu allows for programming of jobs.

See Section 4 for a detailed description of the Jobs sub-menu.



Tools

Pressing [Tools] from the Main Menu opens the Tools sub-menu. From this sub-menu the user can modify parameters such as Units and Language.

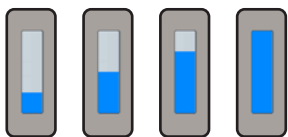
This sub-menu also allows the user to test the manual settings, change paper size lists, units and languages, enter service mode, calibrate sensors, check the Software version and view the counters.

See Section 3 for a detailed description of each sub-menu within the Tools sub-menu.

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Status LEDs

The LCT trays and the optional LSM module are equipped with status LEDs. Below is a short explanation of the state colors.



Blue LEDs:

Loaded paper level:
25%, 50%, 75% or
100%

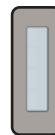


Yellow LEDs: Tray
low on paper.

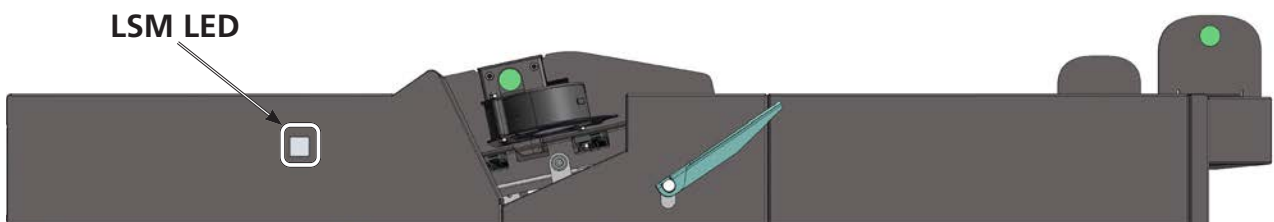


Red LEDs:

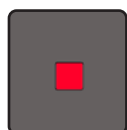
- Out of paper;
- Paper jam.



LEDs off: Tray
not in use



Blue LED:
Paper loaded



Red LED:

- Out of paper;
- Paper jam.



LED off: LSM
not in use

Basics

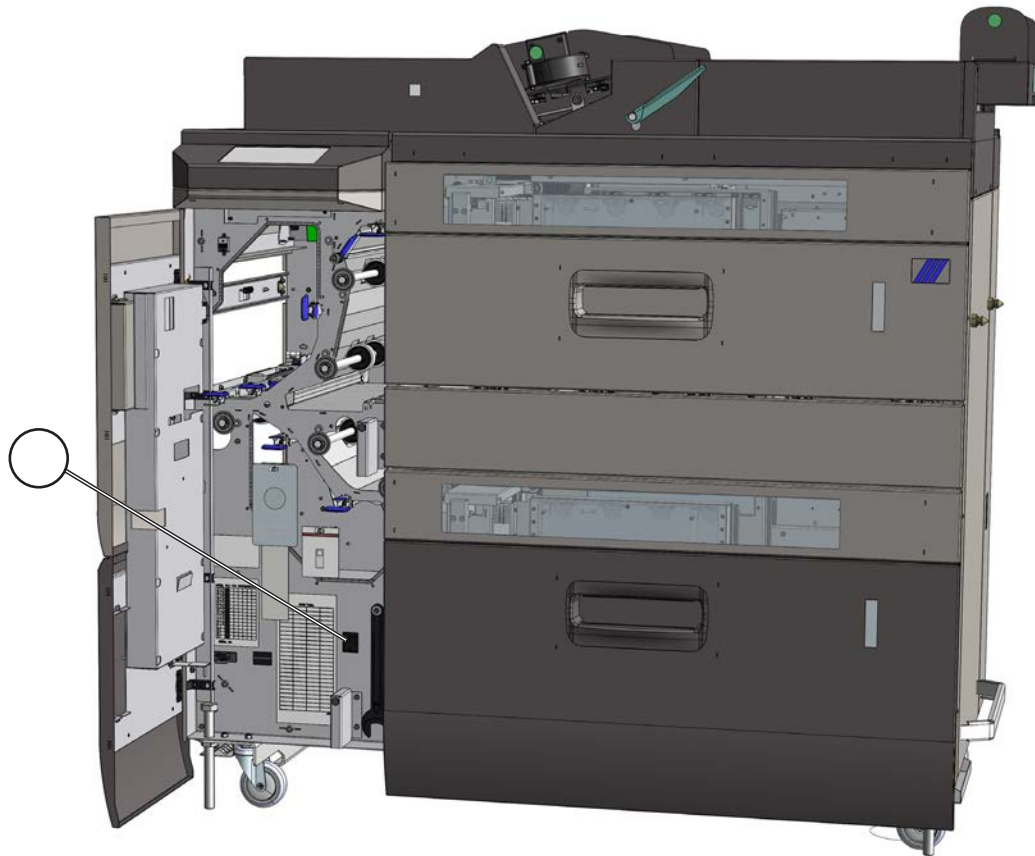
Turning On / Off the Power

Main Power Switch



- 11 Ensure that the main power cord is plugged into the wall and to the back of the LCT;
- 22 Make sure the two termination plugs are plugged in, as shown in the picture;

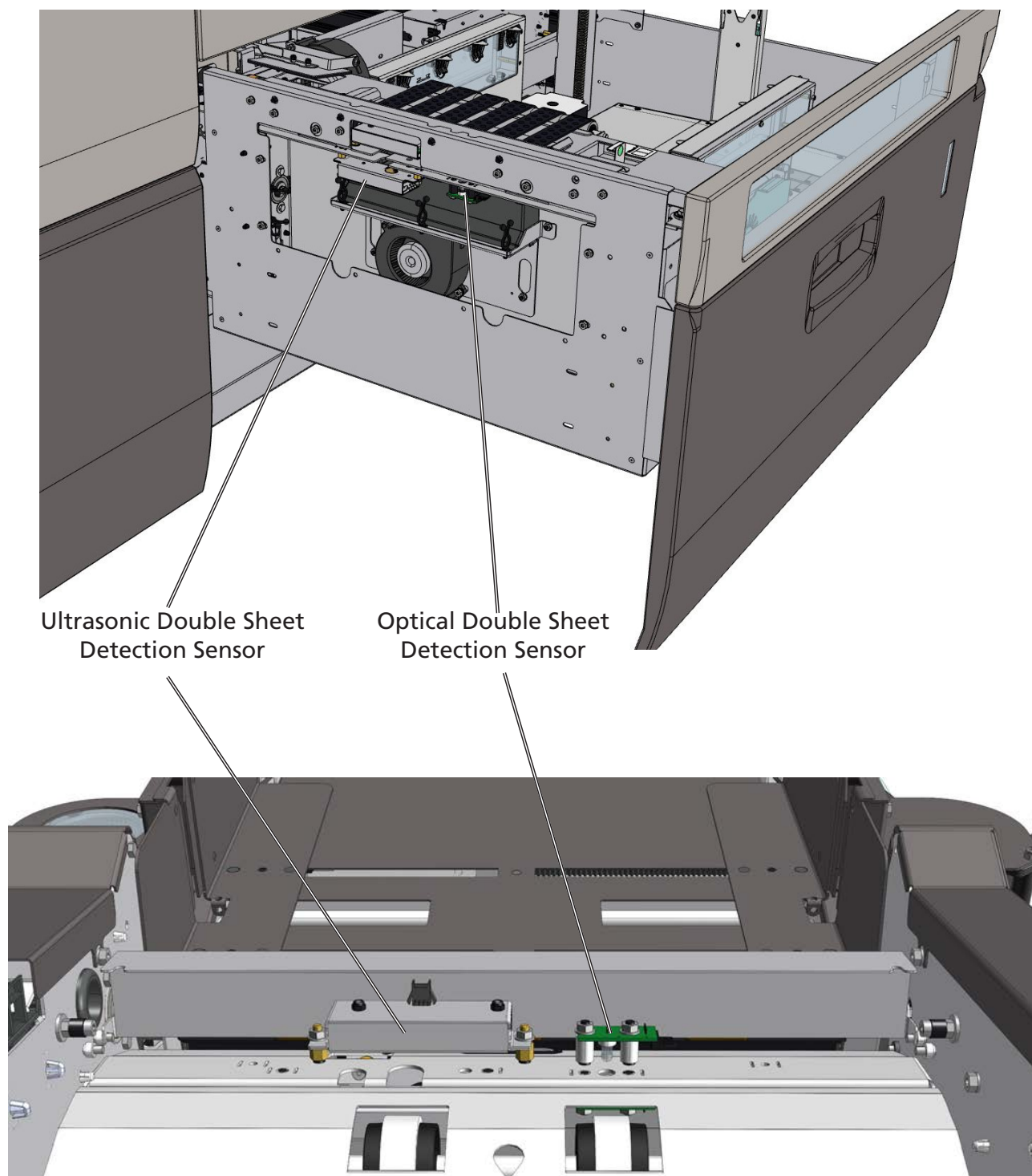
- 33 Open the front door;
- 44 Toggle on/off the Main Power Switch [A].



Calibration

Sensor Calibration

The LCTvacuum trays and the optional LSM module have two types of double sheet detection (DSD): optical and ultrasonic. If feed errors begin occurring more frequently, these sensors may need to be calibrated. Refer to Section 6 for full calibration details and instructions.



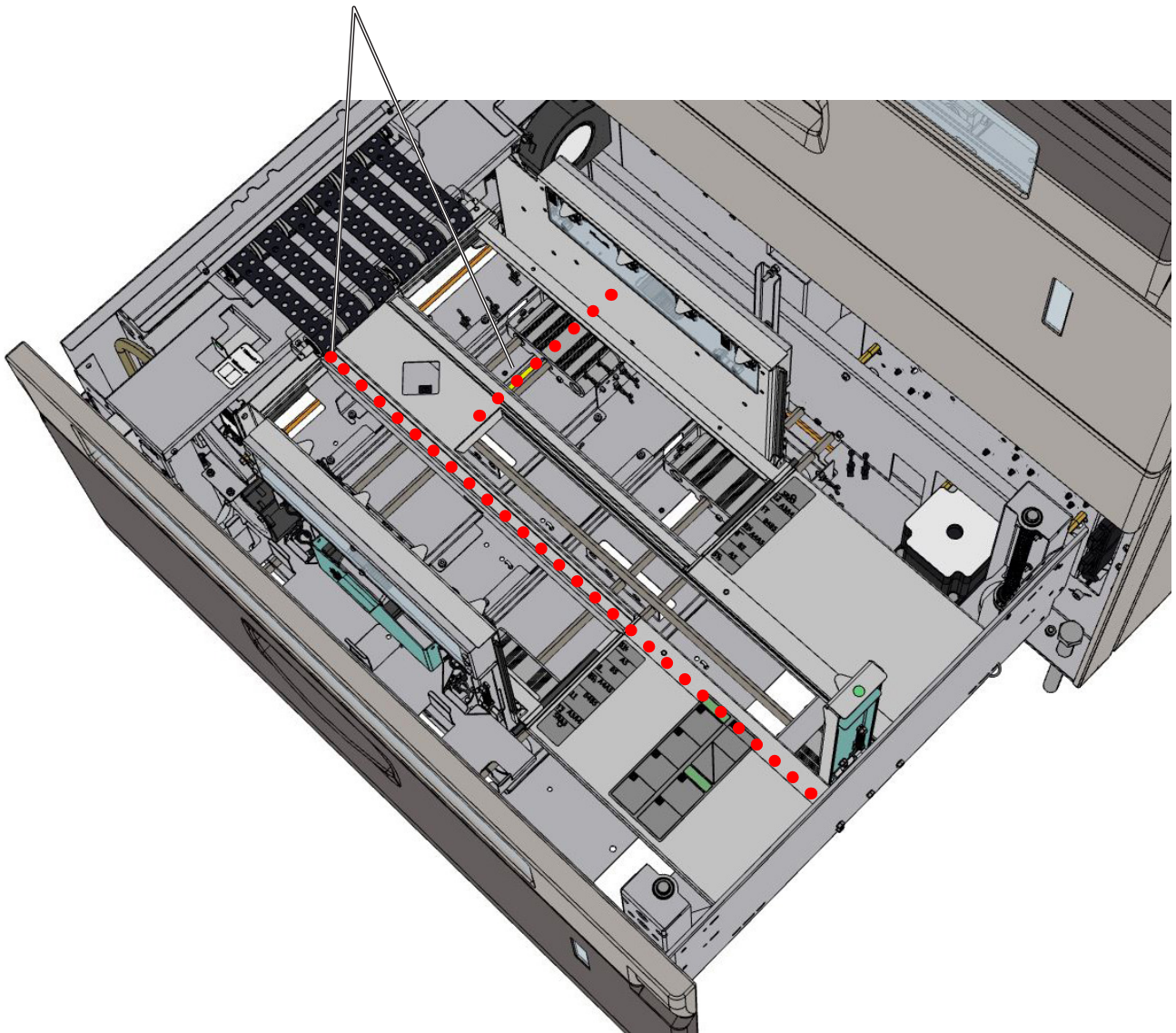
CIP Training Plockmatic LCT3500 Large Capacity Tray

Basics

Sensor Calibration

The LCT vacuum trays are also equipped with two linear sensors which are used to detect the size of the type of paper loaded in the trays.
Should these sensors need to be calibrated, refer to section 6.

Linear sensors

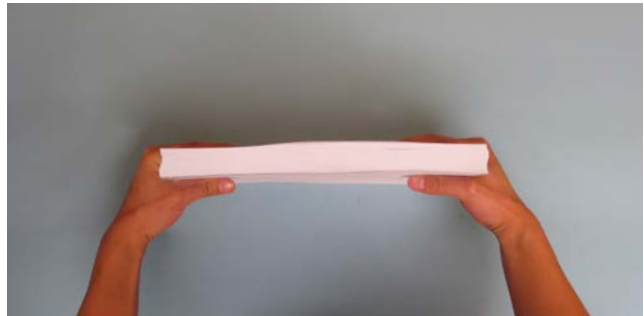


Basics

Job Preparation

Paper stack preparation

- 1** Hold the paper stack on a flat surface as shown



- 2** Bend the paper stack



- 3** Use your fingers and thumbs to pinch the paper stack



- 4** With the paper pinched between your fingers, straighten out the paper stack



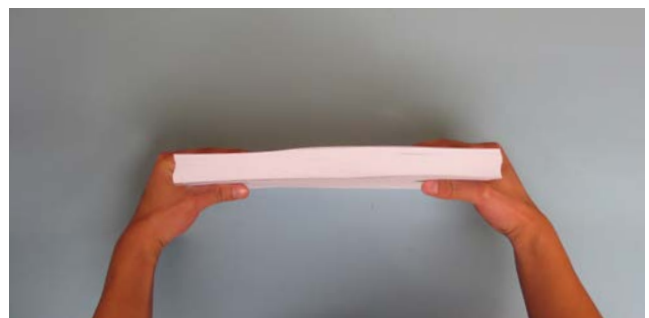
Basics

Paper stack preparation

- 5** Flex the paper back and forth a couple of times to break surface tension and preseparate the sheets



- 6** Realign the sheets into a stack before putting them into the tray

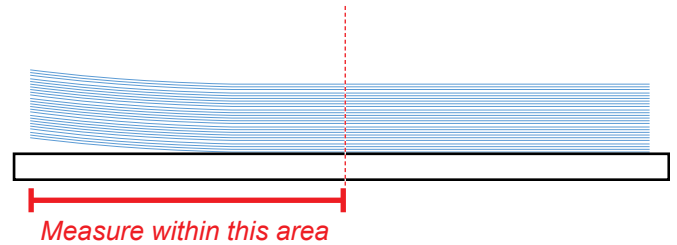


Basics

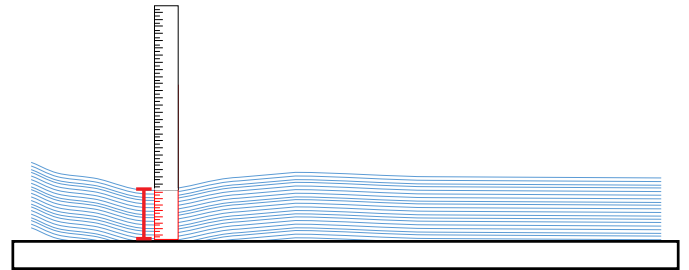
Measuring the paper curl

Take a sample of the stack (about 15 mm / 0.59" high) and place it on a flat surface

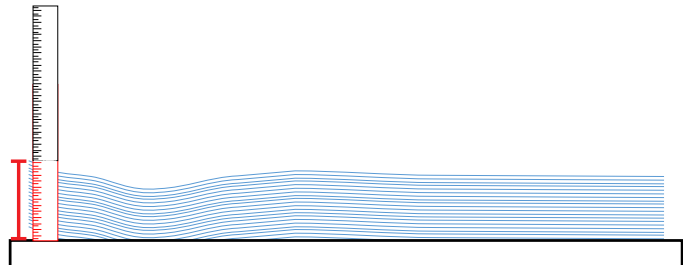
- 1 Take the midpoint as reference and do all the measurements within the marked area of the picture (from the center to the leading edge in paper feed direction)





- 2 Measure the lowest point of the stack of paper



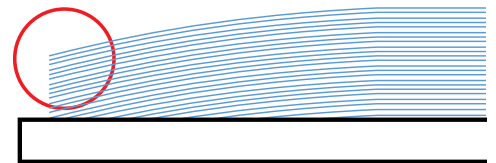
- 3 Measure the height of the leading edge of stack of paper: the difference between the leading edge and the lowest point is the amount of paper curl



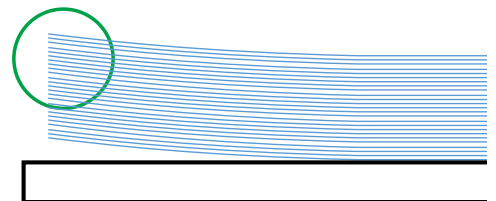
 **NOTE:** always measure the positive curl of a stack of paper, meaning that the leading edge of the stack should be pointing up as shown in the picture. If the paper needs to be loaded in the trays with the edge pointing down, insert the negative curl amount in the UI.

 **NOTE:** always load the LCT vacuum trays with paper that has negative curl. When possible, load the LSM tray with paper that has negative curl: this will increase performance.

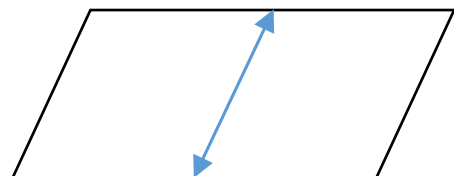
NO!



YES!



This procedure can also be used to measure the cross process direction curl.



CIP Training Plockmatic LCT3500 Large Capacity Tray

Basics

Loading Paper

1 From the Main Menu, select **Load tray 3** or **Load tray 4** depending on which tray you intend to open and load. Tray 3 is the upper tray;

2 Lift the Paper Guide lock release levers [A], move the Paper Guides [B] inwards and adjust them according to the size of the paper: see label [C]. If the paper stack is wider than 260 mm / 10.24" install the Paper Supports [D];

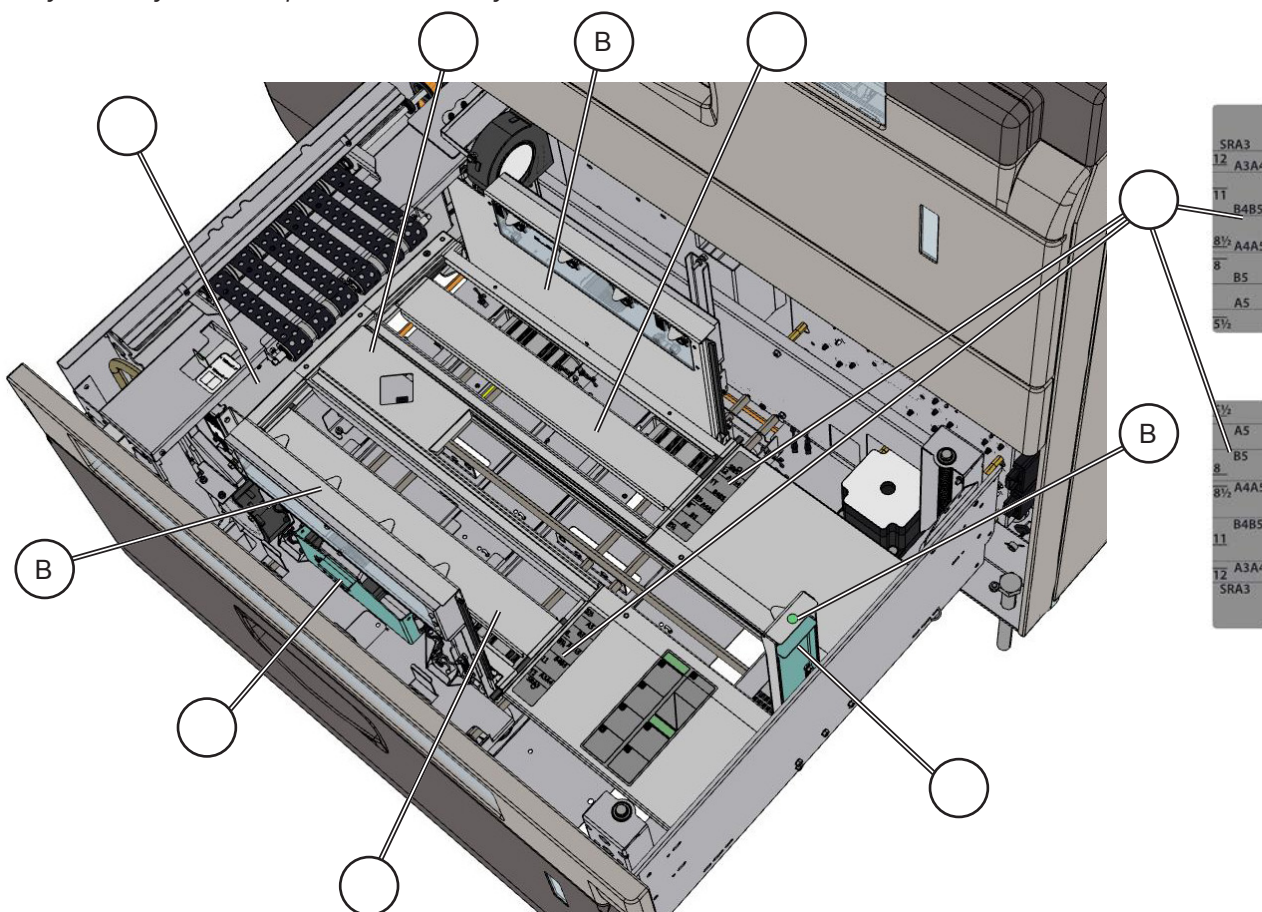


3 Prepare the stack of paper following the procedure described in the prep r e

4 If running jobs in "auto mode", measure the paper curl and insert the value in the UI (see Section 2 - Paper Curl). **NOTE: always load the vacuum trays with paper that has negative curl;**

5 Place the sheets on the elevated tray bottom [E]. Place the leading edge of the sheets against the Separation Frame [F], underneath the vacuum belts;

NOTE: if you are loading the trays with thick paper (thicker than 350 gsm), you might experience misfeeds. Should this happen, refer to "Misfeed / Jam in Vacuum Trays when feeding thick media" in section 5 of this manual. As a general rule, use tray 3 (the upper tray) or tray A (the optional LSM tray) to feed thick media.



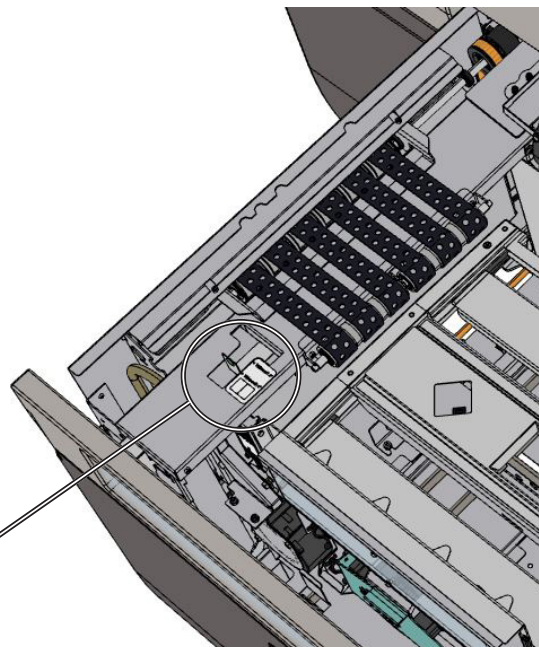
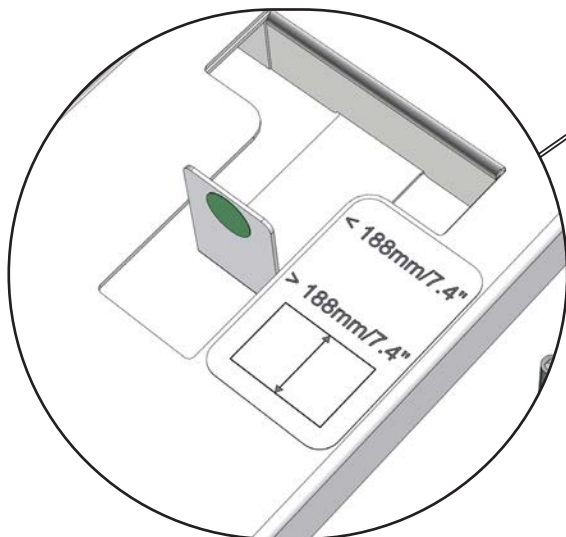
CIP Training Plockmatic LCT3500 Large Capacity Tray

Basics

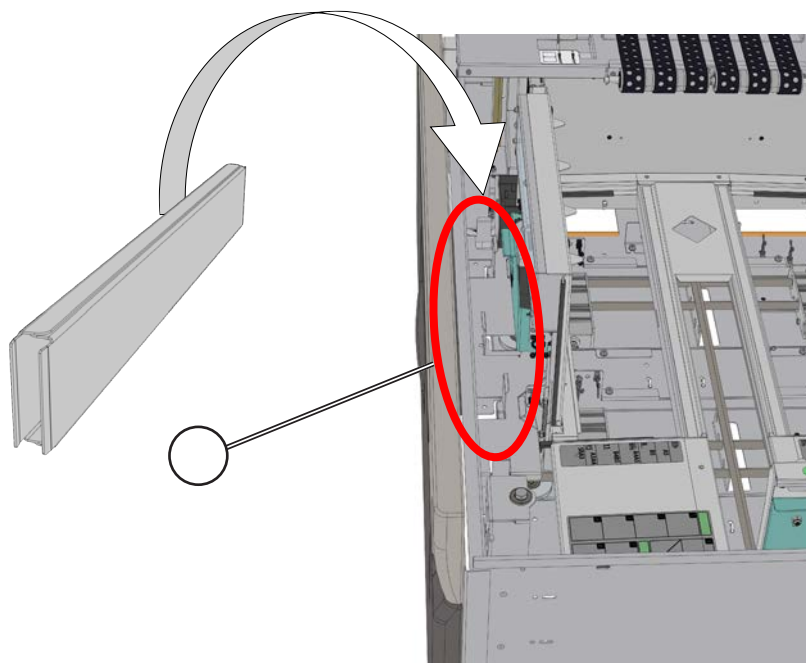
Loading Paper

6 The Vacuum Size Valve controls the size of the vacuum suction area on the bottom of the vacuum chamber. The Vacuum Size Valve needs to be manually shifted to the correct position, which depends on paper width. If paper width is greater than 188 mm, the lever needs to be positioned as shown. If paper width is less than 188 mm, the lever needs to be shifted to the corresponding position (<188 mm/7.4");

7 Close tray and repeat procedure on the other tray if required.



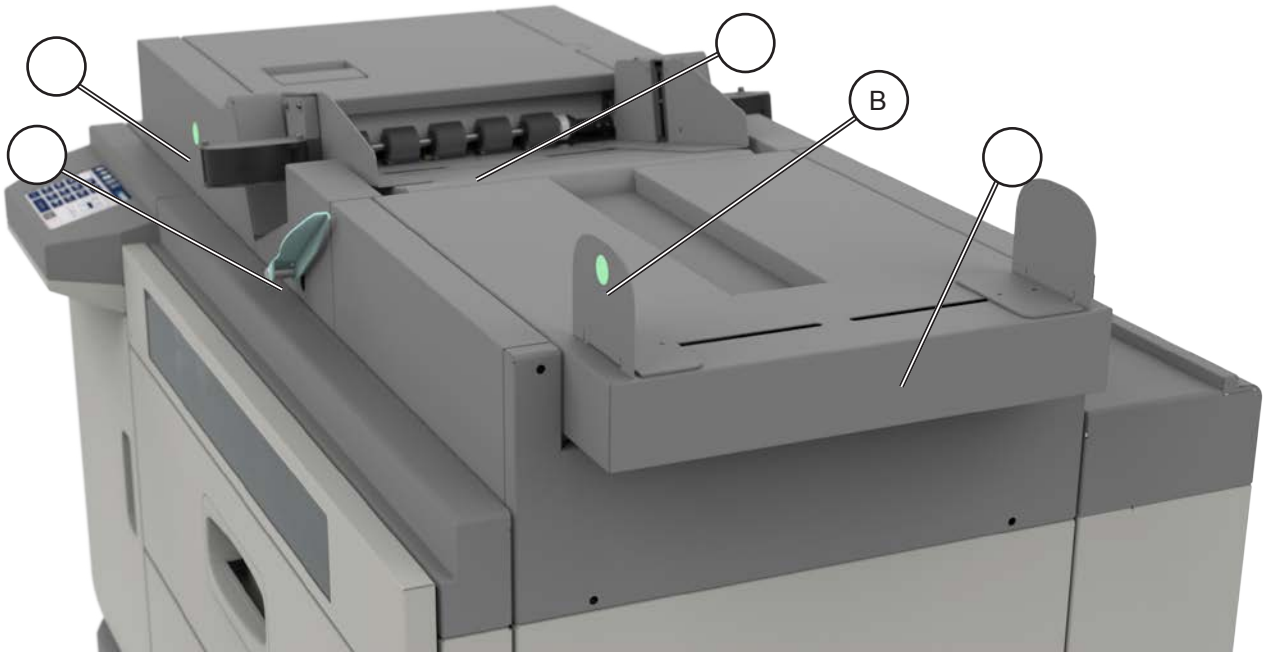
 **NOTE:** if you are not using the Paper Supports, place them in the Paper Support Holders [G]




CIP Training Plockmatic LCT3500 Large Capacity Tray

Basics

Loading Paper



- 1 Pull the paper guides [A] and [B] outwards to gain space to insert the stack of sheets;
- 2 If the paper sheets require a long tray base, pull the LSM extension [C] out;
- 3 Prepare the paper before preparing the paper.
- 4 Push paper guides [A] and [B] in so that they touch the stack of paper;
- 5 Push the lever [D] down to lower the LSM tray table;
- 6 Place the stack so that the leading edge of the sheets is placed below the feed rollers [E];
- 7 Pull the lever [D] upwards.

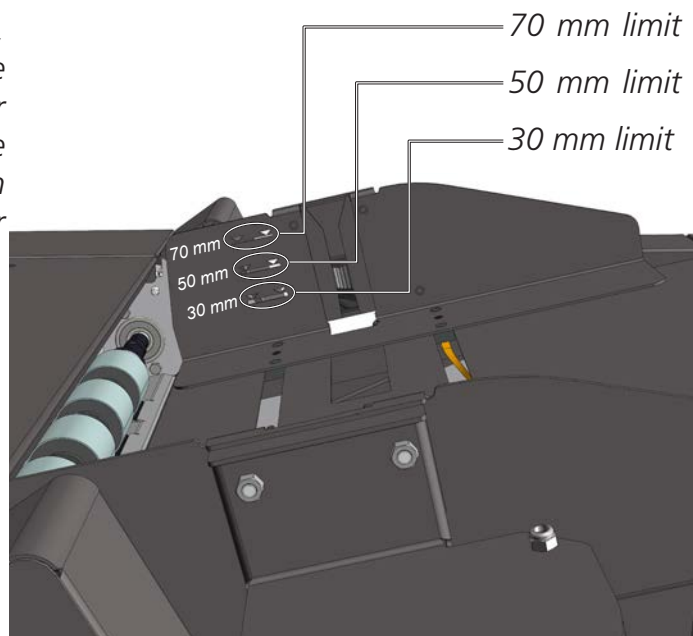
 **NOTE:** on the rear side paper guide, there are three marks that indicate the paper loading limit. The paper stack height should not exceed these indications. Below are the maximum stack heights for each type of paper thickness / type:

Plain Media:

- 70 mm: 80-105 gsm;
- 50 mm: 105.1-256 gsm;
- 30 mm: 256.1-400 gsm.

Coated Media:

- 50 mm: 80-105 gsm;
- 30 mm: 105.1-400 gsm.



CIP Training Plockmatic LCT3500 Large Capacity Tray

Basics

Printer settings

It is extremely important to program the sheets size/type both in the LCT and on the printer: there is no communication among the printer and the LCT about paper properties.

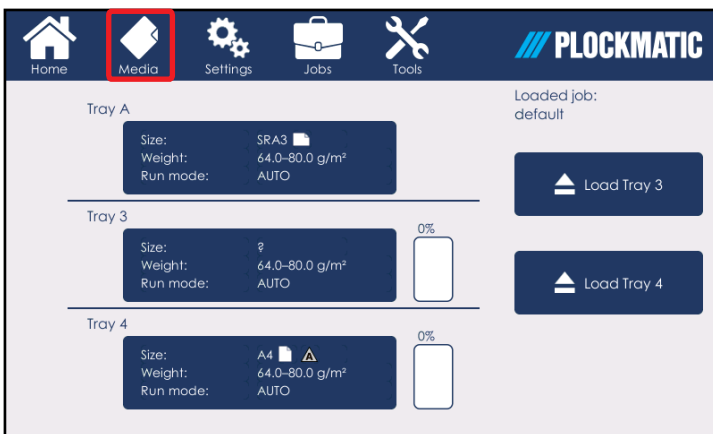
Setting Up a Job

Media and Settings Sub-Menus

This section describes how to adjust the LCT performance parameters within the LCT UI. Note that the jobs will be programmed using the user interface of the downstream device. It is extremely important to program the sheets size/type both in the LCT and on the printer: there is no communication among the printer and the LCT about paper properties.

Plockmatic always recommends to use all auto/default settings.

Media

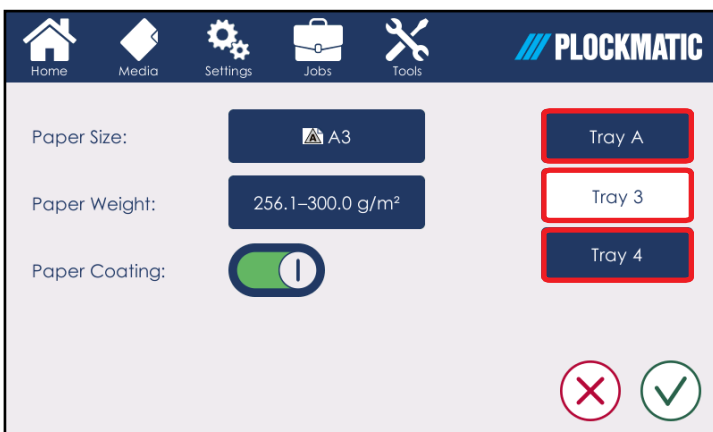


The main menu on the User Interface will show a summary of the main info for each of the three trays. The summaries will show the amount of paper in the trays in percentage form, the type of paper and its orientation, the loaded job (on the top right corner) and if the tray is running in auto settings or not (see "status icons" in this manual for further

information).

Start setting the LCT by pressing the [Media] icon on the top ribbon.

Selecting the Tray



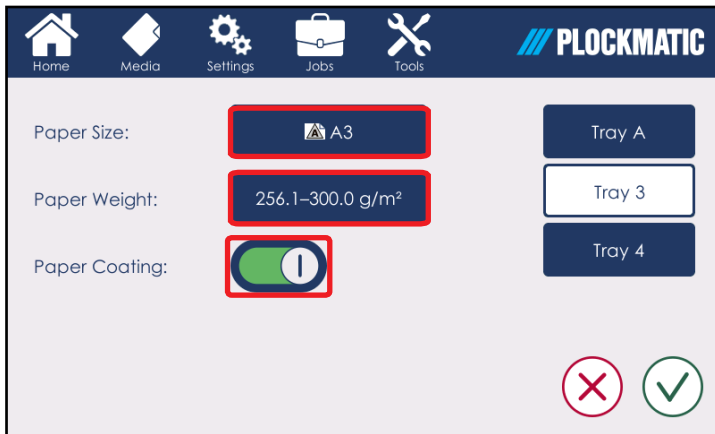
The media types fed by both trays and by the optional Long Sheet Module's tray (Tray A) are set independently.

Choose the Tray to set [Tray A/3/4] then follow the procedures on the next page.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

Setting the Paper Type



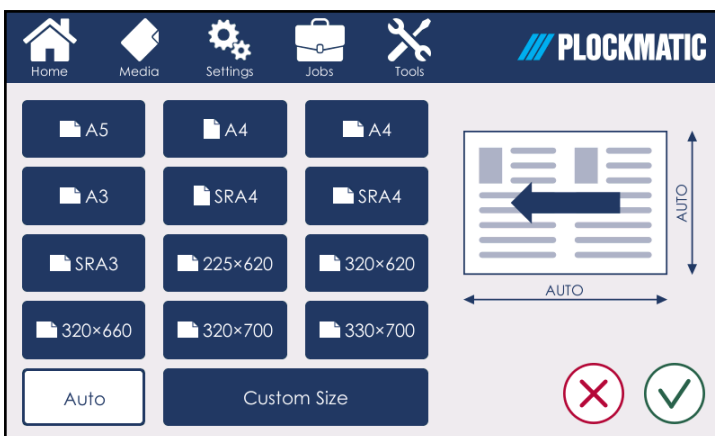
Select [Paper Size] to enter the size of the media loaded.

Select [Paper Weight] to enter the correct paper weight range of the media loaded.

Turn on/off [Paper Coating] depending on whether the loaded media is coated or not.

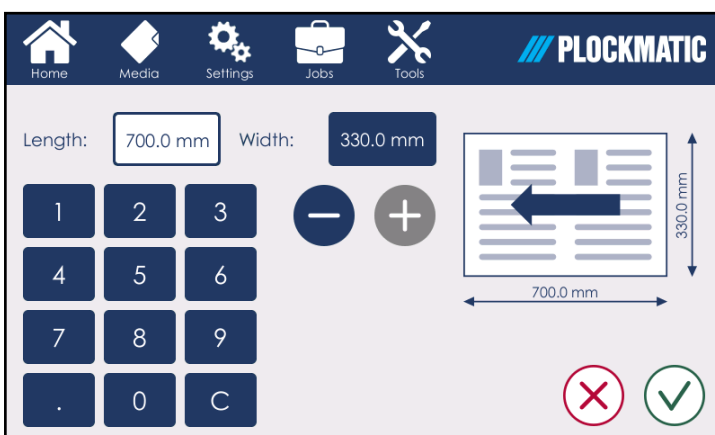
Perform this procedure for each of the two vacuum trays and for the optional LSM module.

Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.



Paper size:

This menu allows the user to choose the paper size: the user can either select one of the standard sizes or input a custom size. If [Auto] is selected, the LCT will detect the type of paper loaded in the trays, thanks to the position of the side guides. Note that this function will work only with certain types of standard formats, see "auto paper size detection" at the end of this manual. If the LCT is not able to identify the paper loaded, a "size unknown" message will be displayed on the machine's UI. Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.



Custom paper size:

Selecting [Custom Size] will open a new screen that allows for inputting of custom values, plus it will recall the last custom size inputted.

Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

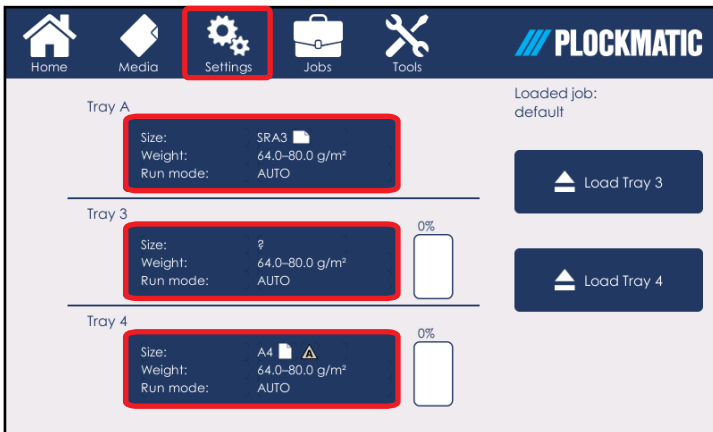
Setting the Paper Type



Paper weight:

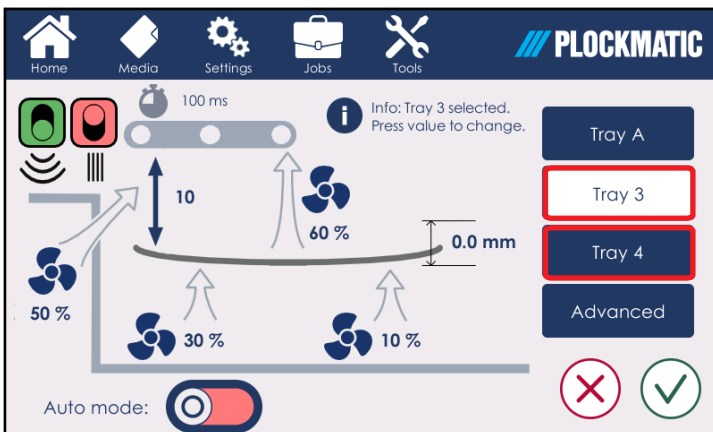
Select the paper weight by choosing one of the listed options. Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

Settings



From the home screen, pressing [Settings] or either of the three "Tray summaries" opens the Settings sub-menu. From here you can view and/or modify performance parameters.

Trays 3/4

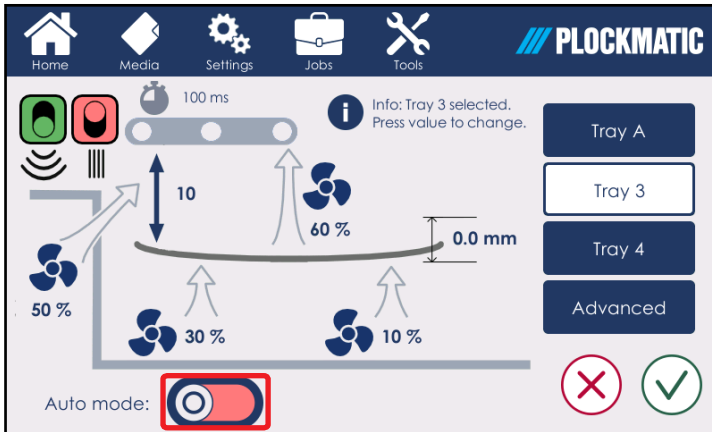


The two vacuum trays of the LCT are set independently. The marked buttons allow the user to toggle between the settings of Tray 3 and Tray 4.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

Auto Fans / Manual Fans

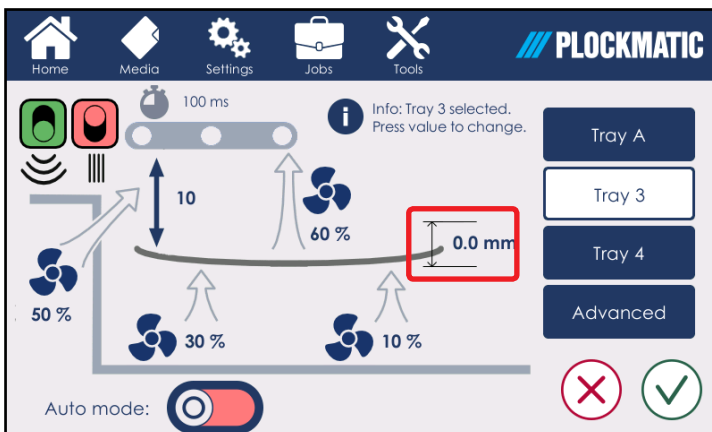


This button allows the user to switch between automatic or manual fan settings.

Auto mode sets all the process parameters except for the paper color, which is set in the [Advanced] sub-menu, and the paper curl amount. Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

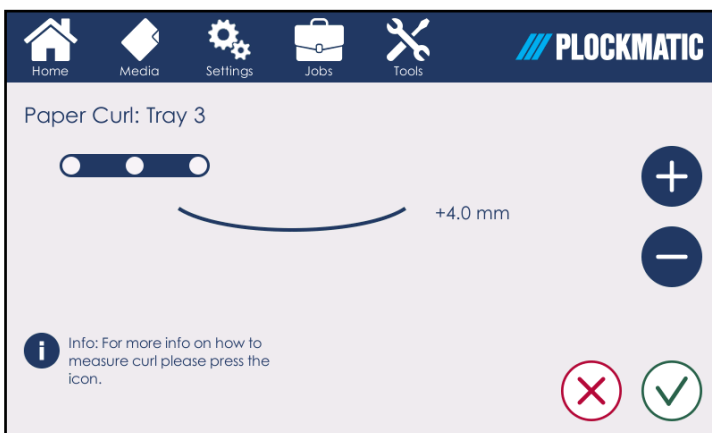
Plockmatic always recommends to use all auto/default settings.

Paper Curl



This parameter allows the user to select the curl amount of the loaded paper. The user can choose between six different amounts that should be selected as follows:

- 6 mm / 0.24" for 6 mm / 0.24" curls and over;
- 4 mm / 0.16" for 4 / 0.16" and 5 mm / 0.20" curls;
- 2 mm / 0.08" for 2 / 0.08" and 3 mm / 0.12" curls;
- 2 mm / -0.08" for -2 / -0.08" and -3 mm / -0.12 curls;
- 4 mm / -0.16" for -4 / -0.16" and -5 mm / -0.20 curls;
- 6 mm / -0.24" for -6 mm / -0.24 curls and under.



NOTE:

Paper Curl can only be adjusted in auto mode.

Plockmatic discourages selecting a curl amount greater or smaller than what is defined in the machine specifications (process direction curl ± 5 mm / ± 0.20 " and cross process direction curl ± 2 mm / ± 0.08 ").

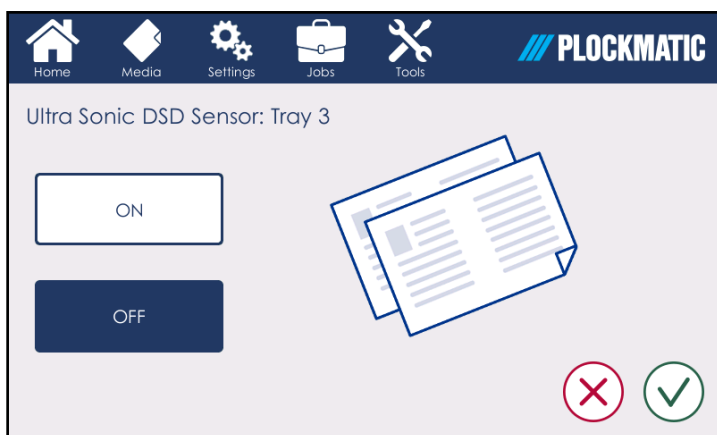
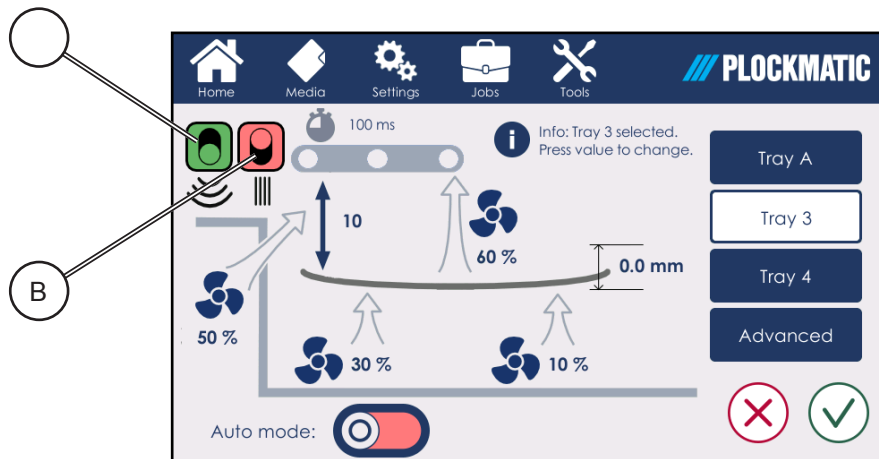
NOTE:

Always load the vacuum trays with paper that has negative curl. If this is not possible, it is very important to compensate for the positive curl with this function. Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

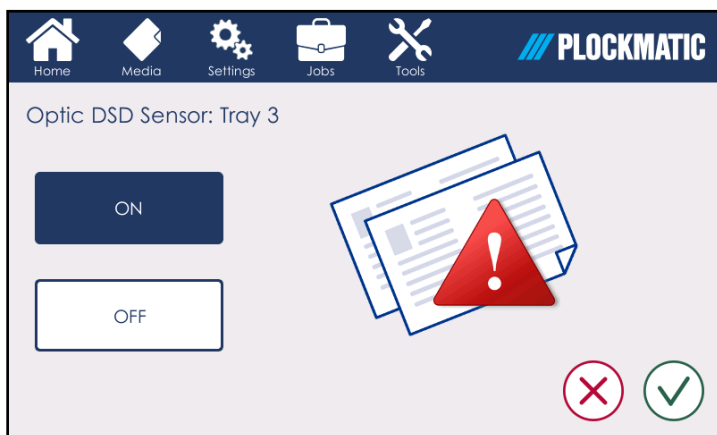
DSD Sensors



Ultrasonic DSD Sensor [A]

The LCT is equipped with three (in the vacuum trays and in the optional LSM) independent double sheet detection systems, both optical and ultrasonic. The ultrasonic sensor is active by default. Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

NOTE: The Ultrasonic DSD Sensor does not work on all 400 gsm types of paper, as paper density can vary significantly.



Optical DSD Sensor [B]

NOTE: This function is currently deactivated and will be available in the future. The LCT is equipped with three (in the vacuum trays and in the optional LSM) independent double sheet detection systems, both optical and ultrasonic. The optical sensor is deactivated by default. This sensor should only be activated when the tray is loaded with one type of paper and with the same print job.

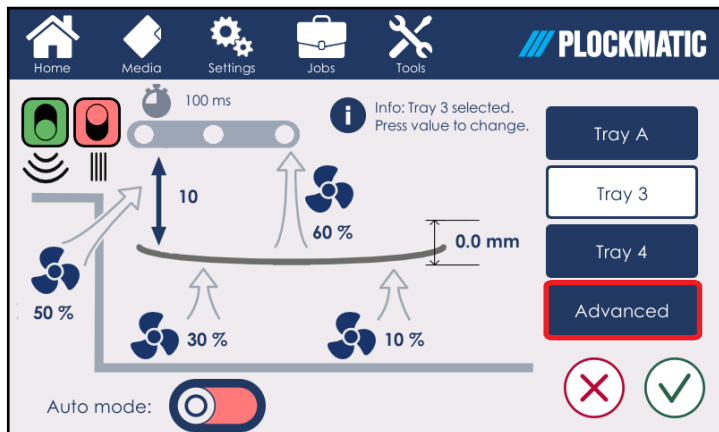
If this sensor is activated with different types of paper with different print jobs, it will give false readings. Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

NOTE: The Optical DSD Sensor does not work on sheets thicker than 250 gsm.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

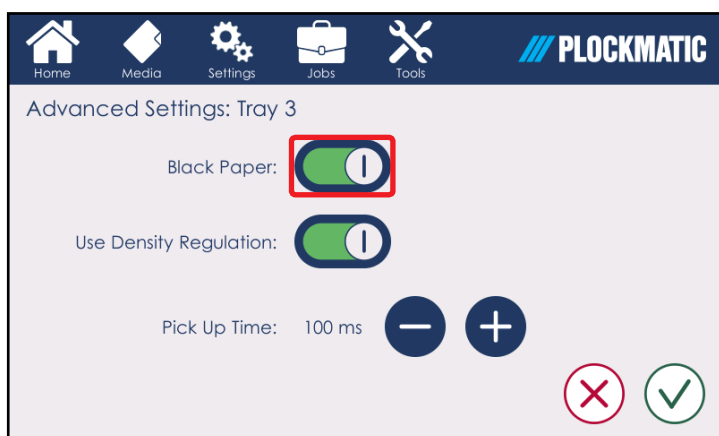
Advanced



Press [Advanced] to reach the advanced settings: the advanced settings for the selected tray will be displayed.

NOTE:

Always push the green checkmark button to save changes. Switching to another menu without selecting this button first will discard all unsaved changes.



Paper Color

Pushing the toggle button allows the user to choose among two options: black paper on /off.

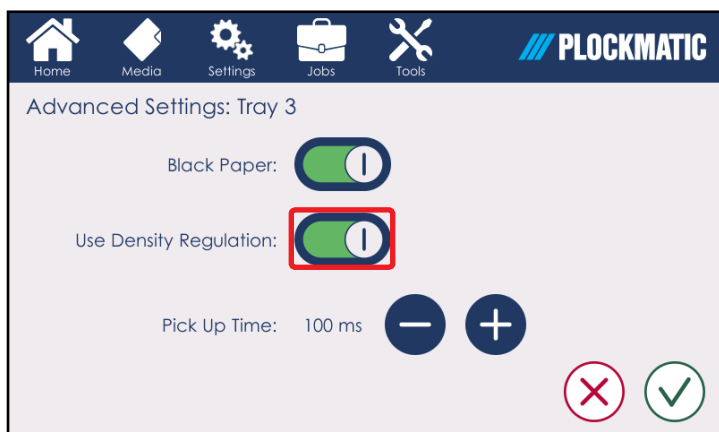
Black paper off option has to be used for light colored paper while black paper option on has to be used for dark colored paper (e.g. dark blue paper).

NOTE:

This setting is only about the paper color. The ink color and the print job do not affect this choice.

NOTE:

When this option is selected, a pop-up message "Black paper warning" will show up before a job is started as a reminder for the user.



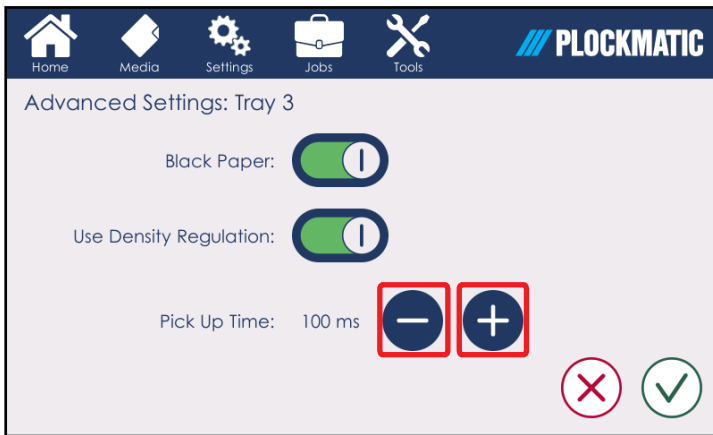
Use Density Regulation

This function (on by default) makes sure that the density of the floating paper is constant. Due to reflections of some special type of paper, it might happen that this function does not work properly and causes misfeeds or jams. If this is the case, turn this option off by toggling the marked switch on the User Interface of the LCT.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

Advanced



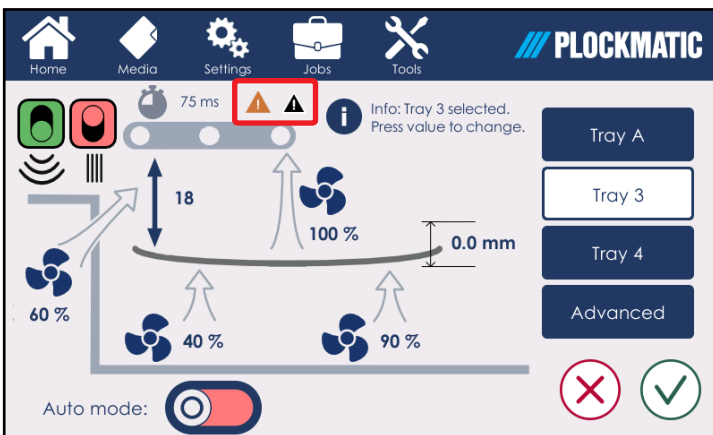
Pick Up Time

The Pick up Time is the amount of time the vacuum is activated to feed each sheet. This value can be adjusted between 75 ms and 500 ms. Press "+/-" to adjust this value. A higher Pick up Time will slow the process down since it will take more time for the LCT to feed each sheet but it might also help to solve jam problems.

NOTE:

This value should be adjusted when performing the "jam recovery manual setting" procedure described in section 6.



Status Icons

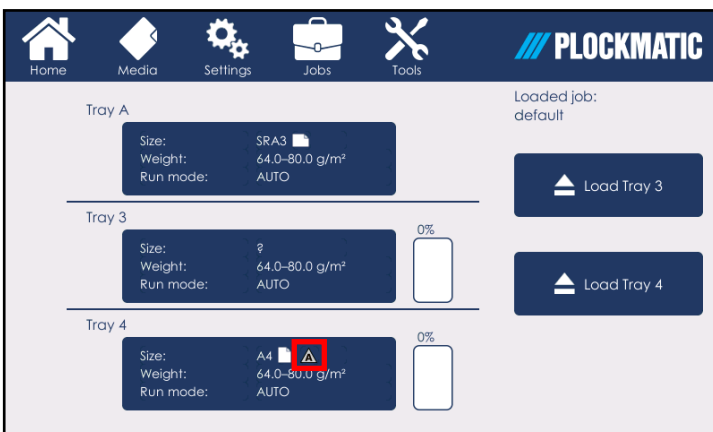


Status icons


The status icons appear in the indicated area, close to the pick up time and refer only to the selected tray.

Below is a description of their meaning:

-  Black paper ON
-  Density regulation control OFF



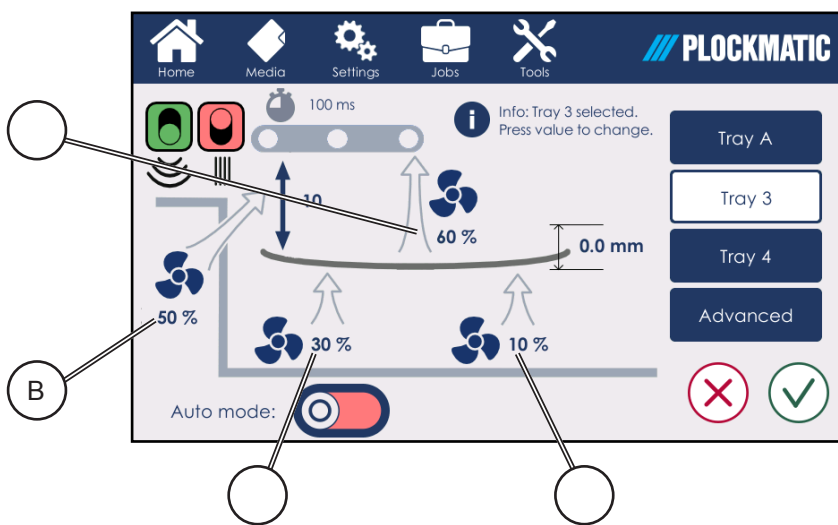
A third status icon is shown in the main menu when the Auto mode is turned off.

-  Auto mode OFF

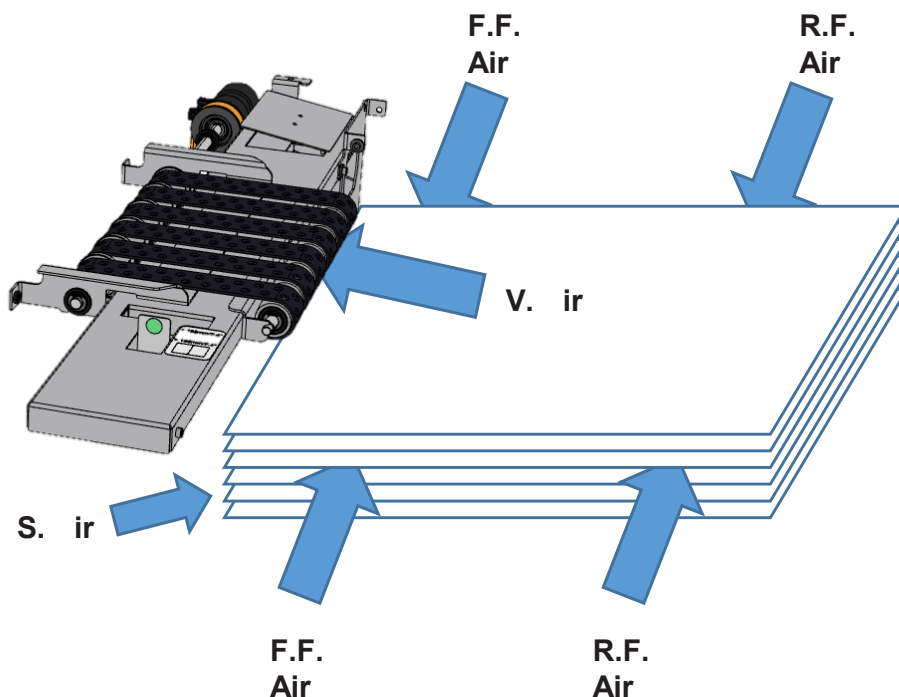
Setting Up a Job

Manual Fans Adjustment

A number of different fans are used to create paper suction and separation between the sheets. If automatic settings provide unsatisfactory results, fan settings may be adjusted manually. Plockmatic recommends adjusting only one setting at a time. If adjusting that setting does not provide satisfactory results, set it back to auto mode prior to adjusting another setting. Pushing one of the values described below will open another sub-menu which will allow for manually adjusting the setting. As a rule of thumb, heavier paper typically requires more air flow.



- A - Vacuum Air
- B - Separation Air
- C - Front Float Air
- D - Rear Float Air



CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

Manual Fans Adjustment

Home Media Settings Jobs Tools PLOCKMATIC

Vacuum Air: Tray 3

Info: Change to a higher value for extra static media and/or heavy media. Too much air can cause double feeds. If possible always use AUTO.

0% 20% 40% 60% 80% 100%

80%

− + × ✓

Vacuum Air

This parameter controls the vacuum fan, which pulls paper towards the transportation belt during feeding. Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

Home Media Settings Jobs Tools PLOCKMATIC

Separation Air: Tray 3

Info: Change to a higher value for extra static media and/or heavy media. Too much air can cause double feeds. If possible always use AUTO.

0% 20% 40% 60% 80% 100%

60%

− + × ✓

Separation Air

The Separation Air Fan blows air underneath the transportation belts at the leading edge of the paper stack to maintain paper separation during feeding.

Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

Home Media Settings Jobs Tools PLOCKMATIC

Front Float Air: Tray 3

Info: Change to a higher value for extra static media and/or heavy media. Too much air can cause double feeds. If possible always use AUTO.

0% 20% 40% 60% 80% 100%

70%

− + × ✓

Front Float Air

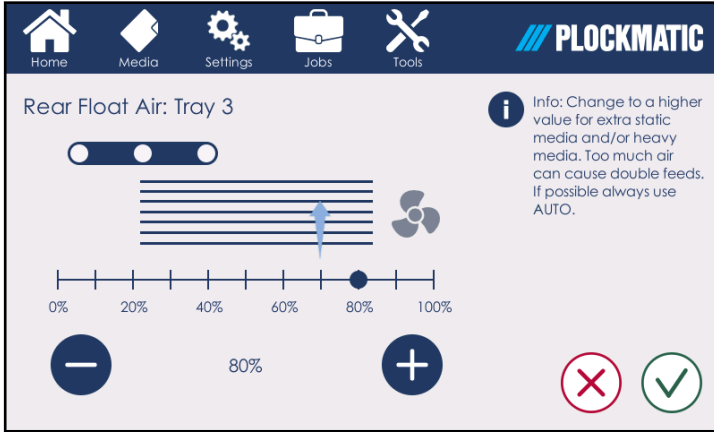
This parameter controls the flow of the two front fans (closest to the transportation belt). Float air blows into the paper stack from the sides to create separation between sheets.

Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

Manual Fans Adjustment

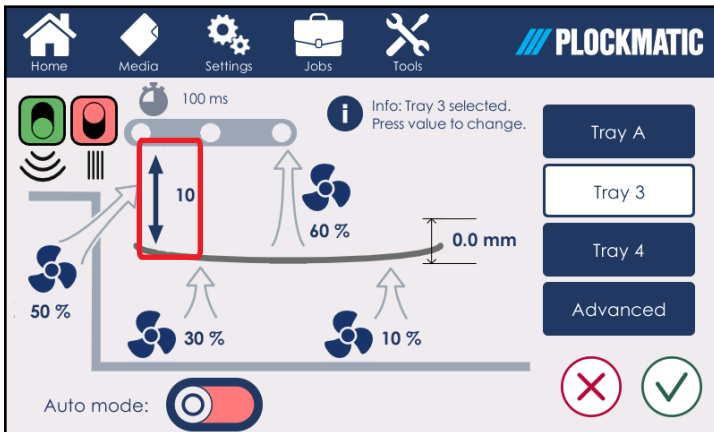


Rear Float Air

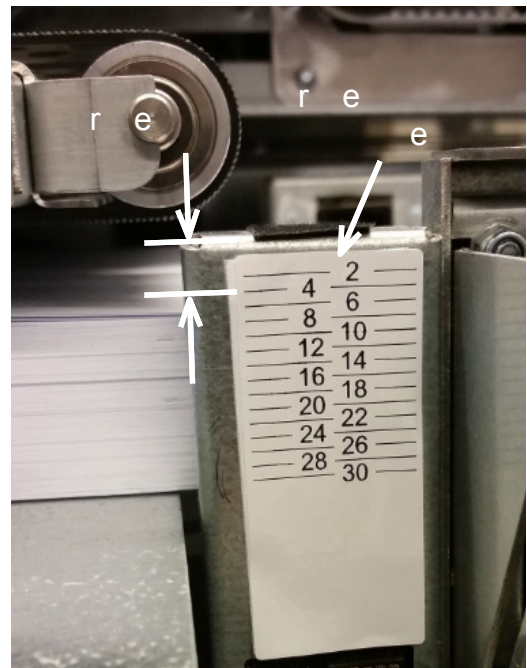
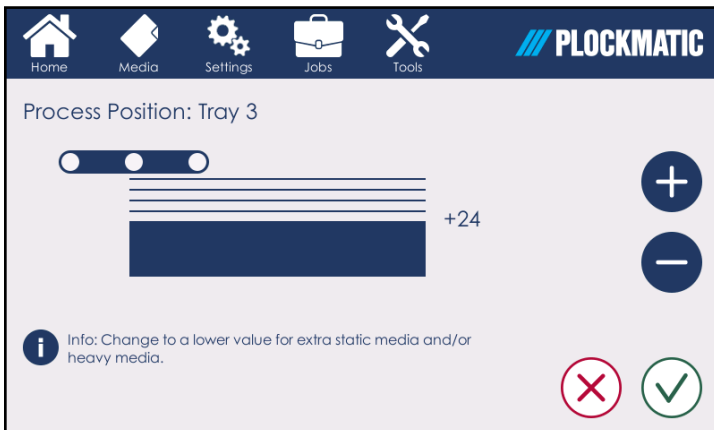
This parameter controls the flow of the two rear fans. Float air blows into the paper stack from the sides to create separation between sheets.

Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

Process Position

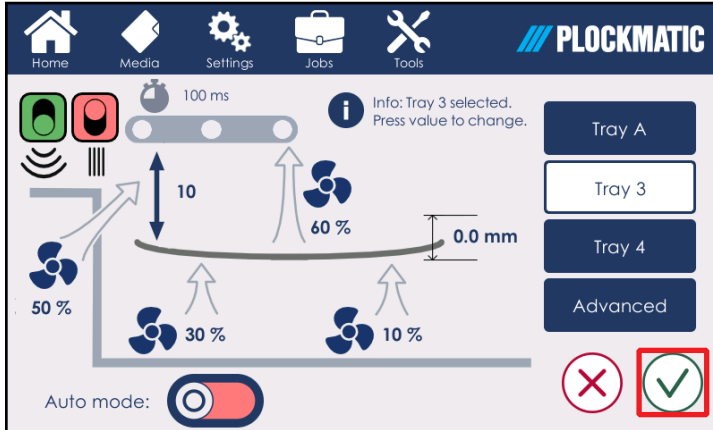


This parameter controls the position of the top of the unseparated paper stack. The Process Position value corresponds to a position on the SP Sensor, which the operator can see via a label on the case of the SP Sensor.



Setting Up a Job

Saving changes



Select the green checkmark button to save changes. Switching to another menu without selecting this button first will discard all unsaved changes.

Testing the changes

Before starting a job, Plockmatic recommends testing the changes made in manual mode with the "test settings" button under the Tools Menu (see section 3 of this manual). This function activates all the fans and moves the elevator to process position according to your settings. The sheets will continue to float until the test mode is stopped. As a rule of thumb, there should be from 10 to 20 sheets floating over the stack of unseparated paper.



fig.

If the LCT is set correctly, the sheets will be floating horizontally with equal amounts of separation between sheets as shown in figure 1.

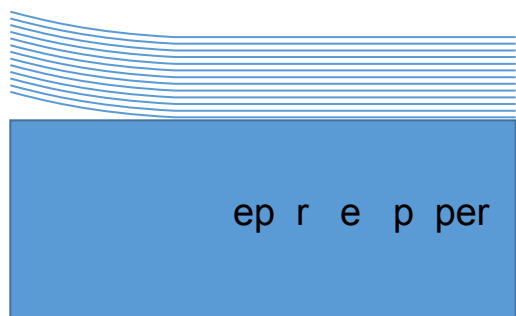


fig.

If sheets are floating with the leading edge pointing up, the process position value should be increased while the separation air value should be decreased, in order to get the paper floating as in figure 1.

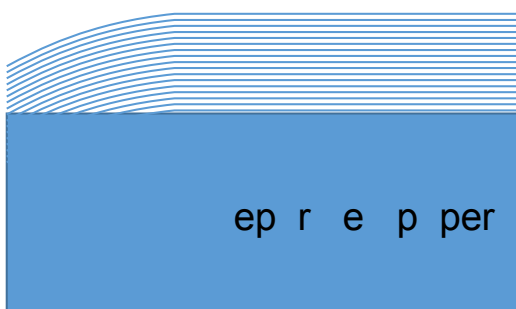


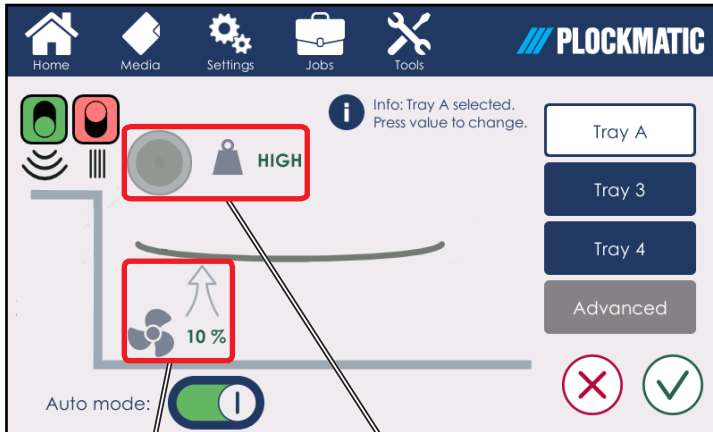
fig.

If sheets are floating with the leading edge pointing down, the process position value should be decreased while the separation air value should be increased, in order to get the paper floating as in figure 1.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Setting Up a Job

Tray A settings (Long Sheet Module - LSM)

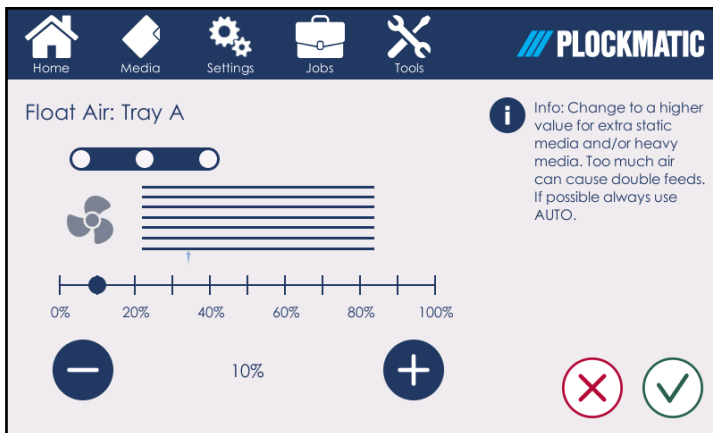


If the optional Long Sheet Module is installed on the LCT, the [Tray A] button will appear on the User Interface. When [Tray A] is selected, the LSM sub-menu is shown.

Here the user can turn auto mode either on or off. If auto mode is off, the separation pressure and the float air can be set manually.

Plockmatic always recommends to use all auto/default settings.

The LSM is also equipped with two DSD sensors. See "DSD Sensors" earlier in this section for how and when to turn them on/off.

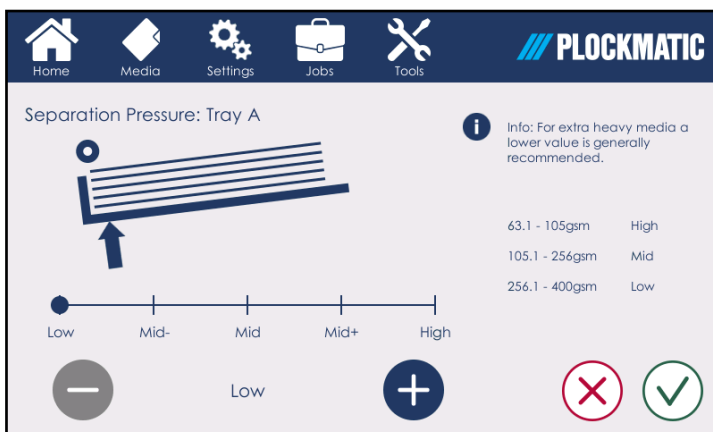


Float Air

This parameter controls the flow of the two fans on the LSM. Float air blows into the paper stack from the sides to create separation between sheets.

As a rule of thumb, heavier paper typically requires more air flow. Press [+/-] to modify the amount of float air, according to the type of media loaded.

Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.



Separation Pressure

This parameter is a height regulation for the separation pad that sits just below the feed roller in the LSM (see "Guide to components" at the beginning of this manual).

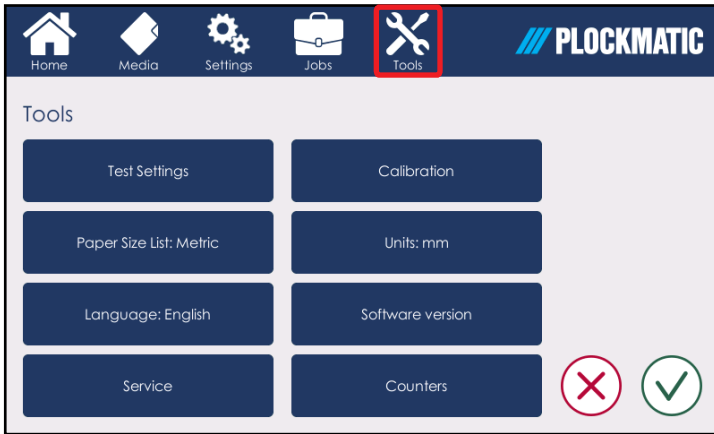
As a rule of thumb, heavier paper typically requires less separation pressure. Press [+/-] to modify the separation pressure value, according to the type of media loaded.

Push the green check mark to confirm the changes or the red cross to discard them and to go back to the main menu.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Tools

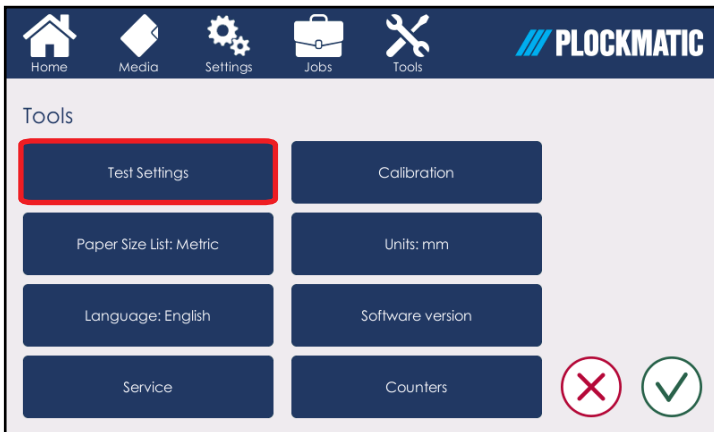
The Tools Menu



From the Tools sub-menu the user can modify parameters such as Units and Language.

This sub-menu also allows the user to test the manual settings, change paper size lists, units and languages, enter service mode, calibrate sensors, check the Software version and view the counters.

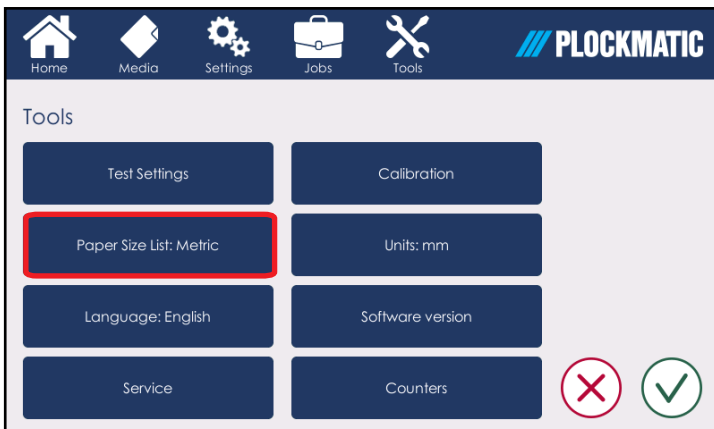
Test Settings



The [Test Settings] button is used to check the manual settings in the trays. Press this button once to activate all the fans and move the elevator to process position.

Press this button twice to switch off the fans and to move the elevator down.

Paper Size List

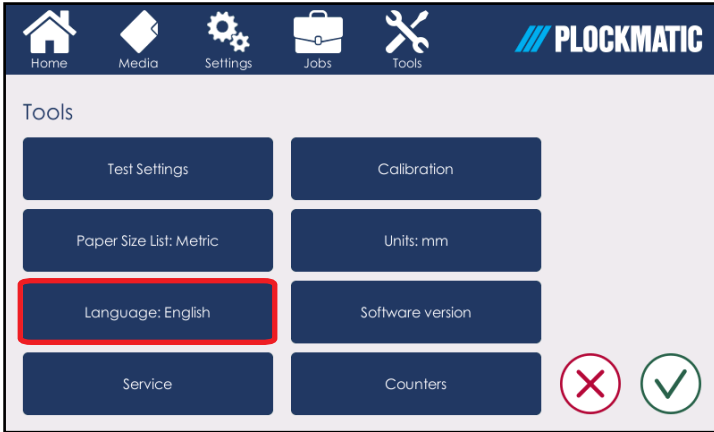


Tap the noted button to switch among the standard paper size lists. The user can choose among metric, inches and Japanese.

CIP Training Plockmatic LCT3500 Large Capacity Tray

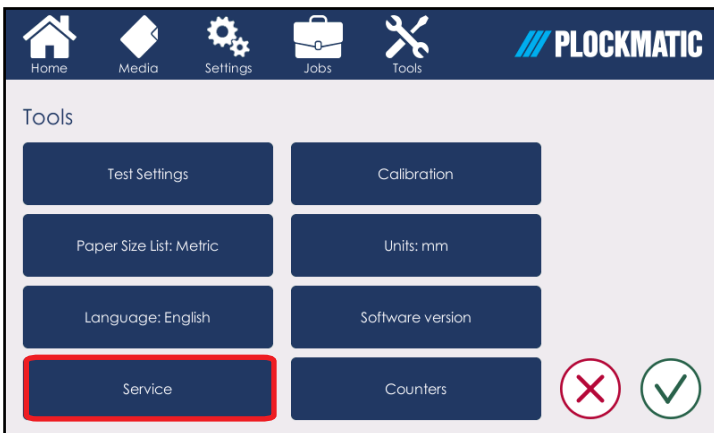
Tools

Language



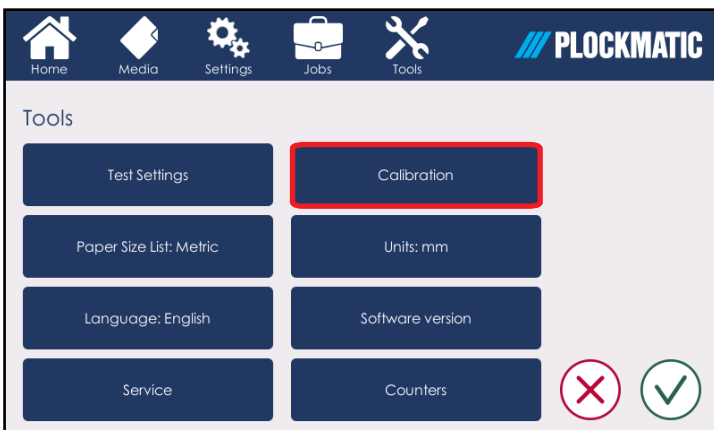
Select the desired operating language for the machine by pressing the [Language] button.

Service Mode



This function is for authorized service personnel only and is password protected.

Calibration

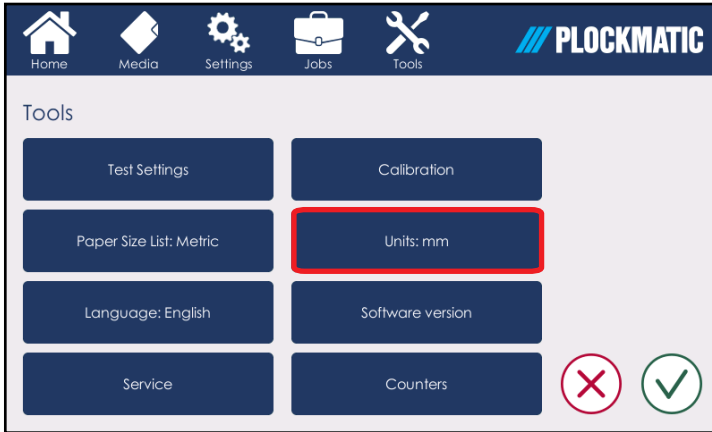


The operator will be able to calibrate the Optical and Ultrasonic (US) DSD (Double Sheet Detection) sensors as well as the paper size sensors via this sub-menu. Refer to Section 6 for full calibration instructions.

CIP Training Plockmatic LCT3500 Large Capacity Tray

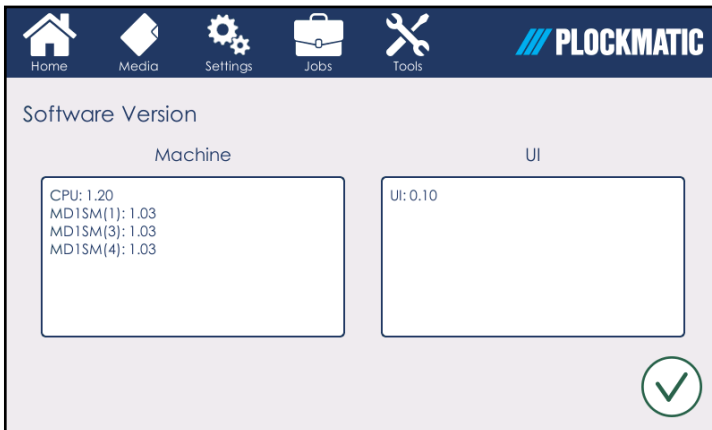
Tools

Units



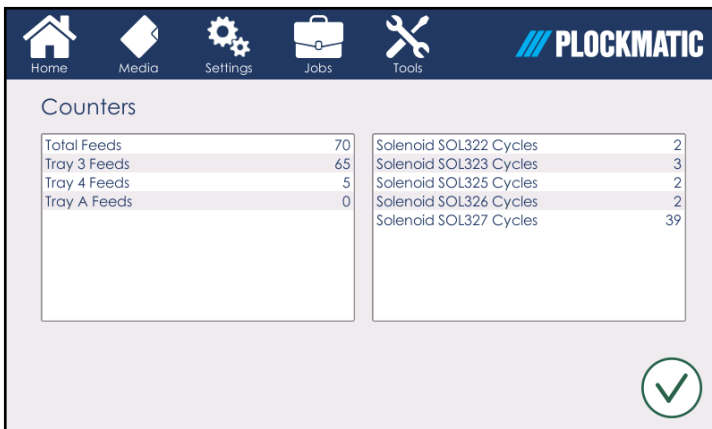
Toggle between millimetres or inches by pressing the [Units] button.

Software version



This function allows the user to check the Software version installed on the LCT.

Counters

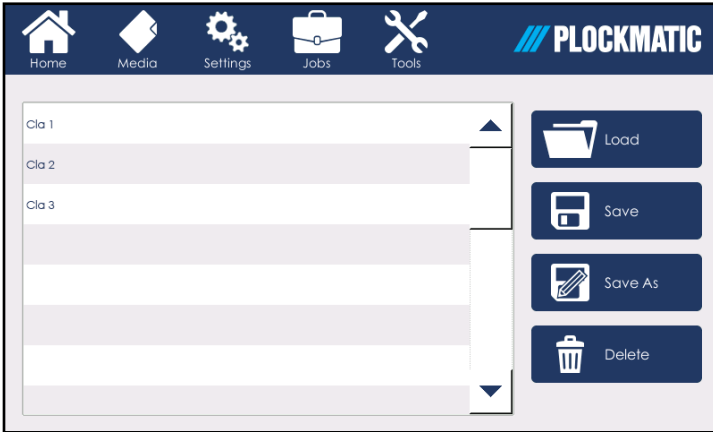


The Counter sub-menu allows the user to check the total amount of sheets fed from each tray as well as the tally of the total feeds of the machine. The solenoid cycles are also shown in this submenu.

CIP Training Plockmatic LCT3500 Large Capacity Tray

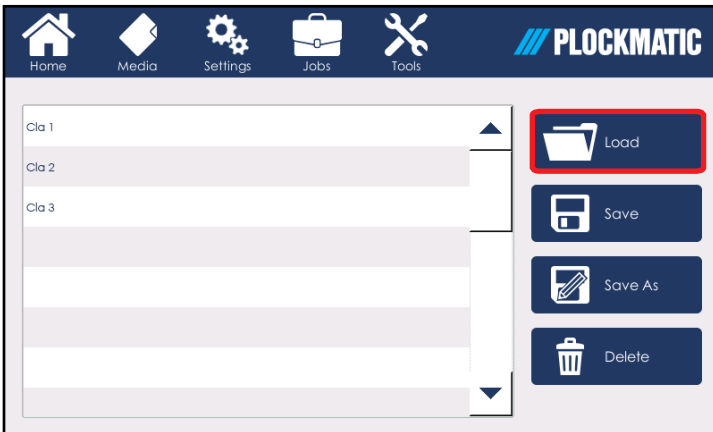
Jobs

Handling jobs

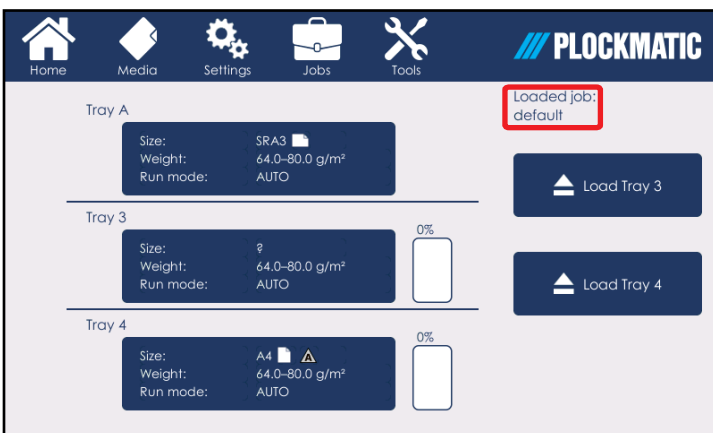


Pressing [Jobs] opens the Jobs sub-menu. From here you can open a saved job. Saved jobs can be customized and deleted.

Loading a Job



The user can load a job by selecting it from the saved jobs list and then pushing the [Load] button.

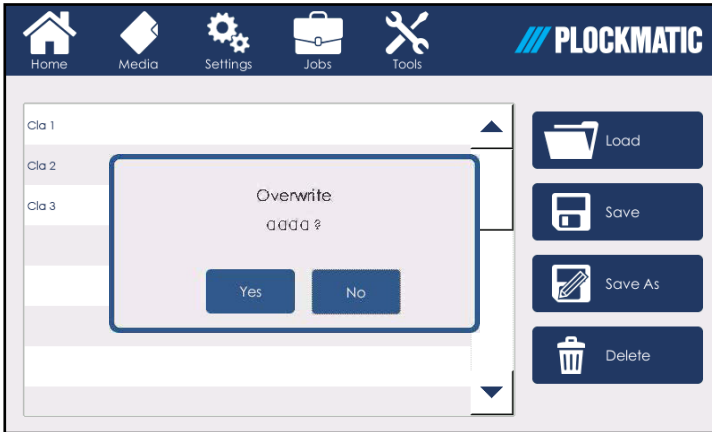


After having loaded a Job, the home screen will display its name.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Solutions

Saving a Job

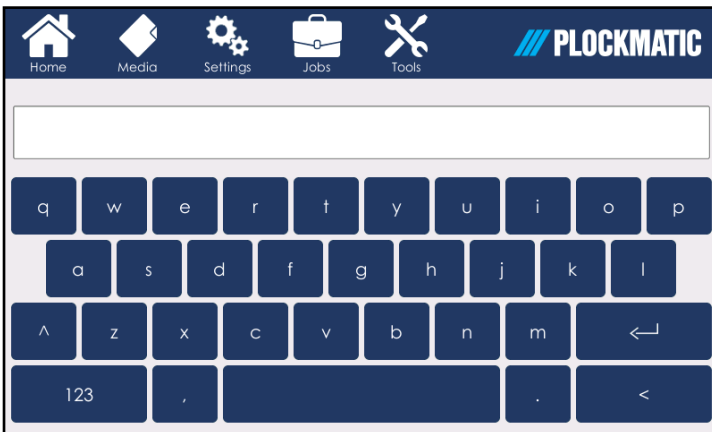


After having selected the Job from the job list, push the [Save] button to save changes to it.

Push [Yes] to confirm.

NOTE:
Before saving a Job, make sure to have pressed the green checkmark button on the Settings sub-menu (see "saving changes" in section 2).

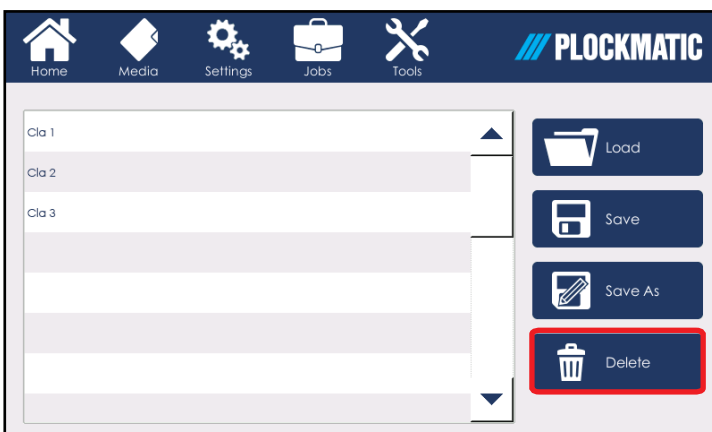
Saving a New Job



Push the [Save As] button from the Job sub-menu to save a new job and insert a new name.

The new job will be based on the last job loaded.

Deleting a Job



Select a Job from the saved Jobs list and delete it by pressing the [Delete] button.

Clearing Misfeeds

Clearing Misfeed(s)

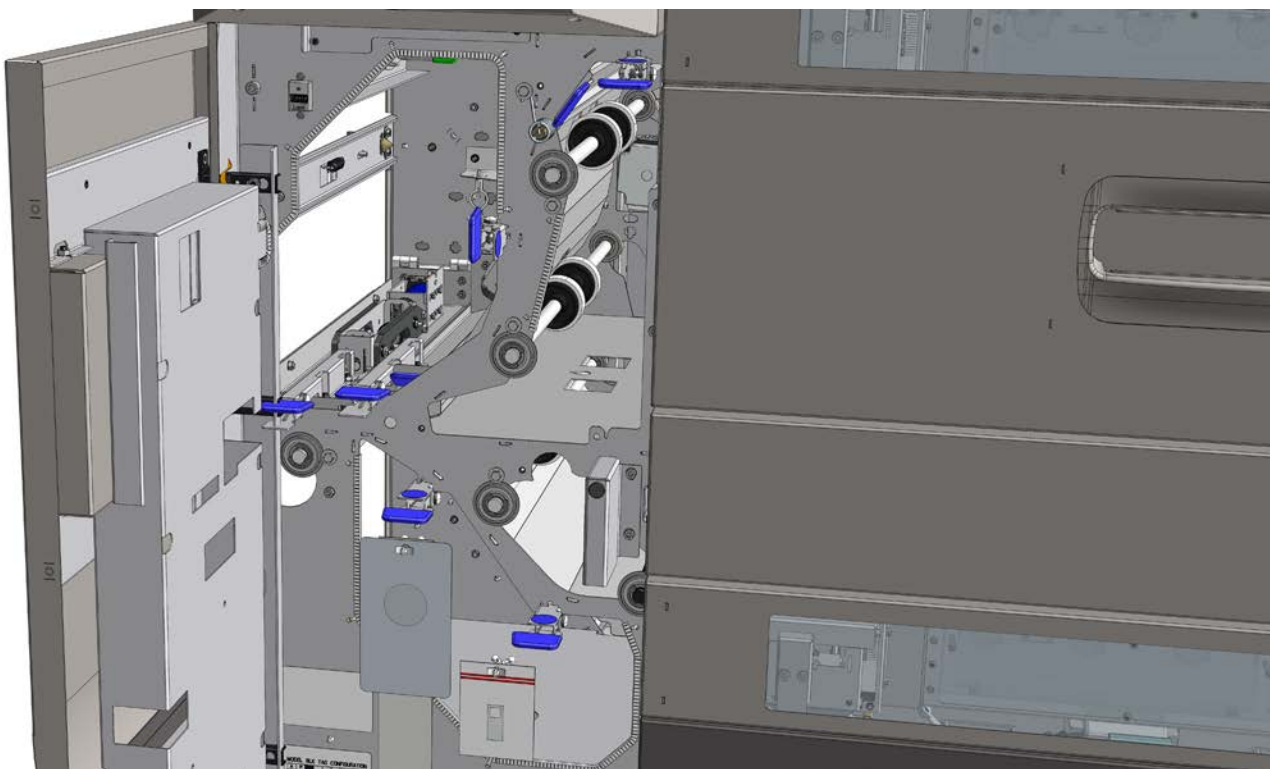
Misfeed / Jam in Feeder Tray

The affected tray will unlock.

- 1** Pull out the tray;
- 2** If the sheet has been misfed and isn't damaged, reposition and restart;
- 3** If sheet(s) are damaged, make sure to remove the complete set so that the next booklet is correct.

Misfeed / Jam in Paper Transport Area

- 1** Open the front door;
- 2** Pull blue handles [A] (8x) to open up baffles and remove damaged sheets.



Clearing Misfeeds

Misfeed / Jam in Long Sheet Module (LSM) Area (continued)

- 1 Release the Latch handle [A] and open the top hatch with the connected baffle;
- 2 Remove misfed sheet(s) and clear area of any debris or obstructions.



Clearing Misfeeds

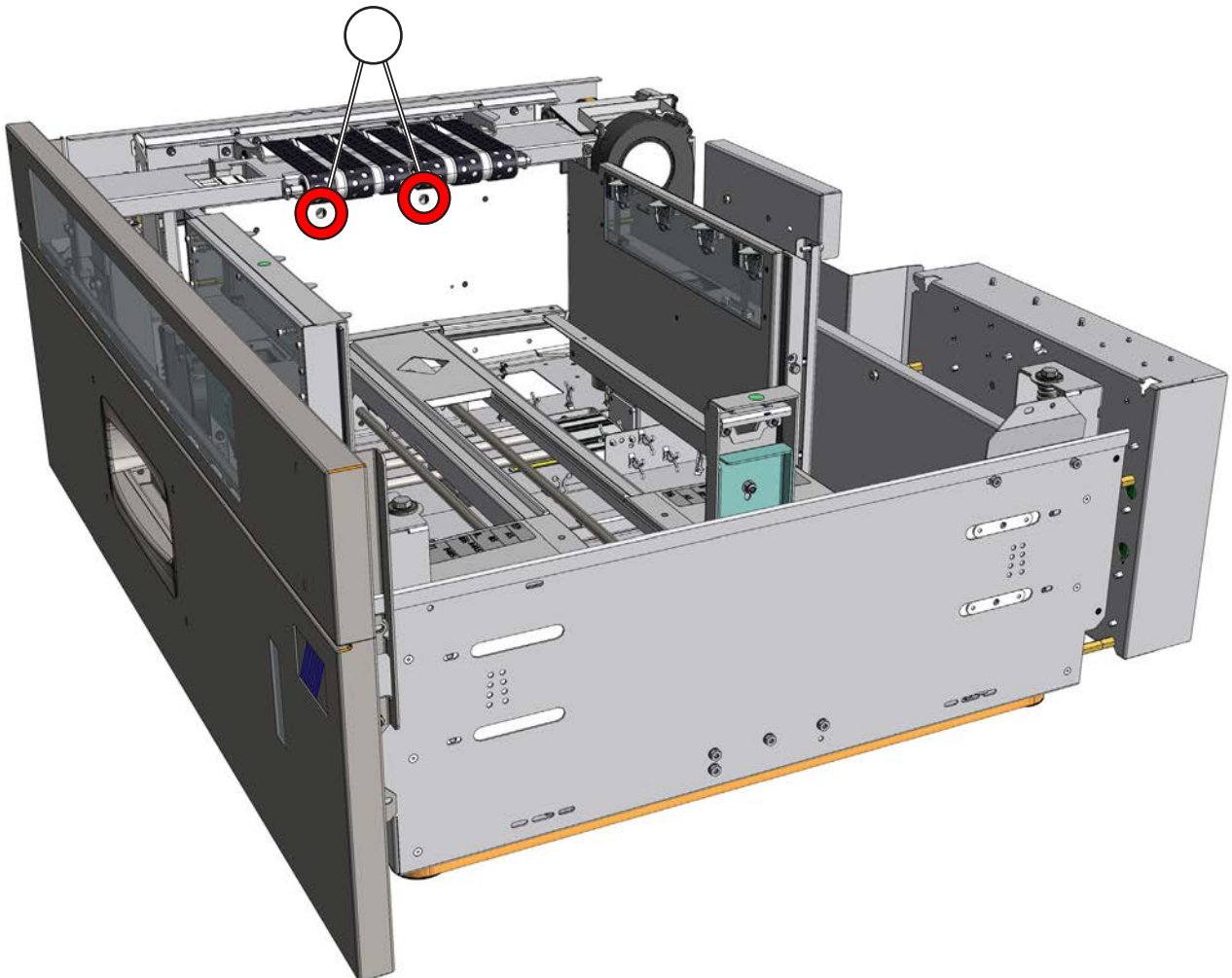
Misfeed / Jam in Vacuum Trays when feeding thick media

If you experience frequent misfeeds when feeding thick media (thicker than 350 gsm) from the vacuum trays, consider using Tray A (the optional LSM tray) instead. If your machine is not equipped with the optional LSM and you are feeding thick media from tray 4 (the lower tray), try using tray 3 (the upper tray). If changing from from tray 4 to tray 3 does not make any difference or if you are already feeding from tray 3 (or tray A), make sure that the paper path is clean, nothing is obstructing the sheets in the trays and that proper maintenance has been performed on the machine - see section 7 of this manual. If the problem is still not solved after having performed these checks and you are sure that media thickness is the causing misfeeds or jams, follow this procedure.



You will need to use a 3 mm allen key / hexagonal key to perform the adjustment described.

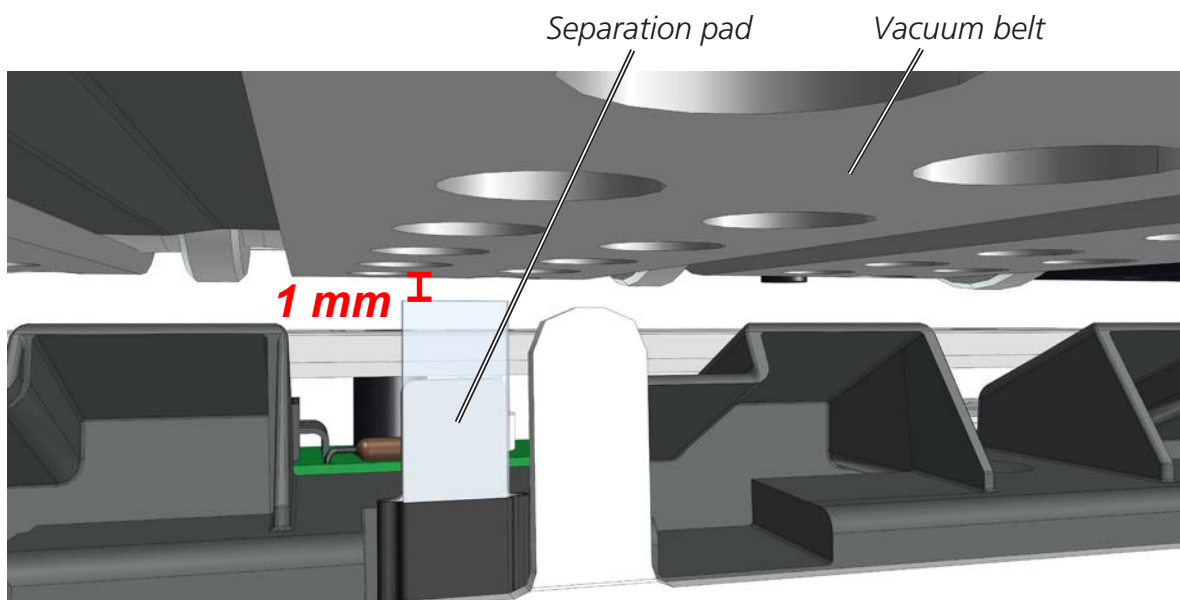
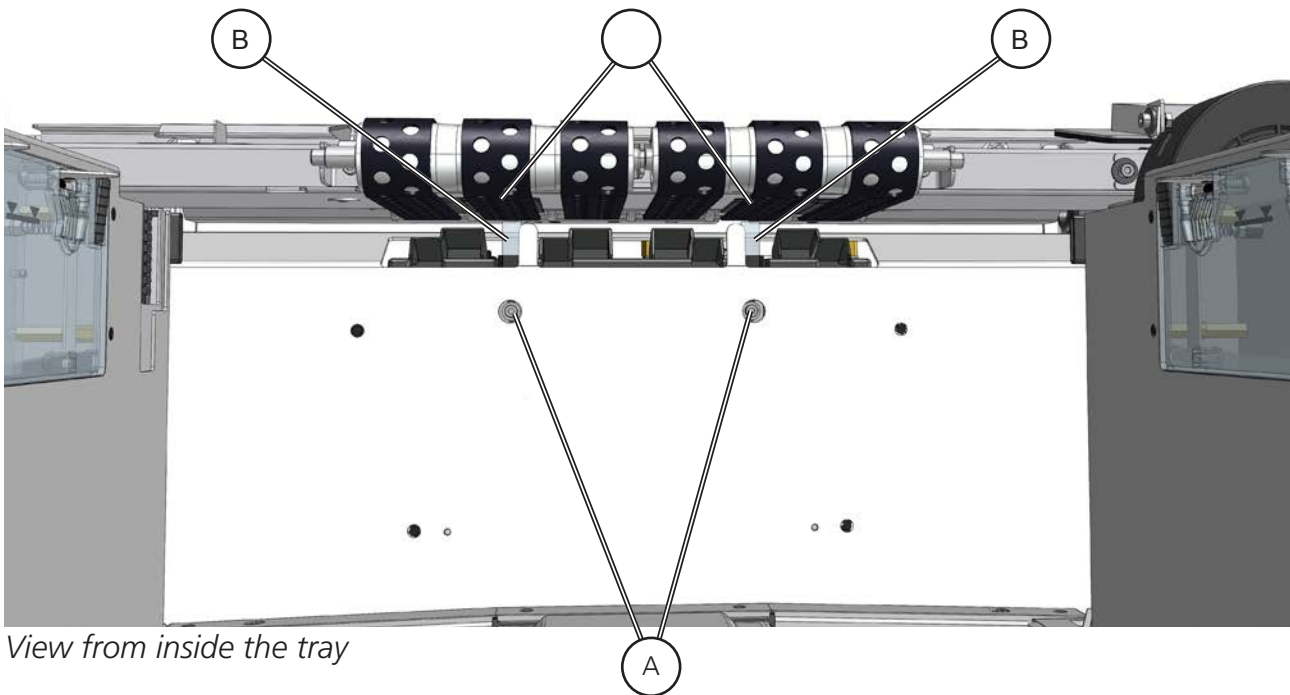
- 1 Open the relevant tray and remove any misfed paper;
- 2 Turn off the main power and disconnect the power cord;
- 3 Pull out the tray;
- 4 Locate the screws [A] (2x) in the tray: these screws hold the separation pads;



Clearing Misfeeds

Misfeed / Jam in Vacuum Trays when feeding thick media

- 5** Locate the separation pads [B] (2x) and the vacuum belts [C];
- 6** The separation pads are factory adjusted so that the distance between the top edge of the separation pads and the vacuum belts is equal to 1 mm. If feeding thick media (thicker than 350 gsm), this distance can be increased to avoid jams or misfeeds;
- 7** Loosen the screws [A] (2x) to move the separation pads [B] (2x) slightly downwards then tighten the screws [A] again. Run the job again and, if necessary, move the pads downwards again;
- 8** Once done with the job, reset the pads to their default distance as shown in the pictures below (1 mm from vacuum belts and top of the separation pads).



Separation pad and vacuum belt default adjustment

CIP Training Plockmatic LCT3500 Large Capacity Tray

Troubleshooting - Fault codes

General

When there is a misfeed or fault condition in the LCT, a message and fault code will be displayed on the UI. Some fault codes may be rectified by the operator, but some fault codes may only be rectified by an authorized technician.

To address fault codes other than those specified below, remove any paper in the paper path and power off and on the system. If the fault code persists, contact an authorized technician.

List of fault codes that can be rectified by the operator

Fault Code	Description
LCT-100/LCT-200	"Misfeed - Trays 3/4"
LCT-101/LCT-201	"Jam - Trays 3/4"
LCT-102/LCT-202	"Too Long - Trays 3/4"
LCT-103/LCT-203	"Too Short - Trays 3/4"
LCT-104/LCT-204	"Too Thick - Trays 3/4"
LCT-105/LCT-205	"DSD Functionality Uncertain - Trays 3/4"
LCT-106/LCT-206	"Too Thick US DSD - Trays 3/4"
LCT-107/LCT-207	"Tray Empty - Trays 3/4"
LCT-108/LCT-208	"Too Thin - Trays 3/4"
LCT-109/LCT-209	"Please Set Side Guides in Process Position - Trays 3/4"
LCT-110/LCT-210	"Overloaded - Trays 3/4"
LSM-300	"Misfeed, Tray A (LSM)"
LSM-301	"Jam, Tray A (LSM)"
LSM-302	"Too long, Tray A (LSM)"
LSM-303	"Too short, Tray A (LSM)"
LSM-304	"Too thick, Tray A (LSM)"
LSM-305	"DSD Functionality Uncertain, Tray A (LSM)"
LSM-306	"Too Thick US DSD, Tray A (LSM)"
LSM-307	"Tray empty, Tray A (LSM)"
LSM-308	"Too thin, Tray A (LSM)"
LSM-309	"Tray not in process position, Tray A (LSM)"
LSM-401	"Jam in LSM paper path"
LSM-450	"Clear paper area - LSM"
LSM-460	"Paper flow error Q521 - paper path LSM"
LSM-461	"Paper flow error Q522 - paper path LSM"
LCT-501	"Jam in LCT paper path"
LCT-550	"Clean paper path LCT"

CIP Training Plockmatic LCT3500 Large Capacity Tray

Troubleshooting - Fault codes

List of fault codes that can be rectified by the operator

Fault Code	Description
LCT-551	"Paper late to exit position"
LCT-560	"Paper flow error Q321 - LCT"
LCT-561	"Paper flow error Q322 - LCT"
LCT-562	"Paper flow error Q323 - LCT"
LCT-564	"Paper flow error Q325 - LCT"
LCT-565	"Paper flow error Q326 - LCT"

Clear Misfeed(s)

In general, fault codes indicate a misfeed condition. When a misfeed occurs, the message "Clear Misfeed(s)", a code and the jam area will be displayed. See Section 5. Clearing Misfeeds, for how to clear a misfeed.

Close cover(s)

When the message "Close Cover(s)" is displayed, one or several of the interlock switches are actuated. Check that all covers are closed.

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-100/200 Misfeed Tray 3/4

Misfeed is a paper flow error detection. Misfeed checks if a sheet is moved correctly from paper pile to optical DSD sensor. Time is measured from the start of the drive roller (used to feed and separate a sheet from the paper pile) until the optical DSD sensor can see the leading paper edge. A Misfeed condition is generated if this measured time is too long.

Actions:

- Ensure that DSD sensor Q101/201 is clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Check that there are no obstructions in the paper path
- Turn off Optical DSD sensor from the Settings page

LCT-101/201 Jam Tray 3/4

Jam is a paper flow error detection. Jam checks if a sheet is moved past the optical DSD sensor correctly. Time is measured from when the optical DSD sensor sees the leading paper edge until the optical DSD sensor sees the trailing paper edge. A Jam condition is generated if this measured time is too long.

Actions:

- Ensure that DSD sensor Q101/201 is clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Check that there are no obstructions in the paper path
- Turn off Optical DSD sensor from the Settings page

LCT-102/202 Too Long, Tray 3/4

Too Long is a paper length error detection. Too long checks if a sheet is too long when it passes the optical DSD sensor Q101/201. Time is measured from when the optical DSD sensor sees the leading paper edge until the optical DSD sensor sees the trailing paper edge. A Too Long condition is generated if the measured time is too long, but not long enough to generate a Jam. The sheet will be held in subsequent unit.

Actions:

- Open subsequent unit and remove sheet.
- **See Misfeed Tray 3/4 Actions.**

LCT-103/203 Too Short, Tray 3/4

Too Short is a paper length error detection. Too Short checks if a sheet is too short when it passes the optical DSD sensor Q101/201. Time is measured from the situation when the optical DSD sensor sees the leading paper edge until the optical DSD sensor sees the trailing paper edge. A Too Short condition is generated if the measured time is too short. The sheet will be held in subsequent unit.

Actions:

- **See Misfeed Tray 3/4 Actions.**

 **NOTE:** For components locations, refer to the **Guide to Components** section.

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-104/204 Too Thick, Tray 3/4

Too Thick is a paper thickness error detection. Too Thick checks if a sheet is too thick when it passes the optical DSD sensor Q101/201. When the optical DSD sensor sees the leading paper edge, thickness is measured. A Too Thick condition is generated if the measured thickness on a sheet is too thick compared to the calibration sheet. The sheet will be held in subsequent unit.

Actions:

- Open subsequent unit and remove sheet.
- **See Misfeed Tray 3/4 Actions.**

LCT-105/205 DSD Functionality Uncertain, Tray 3/4 (Optical Sensor)

DSD functionality uncertain is a warning that can be generated at calibration. DSD functionality uncertain checks if the sheet thickness is within reading range for the optical DSD sensor Q101/201.

Actions:

- **See Misfeed Tray 3/4 Actions.**

LCT-106/206 Too Thick US DSD, Tray 3/4

Too thick US DSD is a paper thickness error detection. Too thick US DSD checks if a sheet is too thick when it passes the ultrasonic DSD sensor Q102/202. When the ultrasonic DSD sensor sees the leading paper edge, thickness is measured. A Too Thick condition is generated if the measured thickness on a sheet is too thick.

Actions:

- Ensure that US DSD sensor Q102/202 is clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Check that there are no obstructions in the paper path

LCT-107/207 Tray Empty, Tray 3/4

Tray Empty is a paper present detection. Tray Empty checks if sheets are present in the activated tray during process. A Tray Empty condition is generated if sensor Q105/205 cannot see any paper.

Actions:

- Refill paper
- If there is paper in the tray, remove paper and clean the tray empty sensor

 **NOTE:** For components locations, refer to the **Guide to Components** section.

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-108/208 Too Thin, Tray 3/4

Too Thin is a paper thickness error detection. Too Thin checks if a sheet is too thin when it passes the optical DSD sensor Q101/201. When the optical DSD sensor sees the lead-ing paper edge, thickness is measured. A Too Thin condition is generated if the measured thickness on a sheet is too thin compared to the calibration sheet. The sheet will be held in subsequent unit.

Actions:

- Open subsequent unit and remove sheet.
- **See Misfeed Tray 3/4 Actions.**

LCT-109/209 Please Set Side Guides in Process Position

This error code is displayed if the SP Sensor cannot see the stack of paper. If the opera-tor forgets to set side guides properly (inwards, touching the sides of the paper stack), this fault code will be displayed and the tray will open automatically.

Actions:

- Move the Side Guides inwards so they touch the sides of the paper stack

LCT-110/210 Overloaded

Actions:

- Remove the extra paper from the tray
- Ensure that the sensor is clean
- Check that there are no obstructions between the sensor and the stack of paper.

LCT-300 Misfeed Tray A (LSM)

Misfeed is a paper flow error detection. Misfeed checks if a sheet is moved correctly from the paper pile to DSD sensor. Time is measured from the start of the drive roller (used to feed and separate a sheet from the paper pile) until the DSD sensor can see the leading paper edge. A Misfeed condition is generated if this measured time is too long.

Actions:

- Ensure that DSD sensors Q501/502 are clean and calibrated properly (see sensor cali-bration procedure in this section of the manual)
- Check that there are no obstructions in the paper path
- Turn off the DSD sensor from the Settings page

 **NOTE:** For components locations, refer to the **Guide to Components** section.

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-301 Jam Tray A (LSM)

Jam is a paper flow error detection. Jam checks if a sheet is moved past the DSD sensor correctly. Time is measured from when the DSD sensor sees the leading paper edge until the DSD sensor sees the trailing edge of the paper. A Jam condition is generated if this measured time is too long.

Actions:

- Ensure that DSD sensors Q501/502 is clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Check that there are no obstructions in the paper path
- Turn off DSD sensor from the Settings page

LCT-302 Too Long ,Tray A (LSM)

Too Long is a paper length error detection. Too long checks if a sheet is too long when it passes the DSD sensors Q501/502. Time is measured from when the DSD sensor sees the leading paper edge until the DSD sensor sees the trailing edge of the paper. A Too Long condition is generated if the measured time is too long, but not long enough to generate a Jam. The sheet will be held in subsequent unit.

Actions:

- Open subsequent unit and remove sheet.
- **See Misfeed Tray A (LSM) Actions.**

LCT-303 Too Short, Tray A (LSM)

Too Short is a paper length error detection. Too Short checks if a sheet is too short when it passes the DSD sensors Q501/502. Time is measured from the situation when the DSD sensor sees the leading paper edge until the DSD sensor sees the trailing edge of the paper. A Too Short condition is generated if the measured time is too short. The sheet will be held in subsequent unit.

Actions:

- Open subsequent unit and remove sheet.
- **See Misfeed Tray A (LSM) Actions.**

LCT-304 Too Thick, Tray A (LSM)

Too Thick is a paper thickness error detection. Too Thick checks if a sheet is too thick when it passes the optical DSD sensor Q501. When the optical DSD sensor sees the leading paper edge, thickness is measured. A Too Thick condition is generated if the measured thickness on a sheet is too thick compared to the calibration sheet. The sheet will be held in subsequent unit.

Actions:

- Open subsequent unit and remove sheet.
- **See Misfeed Tray A (LSM) Actions.**

 **NOTE:** For components locations, refer to the **Guide to Components** section.

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-305 DSD Functionality Uncertain, Tray A (LSM)

DSD functionality uncertain is a warning that can be generated at calibration. DSD functionality uncertain checks if the sheet thickness is within reading range for the optical DSD sensor Q501.

Actions:

- See **Misfeed Tray A (LSM) Actions**.

LCT-306 Too Thick US DSD, Tray A (LSM)

Too thick US DSD is a paper thickness error detection. Too thick US DSD checks if a sheet is too thick when it passes the ultrasonic DSD sensor Q502. When the ultrasonic DSD sensor sees the leading paper edge, thickness is measured. A Too Thick condition is generated if the measured thickness on a sheet is too thick.

Actions:

- Ensure that US DSD sensor Q502 is clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Check that there are no obstructions in the paper path

LCT-307 Tray Empty, Tray A (LSM)

Tray Empty is a paper present detection. Tray Empty checks if sheets are present in the activated tray during process. A Tray Empty condition is generated if sensor Q505 cannot see any paper.

Actions:

- Refill paper
- If there is paper in the tray, remove paper and clean the tray empty sensor

LCT-308 Too Thin, Tray A (LSM)

Too Thin is a paper thickness error detection. Too Thin checks if a sheet is too thin when it passes the optical DSD sensor Q501. When the optical DSD sensor sees the leading paper edge, thickness is measured. A Too Thin condition is generated if the measured thickness on a sheet is too thin compared to the calibration sheet. The sheet will be held in subsequent unit.

Actions:

- Open subsequent unit and remove sheet.
- See **Misfeed Tray A (LSM) Actions**.

 **NOTE:** For components locations, refer to the **Guide to Components** section.

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-309 Tray A not in process position, Tray A (LSM)

Tray A not in process position is a tray position error detection. Tray A not in process position checks if the load lock handle is released and that the tray is in the process position. A Tray A not in process position is generated if sensor Q506 can detect the load lock mechanism.

Actions:

- Release Load lock handle from loading position.

LCT-401 Jam in LSM paper path

Jam in LSM paper path is a paper check error detection. Jam in LSM paper path checks if a sheet is in paper path on sensors Q521/Q522 at cycle down. A Jam condition is generated if any sensor is covered.

Actions:

- Ensure that sensors Q521/522 are clean.
- Check that there are no obstructions in the paper path

LCT-450 Clear paper path LSM

Clear paper path LSM indicates that there is paper inside paper path Q521/522 after closing jam clearance baffle (top cover of the LSM). A jam condition is generated if any sensor is covered.

Actions:

- Ensure that sensors Q521/522 are clean.
- Check that there are no obstructions in the paper path

LCT-460 Paper flow error Q521

Paper flow error Q521 is a paper flow error detection. Paper flow error checks sensor status during running, both previous and following sensors in transport direction are checked when paper leading/trailing edge is detected by a paper path sensor. Sensors Q501/Q502 and Q522 are checked when paper leading edge comes to Q521. Q501/Q502 should be covered and Q522 should be uncovered. Sensor Q501/Q502 and Q522 are also checked when paper trailing edge comes to Q521. Q501/Q502 should be uncovered and Q522 should be covered. A jam condition is generated if the described status is not detected.

Actions:

- Ensure that US DSD sensor Q502 is clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Check that there are no obstructions in the paper path

 **NOTE:** For components locations, refer to the **Guide to Components** section.

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-461 Paper flow error Q522

Paper flow error Q522 is a paper flow error detection. Paper flow error checks sensor status during running, both previous and following sensors in transport direction are checked when paper leading/trailing edge is detected by a paper path sensor. Sensors Q521 and Q322 are checked when paper leading edge comes to Q522. Q521 should be covered and Q322 should be uncovered.

Sensor Q521 and Q322 are also checked when paper trailing edge comes to Q522. Q521 should be uncovered and Q322 should be covered. A jam condition is generated if the described status is not detected.

Actions:

- Ensure that US DSD sensor Q502 is clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Check that there are no obstructions in the paper path

LCT-501 Jam in LCT paper path

Jam in LCT paper path is a paper check error detection. Jam in LCT paper path checks if a sheet is in the paper path on sensors Q321/322/323/325/326/327 at cycle down. A jam condition is generated if any of these sensors is covered.

Actions:

- Ensure that sensors Q321/322/323/325/326/327 are clean (these sensors are located on the vertical paper path of the LCT. Reach these sensors by opening the front door and the jam clearance baffles)
- Check that there are no obstructions in the paper path

LCT-550 Clear paper path LCT

Clear paper path LCT indicate that there are sheets inside paper path detected by Q321/322/323/325/326/327 after closing jam clearance door. A jam condition is generated if any of these sensors is covered.

Actions:

- Ensure that sensors Q321/322/323/325/326/327 are clean (these sensors are located on the vertical paper path of the LCT. Reach these sensors by opening the front door and the jam clearance baffles)
- Check that there are no obstructions in the paper path

LCT-551 Paper late to exit position

Paper late to exit position is a paper flow error detection. Paper late to exit position error checks that paper is in exit position Q327 when the printer asks for paper. A Jam condition is generated if Q327 is not covered in time.

Actions:

- Ensure that sensor Q327 is clean (this sensor is mounted on the clearance baffle located on the exit side of the machine, the closest one to the downstream device)
- Check that there are no obstructions in the paper path

Troubleshooting - Fault codes

Fault Codes (Continued)

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-560 Paper flow error Q321

Paper flow error Q321 is a paper flow error detection. Paper flow error checks sensor status during running, both previous and following sensors in transport direction is checked when paper leading/trailing edge is detected by a paper path sensor. Sensor Q101/Q102 and Q322 are checked when paper leading edge comes to Q321. Q101/Q102 should be covered and Q322 should be uncovered. Sensor Q101/Q102 and Q322 are also checked when paper trailing edge comes to Q321. Q101/Q102 should be uncovered and Q322 should be covered. A Jam condition is generated if the described status is not detected.

Actions:

- Ensure that DSD sensors Q501/502 are clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Ensure that sensors Q321/322 are clean (these sensors are located in the LCT, on the two jam clearance baffles closest to the LSM)
- Check that there are no obstructions in the paper path

LCT-561 Paper flow error Q322

Paper flow error Q322 is a paper flow error detection. Paper flow error checks sensor status during running, both previous and following sensors in transport direction are checked when paper leading/trailing edge is detected by a paper path sensor. Sensors Q321 and Q323 are checked when paper leading edge comes to Q322. Q321 should be covered and Q323 should be uncovered. Sensors Q321 and Q323 are also checked when paper trailing edge comes to Q322. Q321 should be uncovered and Q323 should be covered. A Jam condition is generated if the described status is not detected.

Actions:

- Ensure that sensor Q321/322/323 are clean (these sensors are located in the LCT, on the two jam clearance baffles closest to the LSM)
- Check that there are no obstructions in the paper path

LCT-562 Paper flow error Q323

Paper flow error Q323 is a paper flow error detection. Paper flow error checks sensor status during running, both previous and following sensors in transport direction are checked when paper leading/trailing edge is detected by a paper path sensor. Sensor Q322 and Q327 are checked when paper leading edge comes to Q323. Q322 should be covered and Q327 should be uncovered. Sensor Q322 and Q327 are also checked when paper trailing edge comes to Q323. Q322 should be uncovered and Q327 should be covered. A Jam condition is generated if the described status is not detected.

Actions:

- Ensure that sensors Q322/323/327 are clean (Q322 and Q323 are located in the LCT, on the biggest jam clearance baffle on the higher part of the machine. Q327 is mounted on the clearance baffle located on the exit side of the LCT, the closest one to the down-stream device)
- Check that there are no obstructions in the paper path

Troubleshooting - Fault codes

Fault Codes

 **NOTE:** For components locations, refer to the **Guide to Components** section.

LCT-564 Paper flow error Q325

Paper flow error Q325 is a paper flow error detection. Paper flow error checks sensor status during running, both previous and following sensors in transport direction are checked when paper leading/trailing edge is detected by a paper path sensor. Sensor Q201/Q202 and Q326 are checked when paper leading edge comes to Q325. Q201/Q202 should be covered and Q326 should be uncovered. Sensor Q201/Q202 and Q326 are also checked when paper trailing edge comes to Q325. Q201/Q122 should be uncovered and Q326 should be covered. A jam condition is generated if the described status is not detected.

Actions:

- Ensure that DSD sensors Q501/502 are clean and calibrated properly (see sensor calibration procedure in this section of the manual)
- Ensure that sensor Q325/326 are clean (these sensors are located in the LCT, on the jam clearance baffle on the lower part of the machine)
- Check that there are no obstructions in the paper path

LCT-565 Paper flow error Q326

Paper flow error Q326 is a paper flow error detection. Paper flow error checks sensor status during running, both previous and following sensors in transport direction are checked when paper leading/trailing edge is detected by a paper path sensor. Sensor Q325 and Q327 are checked when paper leading edge comes to Q326. Q325 should be covered and Q327 should be uncovered. Sensor Q325 and Q327 are also checked when paper trailing edge comes to Q326. Q325 should be uncovered and Q327 should be covered. A jam condition is generated if the described status is not detected.

Actions:

- Ensure that sensor Q325/326/327 are clean (Q325 and Q326 are located in the LCT, on the jam clearance baffle on the lower part of the machine. Q327 is mounted on the clearance baffle located on the exit side of the LCT, the closest one to the downstream device)
- Check that there are no obstructions in the paper path

 **NOTE:** For components locations, refer to the **Guide to Components** section.

Jam recovery manual setting

In the following pages is the procedure for jam recovery using manual settings. Before starting the adjustments, make sure that all the parameters are set to "auto" mode. Refer to "setting sub-menus" in section 2 for how to adjust FAN power, Process Position and Pickup Time.

Refer to "testing the changes" in section 2 to check if the sheets are floating correctly. Refer to "Job Preparation" in section 1 for how to measure paper curl.

Troubleshooting - Jam recovery

Jam recovery manual setting

Miss error

When the message "miss" is displayed, the paper is not being fed from the trays.

Procedure

Does paper have cross process direction curl?

N

Y

Measure paper curl: if paper curl is negative, decrease process position by that amount, if paper curl is positive, increase process position by that amount.

Sheets are floating correctly

N

Y

Exit

Decrease Process Position by 2 and check if the sheets are floating correctly.

Sheets are floating correctly

N

Y

Exit

Increase Vacuum pickup time by 30 ms and run a job to test if the sheets are fed correctly.

Sheets are fed correctly

N

Y

Exit

Increase Front Flow Air by 10% and check if sheets are floating correctly.

Sheets are floating correctly

N

Y

Exit

Increase Separation Air by 10% and check if sheets are floating correctly.

Sheets are floating correctly

N

Y

Exit

Increase Vacuum Air by 10% and check if sheets are floating correctly. If Vacuum Air is already set at 100% skip this step.

Sheets are floating correctly

N

Y

Exit

Increase rear float air by 10% and check if sheets are floating correctly.

Sheets are floating correctly

N

Y

Exit

Repeat the procedure until sheets float correctly.



Stack of unseparated paper

If the LCT is set correctly, the sheets will be floating horizontally with equal amounts of separation between sheets.

- For 80 gsm paper approx 15-20 sheets shall be floating
- For 150 gsm paper approx 12 - 16 sheets shall be floating
- For 300 gsm approx 6-10 sheets shall be floating

Troubleshooting - Jam recovery

Jam recovery manual setting

Jam, Too long, Too thick errors

When one of these messages is displayed, there might be jam or a double sheet detection in the trays.

Procedure

Does paper have cross process direction curl?

N **Y**
|
Measure paper curl: if paper curl is negative, decrease process position by that amount, if paper curl is positive, increase process position by that amount.
Sheets are floating correctly

N **Y**
 | Exit
Increase Process Position by 2 and check if the sheets are floating correctly.
Sheets are floating correctly

N **Y**
| Exit
Increase Vacuum pickup time by 30 ms and run a job to test if the sheets are fed correctly.
Sheets are fed correctly

N **Y**
| Exit
Decrease Front Float Air by 10% and check if sheets are floating correctly.
Sheets are floating correctly

N **Y**
| Exit
Decrease Separation Air by 10% and check if sheets are floating correctly.
Sheets are floating correctly

N **Y**
| Exit
Decrease Vacuum Air by 10% and check if sheets are floating correctly.
Sheets are floating correctly

N **Y**
| Exit
Decrease rear float air by 10% and check if sheets are floating correctly.
Sheets are floating correctly

N **Y**
| Exit
Repeat the procedure until sheets float correctly.



Stack of unseparated paper

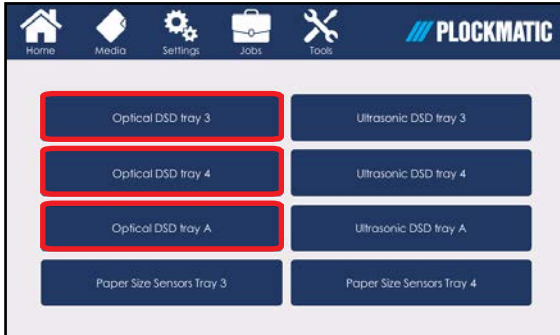
If the LCT is set correctly, the sheets will be floating horizontally with equal amounts of separation between sheets.

- For 80 gsm paper approx 15-20 sheets shall be floating
- For 150 gsm paper approx 12 - 16 sheets shall be floating
- For 300 gsm approx 6-10 sheets shall be floating

CIP Training Plockmatic LCT3500 Large Capacity Tray

Troubleshooting

Optical Sensor Calibration

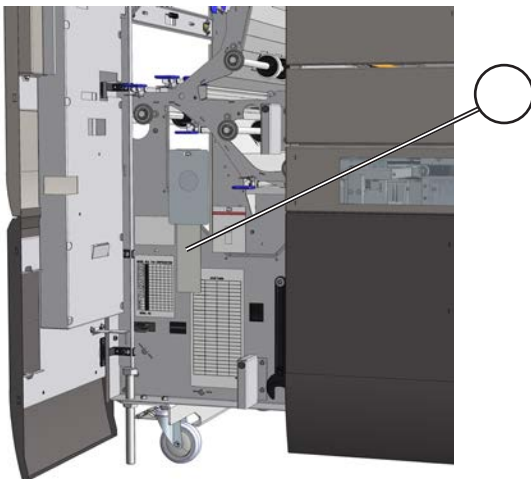
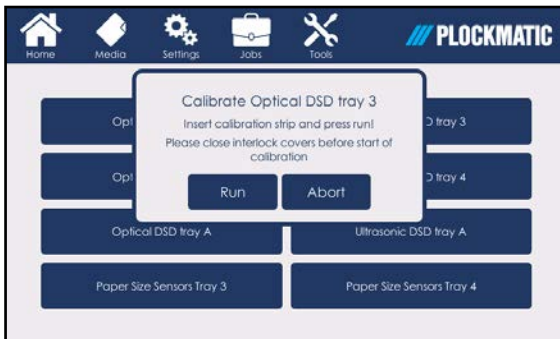


Sensors should be calibrated if the machine noticeably increases in frequency of misfeeds.

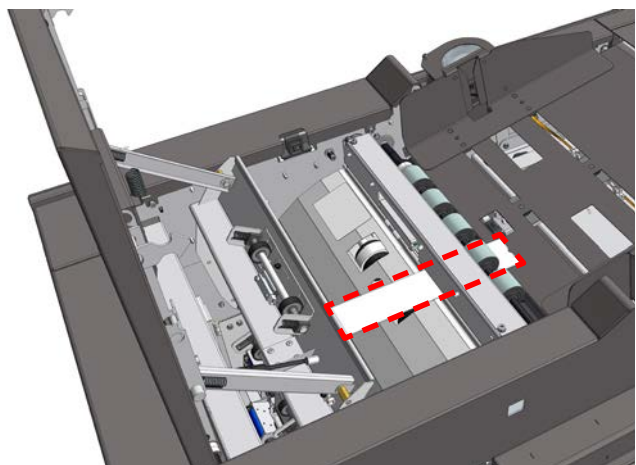
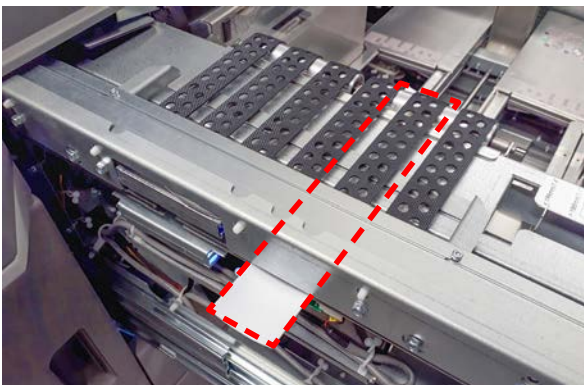
Calibration sub-menus for Optical DSD Sensor, Ultrasonic DSD Sensor may be selected from the Tools Menu.

Procedure - Calibration of Optical DSD:

- Select **Optical DSD tray 3** to calibrate the upper tray's sensor;
- Select **Optical DSD tray 4** to calibrate the lower tray's sensor;
- The selected tray opens;
- Select **Optical DSD tray A** to calibrate the LSM optical sensor and open the LSM top cover;
- Open the LCT door and fetch the DSD Calibration Strip [A];
- Place the Calibration Strip as shown in the pictures below;
- Press **[Run]**;
- Calibration complete. If calibration fails, old settings will be kept.



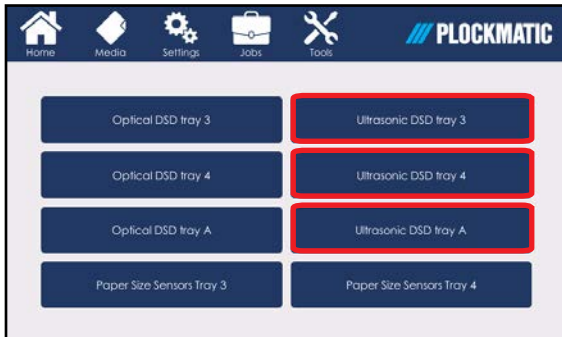
Optical DSD Calibration Strip



CIP Training Plockmatic LCT3500 Large Capacity Tray

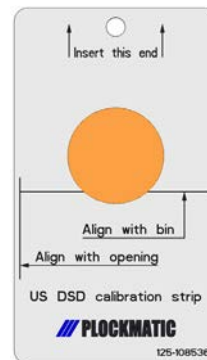
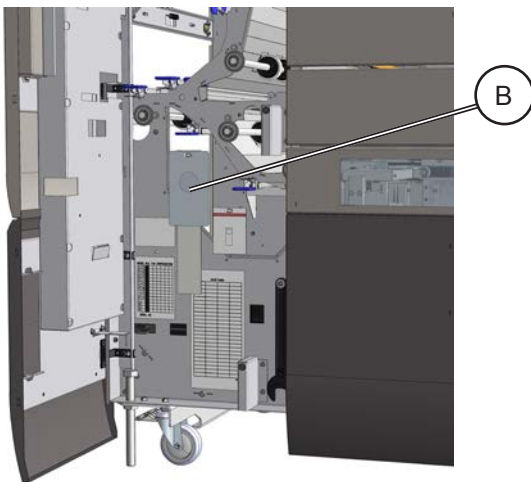
Troubleshooting

Ultrasonic Sensor Calibration

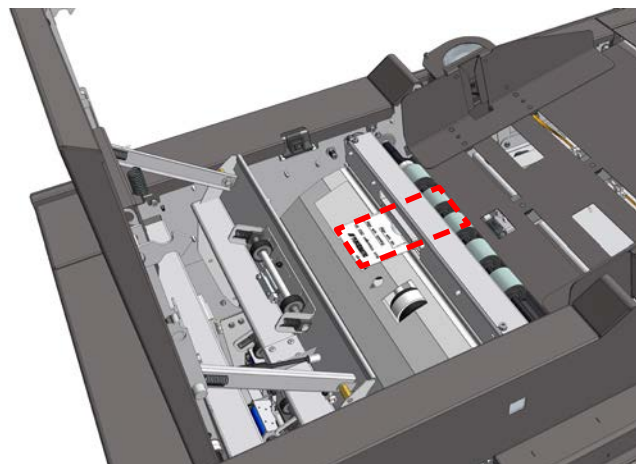
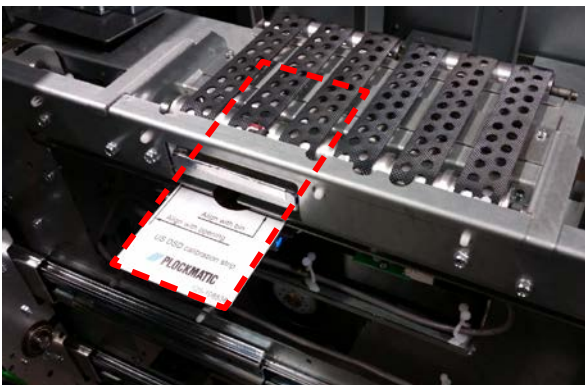


Procedure - Calibration of Ultrasonic DSD:

- Select **Ultrasonic DSD Tray 3** to calibrate the upper tray's sensor;
- Select **Ultrasonic DSD Tray 4** to calibrate the lower tray's sensor;
- The selected tray opens;
- Select **Optical DSD tray A** to calibrate the LSM US sensor and open the LSM top cover;
- Open the LCT door and fetch the Ultrasonic DSD Calibration Strip [B];
- Place the Calibration Strip as shown in the pictures below. It shall be centered relative to the US DSD Sensor;
- Press **[Run]**;
- Calibration complete. If calibration fails, old settings will be kept.

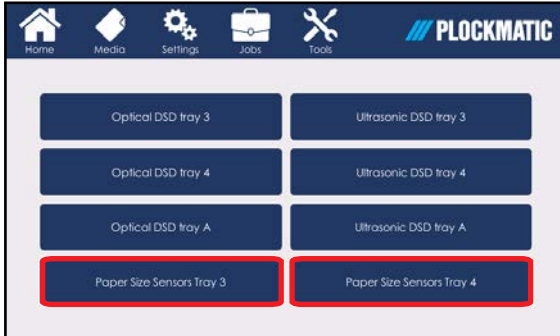


US DSD Calibration Strip



Troubleshooting

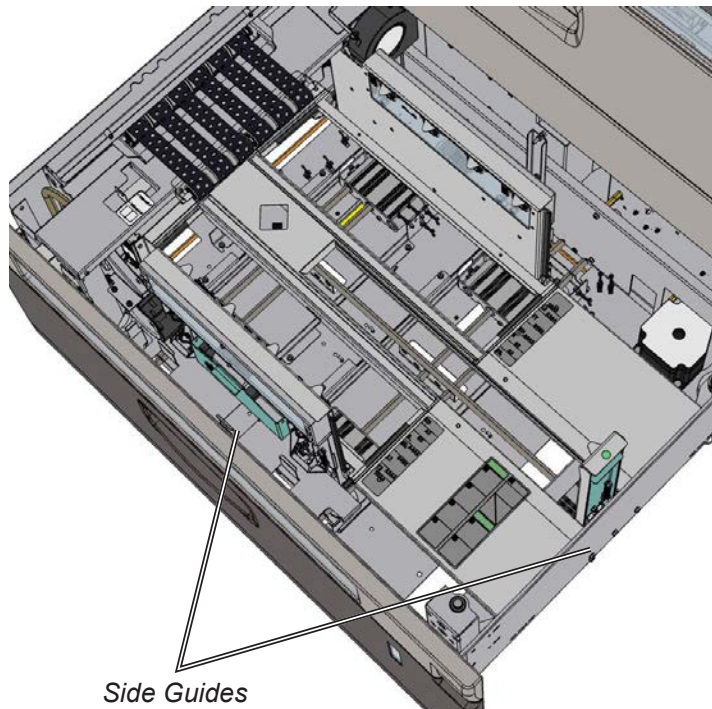
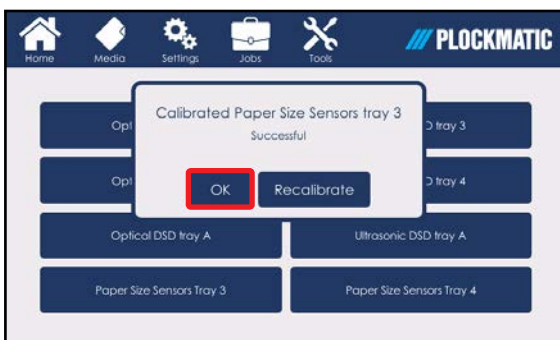
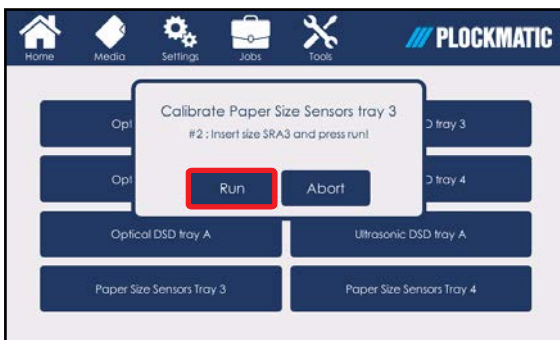
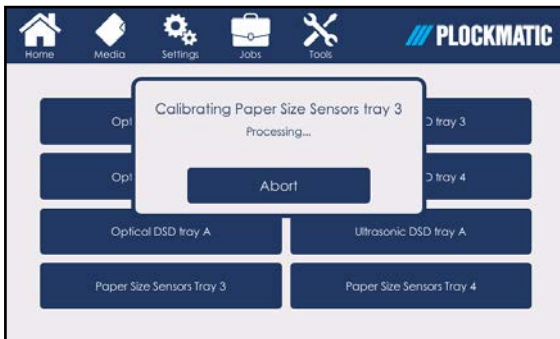
Paper Sensors Calibration Tray 3/4



Sensors should be calibrated if the LCT does not recognise correctly the paper loaded into the trays. Calibration sub-menus may be selected from the Tools Menu.

Procedure - Paper Sensors Calibration Tray:

- Select **Paper Size Sensors Tray 3** to calibrate the upper tray's sensors;
- Select **Paper Size Sensors Tray 4** to calibrate the lower tray's sensors;
- The selected tray opens;
- Insert a stack of paper - check the paper size on the user interface - in the relevant tray;
- Adjust the side guides so that they touch the stack of paper;
- Press **[Run]**;
- "Calibrating Paper Size Sensors Tray 3/4" will appear on the User Interface;
- Wait until the calibration is done and then remove the stack of paper from the tray;
- Insert another stack of paper - check the paper size on the user interface - in the relevant tray;
- Adjust the side guides so that they touch the stack of paper;
- Press **[Run]**;
- "Calibrating Paper Size Sensors Tray 3/4" will appear on the User Interface;
- Wait until the calibration process is finished.



Side Guides

CIP Training Plockmatic LCT3500 Large Capacity Tray

Do's And Don'ts

- Always follow all warnings marked on, or supplied with, the equipment.
- Always exercise care in moving or relocating the equipment.

Caution

Unplug the power cord from the wall outlet and machine before you move or relocate the equipment.

- Do not remove the covers or guards that are fastened with screws.
- Do not override or bypass electrical or mechanical interlock devices.
- Do not operate the equipment if you notice unusual noises or odours. Disconnect the power cord from the power source and call your authorized technician to correct the problem.

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

NOTE:

The domestic environment is an environment where the use of broadcast radio and television receivers may be expected within a distance of 10 m of the apparatus concerned.

- Do not switch off the power while the machine is running. Make sure the machine cycle has ended.
- Do not open covers while the machine is running.
- Do not move machine while the machine is running.
- Do not make arbitrary changes to the machine

Where to Put Your Machine

Machine Environment

- Always locate the equipment on a solid support surface with adequate strength for the weight of the machine
- Always keep magnets and all devices with strong magnetic fields away from the machine

If the place of installation is air-conditioned or heated, do not place the machine where it will be:

- Subjected to sudden temperature changes
- Directly exposed to cool air from an air-conditioner
- Directly exposed to heat from a heater

Power Connection

- **Always** connect the equipment to a properly grounded power source. If in doubt, have the power source checked by a qualified electrician

Warning

Improper grounding of the equipment can result in electrical shock

- **Never** connect the machine to a power source that lacks a ground connection terminal. A missing ground will cause damage to electronics and cause machine malfunctions

CIP Training Plockmatic LCT3500 Large Capacity Tray

Maintaining Your Machines

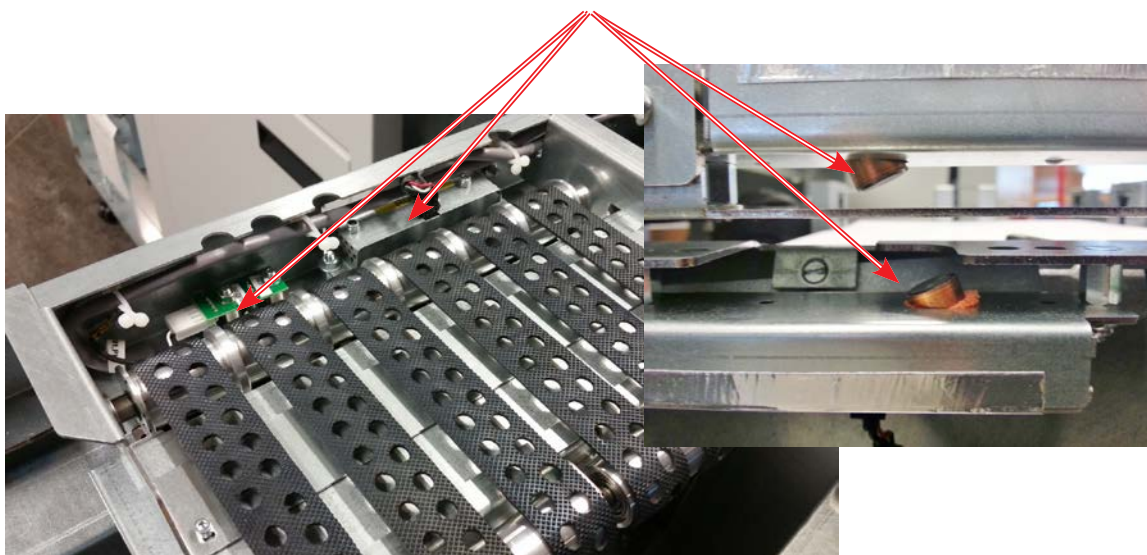
Never attempt any maintenance function that is not specifically described in this documentation.

Maintenance

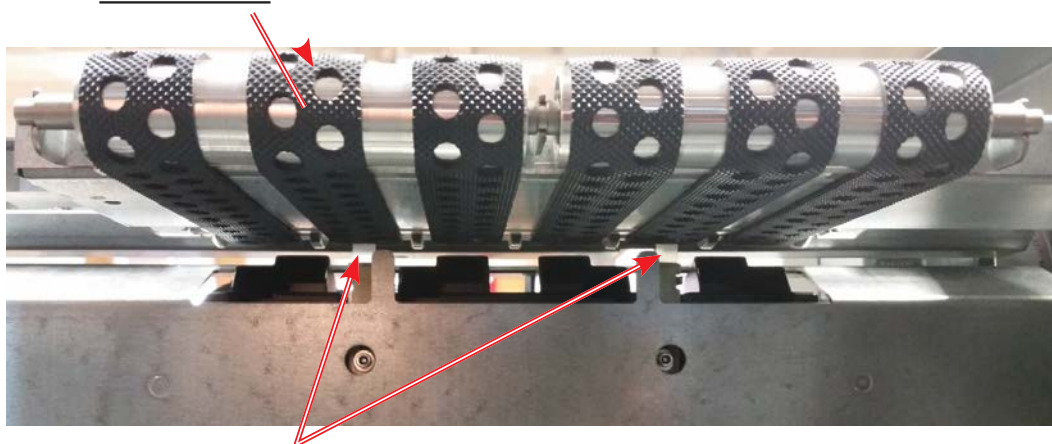
Cleaning

An increasing number of misfeeds may indicate a need to clean the LCT. Clean every 50 000 cycles or when the number of misfeeds increases. Use a vacuum cleaner, towels and brushes for general purpose cleaning of the paper path, trays, etc. In addition, follow the detailed cleaning instructions below:

1. Remove dust from the double sheet detector sensors with a dry, soft cloth.



2. Clean the suction belts with rubber reactivator alcohol.



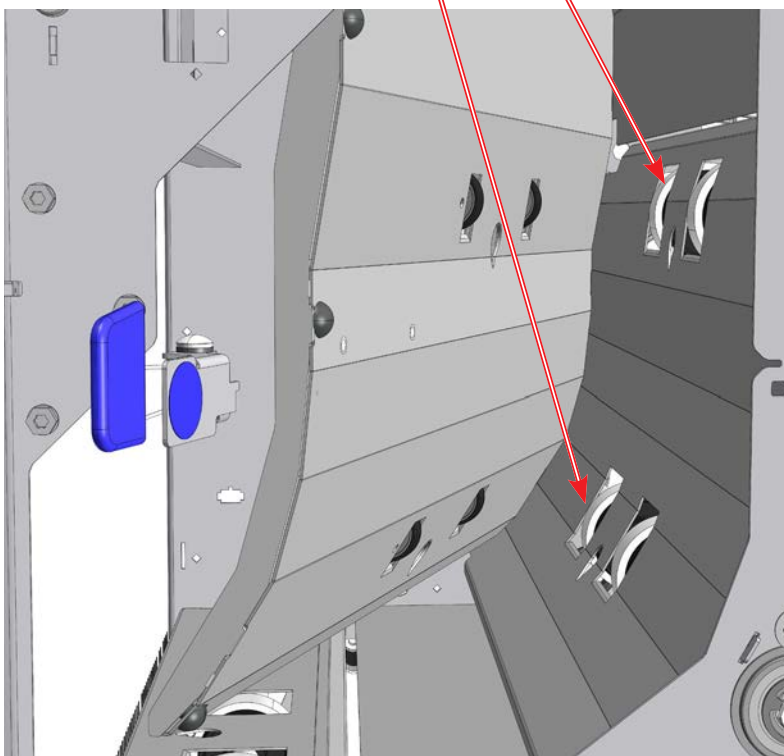
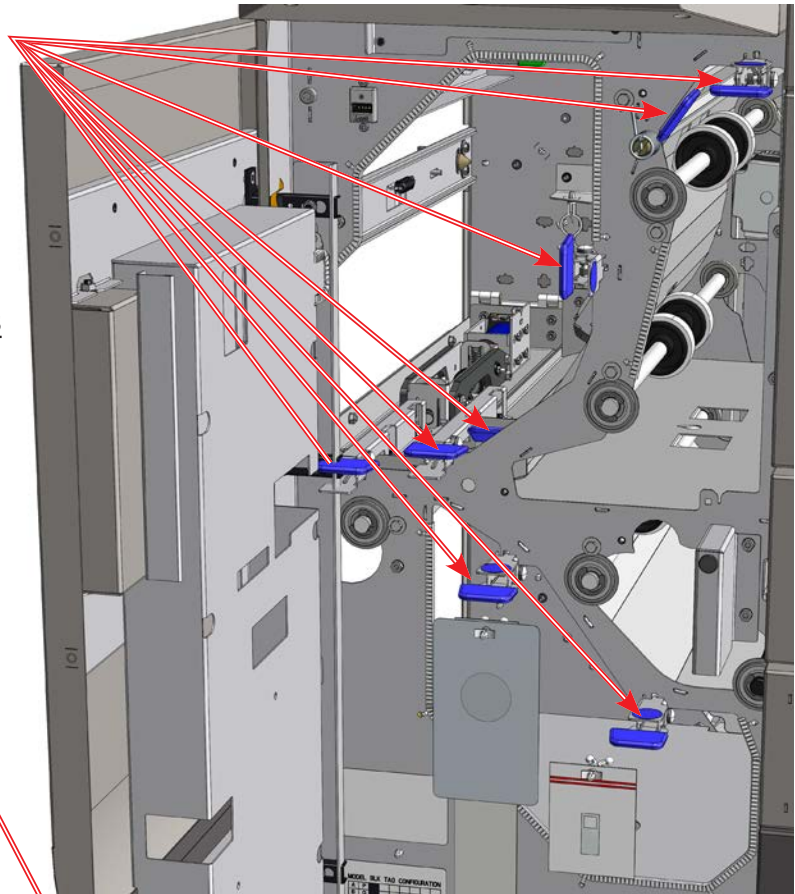
3. Check the separator pads for wear, tear and position (refer to "Misfeed / Jam in Vacuum Trays when feeding thick media" in section 5 of this manual for how to measure the default position). Replace if worn (rounded edges/warped) or if broken.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Maintaining Your Machines

Cleaning

4. Open the front door.
5. Toggle the blue handles to the baffles and clean surfaces from toner smearings.
6. Clean, if needed, the feed rollers inside the baffles with rubber reactivator alcohol.



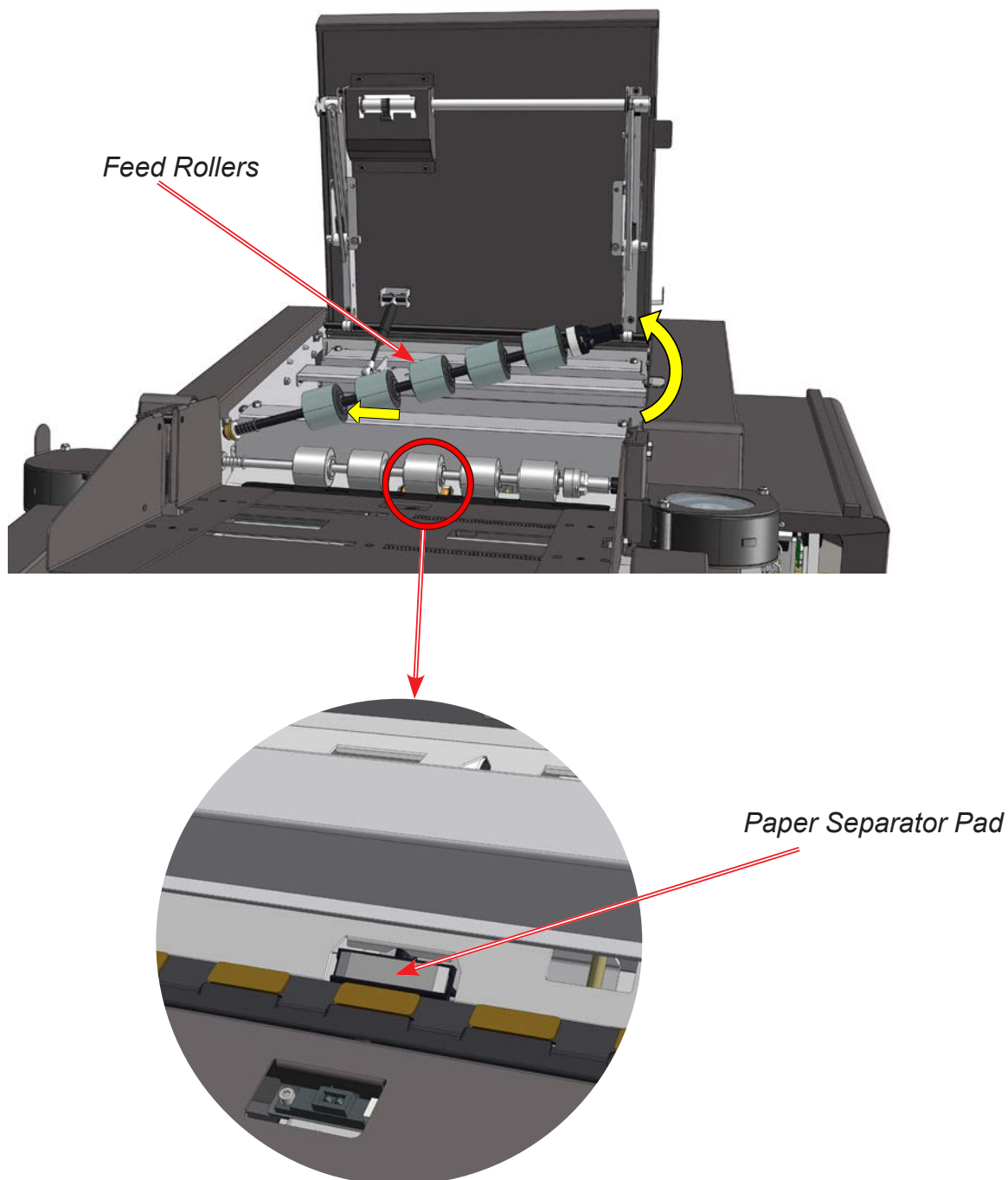
CIP Training Plockmatic LCT3500 Large Capacity Tray

Maintaining Your Machines

Cleaning

The LSM Feed Rollers need to be cleaned regularly when in use or if the unit has not been used for a period of time. How often this has to be done, depends on the paper type and print quality. An increasing number of misfeeds or double feeds, is one indication of the need to clean the Feed Rollers.

1. Open the LSM top cover;
2. Push the Feed roller assembly towards the operator side;
3. Lift the Feed Rollers out from the LSM;
4. Clean the Feed Rollers and the Paper Separator Pad with water and a clean lint free cloth.



CIP Training Plockmatic LCT3500 Large Capacity Tray

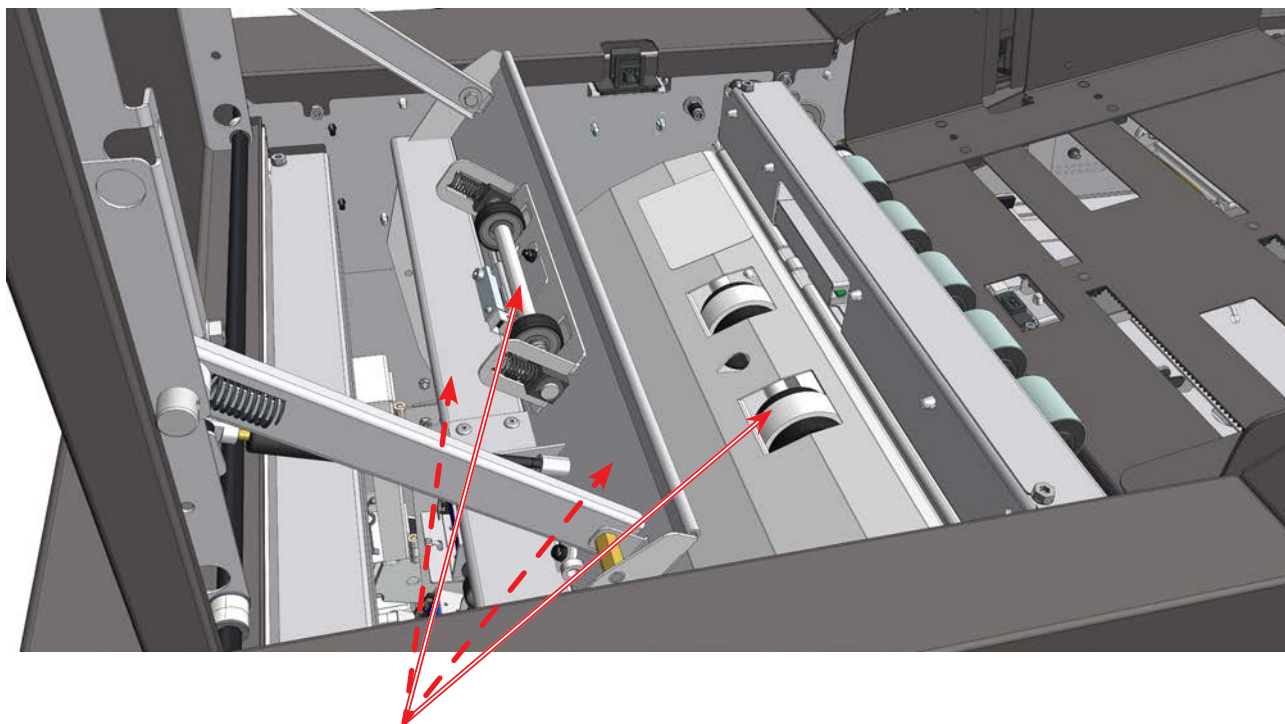
Maintaining Your Machines

Cleaning

An increasing number of misfeeds may indicate a need to clean the LSM.

Clean every 50 000 cycles or when the number of misfeeds increases.

Use a vacuum cleaner, towels and brushes for general purpose cleaning of the paper path. In addition, follow the detailed cleaning instructions below:



Clean, if needed, the feed and idler rollers inside the LSM with rubber reactivator alcohol.

Maintaining Your Machines

Limitations

- The LCT3500 is suited for customers whose processing needs will not exceed a monthly average of 200,000 sheets from each tray.
- The optical double feed sensor should not be turned on when feeding 200 gsm / 74 lb, covers or higher density paper.
- When loading paper in the trays of the LCT3500 make sure that it has the same direction of paper curl: paper with different curl directions cannot be mixed, doing so would result in a misfeed or a jam.
- For optimum performance in the LCT3500, media shall be stored in a climate controlled environment. For media stored in environment with relative humidity over 50% performance of the LCT3500 may be reduced.
- LCT3500 might produce pressure marks on lowest paper in the paper pile if media is sensitive.
- LCT3500 might show marks from the vacuum belts when running extra thin media. This issue might occur when using 80 gsm plain and 100 gsm coated types of paper. The recommended solution to this is that of using MANUAL process settings and to reduce the vacuum amount. This will reduce / eliminate such marks.
- When running the LCT3500 with the Ricoh ProC9200 series, the smallest sheet size that is supported is 19.2" or 487,7 mm in the process direction.
- When vacuum tray is used in MANUAL MODE, the process position can only be set to 10 or lower. If higher process position is used, MAX load capacity will be reduced by approximately 5 to 10 mm.
- In humid non climate-controlled environments an increased number of double feed jams has been observed.
- For optimum feeding performance the paper stack should be "fanned" by the operator prior to loading the tray. This reduces the risk of double feed from the trays. For more information, see "Paper stack preparation" under the first section of this manual (basics).
- The Ultrasonic Double Sheet Detection Sensor does NOT work on all 400 gsm types of paper, as paper density can vary significantly ($900/50 = 1800\%$ in one sheet).
- The Optical Double Sheet Detection Sensor does NOT work on sheets thicker than 250 gsm.
- The Vacuum Trays do not always feed the last sheet when running thick media (thicker than 350 gsm).
- The Optional LSM might have problems feeding electrostatically charged paper.
- The Vacuum Trays might have problems feeding the last sheet when processing thicker media.
- If the machine is placed under a direct light source, the Paper Empty sensor on the LSM (Q505) might give false readings.
- If the machine is placed under sunlight, even through a window, the five cork plates located under the feed roller will wear quickly. This will result in an increased number of double feeds.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Specifications

Machine Specifications		
	Specifications	Remarks
Off-line Use	Not possible	
Weight LSM	365 kg / 805 lbs	
Weight LCT	63 kg / 139 lbs	
Footprint	LCT length: 1220 mm / 48.03" LCT + LSM length: 1300 mm / 51.18" LSM tray extension length: 400 mm / 15,75" LCT + LSM length with tray extended: 1700 mm / 66.93" LCT width without UI: 730 mm / 28.74" LCT + UI width: 800 mm / 31.5" <i>Note: the LCT is 1100 mm high (43.31")</i>	
Power Source	100-240 Vac / 8-4 A / 50-60Hz 8-4 A	+6% / -10%,
Power Consumption	400W-800W	Min-Max when in use
	800W (2800 BTU/hr)	Max power consumption
	120W	Standby/Ready with printer ON
	50W	Standby
	0W	LCT OFF with printer OFF
Noise emissions	71dB (A) - 89dB (C)	
Operating temperature	10-30°C	
Humidity	20-80% RH	<i>Avoid sudden temperature variations that can cause condensation.</i>
Safety Approvals	Safety and EMC according to latest standard	
Plockmatic uses open source code in parts of this product. Plockmatic uses QT open source license (LGPL) to develop the software used in this machine (https://www.qt.io/qt-licensing-terms).		

Print Engine Compatibility

1. Pro C9200 series
2. Pro C7200 series

CIP Training Plockmatic LCT3500 Large Capacity Tray

Specifications

Vacuum Trays Specifications		
	Specifications	Remarks
Maximum loading capacity, each tray	175 mm 6.88 in	
Maximum loading weight, each tray	62 kg 136.67 lb	
Minimum - Maximum paper size (W x L)	120 x 210 mm / 4.73 x 8.27 in - 356x700 mm / 14.02 x 27.56 in	For ProC92000 series, see exception in the table below
Minimum - Maximum paper weight	64 - 400 gsm	400gsm paper types: <i>Sappi Fine Paper EuroArt Silk;</i> <i>Sappi Fine Paper EuroArt Gloss;</i> <i>Favini BiancoFlash Premium;</i> <i>Arjowiggins Creative Conqueror Laid (High White);</i> <i>Artic Munken Lunx Smooth.</i>
Offset to centre registration	± 2 mm / ± 0.08 in	
Max input paper skew	± 2 mm within 100mm / ± 0.08 in within 3.94 in	
Max paper curl	± 5 mm / 0.2 in	Measured on a flat surface (Radius > 70 mm / 1.58 in)
Cross process direction curl	± 2 mm / ± 0.08 in	
Double Feed Detection	Optical and ultrasonic sensors in each tray	
Paper transporting order	Top feed	
Paper loaded detection	Face up	
Side registration adjustment function	Mechanical side guides, operator setting	

Other: grain direction should be across the feed direction for heavy stock (300 - 400 gsm)

Vacuum Trays Specifications - Pro C9200*		
	Specifications	Remarks
Minimum - Maximum paper size (W x L)	120 x 487.8 mm / 4.73 x 19.2 in - 356x700 mm / 14.02 x 27.56 in	

*Pro C9200 series has different length specifications due to emulation limitations.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Specifications

LSM (Long Sheet Module - tray A) Specifications		
	Specifications	Remarks
Loading Capacity LSM	Plain media <ul style="list-style-type: none"> 70mm 80-105gsm 50mm 105.1-256gsm 30mm 256.1-400gsm Coated media <ul style="list-style-type: none"> 50mm 80-105gsm 30mm 105.1-400gsm 	Note! Feeding performance on thicker media (300-400gsm) might be limited in below length interval: <ul style="list-style-type: none"> 298-308 mm (11.73"-12.13") 454-464 mm (17.87"-18.27") 590-600 mm (23.23"-23.62") 767-777 mm. (30.20"-30.60" Above with subtract length 60mm (2.36") Note! Max length increases with subtract length.
Minimum - Maximum paper size (W x L)	120 x 210 mm / 4.73 x 8.27 in - 330 x 1260 mm / 14.02 x 49.6 in	For ProC92000 series, see exception in the table below
Minimum - Maximum paper weight	64 - 400 gsm	400gsm paper types: <i>Sappi Fine Paper EuroArt Silk;</i> <i>Sappi Fine Paper EuroArt Gloss;</i> <i>Favini BiancoFlash Premium;</i> <i>Arjowiggins Creative Conqueror Laid (High White);</i> <i>Artic Munken Lunx Smooth.</i>
Offset to centre registration	± 2 mm / ± 0.08 in	
Max input paper skew	± 2 mm within 100mm / ± 0.08 in within 3.94 in	
Max paper curl	± 5 mm / 0.59 in	Measured on a flat surface (Radius > 70 mm / 1.58 in)
Cross process direction curl	± 2 mm / ± 0.08 in	
Double Feed Detection	Optical and ultrasonic sensors	

Other: grain direction should be across the feed direction for heavy stock (300 - 400 gsm)

LSM (Long Sheet Module - tray A) Specifications - Pro C9200*		
	Specifications	Remarks
Minimum - Maximum paper size (W x L)	120 x 487.8 mm / 4.73 x 19.2 in 330 x 1260 mm / 14.02 x 49.6 in	

*Pro C9200 series has different length specifications due to emulation limitations.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Specifications

Integrity Factors		
	Specifications	Remarks
UMR (Unscheduled Maintenance Rate)	1 visit per 1.2 million sheets	
SDR, Shut Down Rate Vacuum Tray	1 per 3000 sheets	A3 (11 x 17") 120 gsm Xerox Colour Impression
SDR, Shut Down Rate LSM (Tray A)	1 per 2000 sheets	A3 (11 x 17") 120 gsm Xerox Colour Impression
Life of product	24 million sheets / 5 years	
Recommended monthly volume	400.000 Sheet	

Source	Max paper length with release	
Tray 3	Pro C9200	1101.8 mm - 43.38" (519.7 mm + 582.1 mm) (20.46" + 22.92")
	Pro C7200	863.3 mm - 34.0" (519.7 mm + 343.6 mm) (20.46" + 13.53")
Tray 4	Pro C9200	700 mm - 27.56" (release on all 3 drive rollers)
	Pro C7200	700 mm - 27.56" (release on all 3 drive rollers)
Tray A	Pro C9200	1092.3 mm - 43.00" (510.2 mm + 582.1 mm) (20.09" + 22.92")
	Pro C7200	853.8 mm - 33.61" (519.7 mm + 343.6 mm) (20.46" + 13.53")

CIP Training Plockmatic LCT3500 Large Capacity Tray

Specifications

Auto Paper Size Detection

Although being able to process several types of standard paper formats, the LCT3500 is able to detect only some of those standard paper formats. The detection of the paper formats is carried out by using several sensors, which include the sensors mounted on the side guides. Therefore, it is important to set the side guides correctly.

The following table shows paper size detection patterns with respect to each destination.

Paper size		Dimensions [mm]		Dimensions [inches]		Destination			Visible in region (User Interface)
		Main scan	Sub scan	Main scan	Sub scan	Japan	North America	Europe	
13"×19.2"	SEF	330.2	487.7	13.0"	19.2"	●	●	●	N. Ameri
F*	LEF	330.2	203.2	13.0"	8.0"	●	●	●	N/A
SRA3	SEF	320.0	450.0			●	●	●	Europe
SRA4	LEF	320.0	225.0			●	●	●	Europe
12"×18"	SEF	304.8	457.2	12.0"	18.0"	●	●	●	N. Ameri
A3	SEF	297.0	420.0			●	●	●	Europe
A4	LEF	297.0	210.0			●	●	●	Europe
Double Letter	SEF	279.4	431.8	11.0"	17.0"	●	●	●	N. Ameri
Letter	LEF	279.4	215.9	11.0"	8.5"	●	●	●	N. Ameri
B4	SEF	257.0	364.0			●	●	●	N. Ameri
Executive*	LEF	266.7	184.15	10.5"	7.25"	○	●	●	N/A
B5*	LEF	257.0	182.0			●	○	○	N/A
Legal	SEF	215.9	355.6	8.5"	14.0"	●	●	●	N. Ameri
A4	SEF	210.0	297.0			●	○	●	Europe
Letter	SEF	215.9	279.4	8.5"	11.0"	○	●	○	N. Ameri
A5*	LEF	210.0	148.0			●	○	●	N/A
Half Letter*	LEF	215.9	139.7	8.5"	5.5"	○	●	○	N/A
F	SEF	203.2	330.2	8.0"	13.0"	○	●	●	N. Ameri
B5	SEF	182.0	257.0			●	○	○	Japan
A5	SEF	148.0	210.0			●	●	●	Europe
Half Letter	SEF	139.7	215.9	5.5"	8.5"	●	●	●	N. Ameri
Postal Card*	SEF	100.0	148.0			●	-	-	N/A

●: Paper sizes can be detected automatically using the size detection sensor and the length detection sensor.

○: Based on user setting, a size can be selected from the operating portion of mainframe.

-: No size can be selected.

*Note: the paper sizes listed in the red rows are not automatically detectable by the LCT.

CIP Training Plockmatic LCT3500 Large Capacity Tray

Specifications




EU DECLARATION OF CONFORMITY [1]

No. [2] **N0007386 (A.1)**

Manufacturer [3] Plockmatic International AB, Telefonvägen 30, S-126 26 Hägersten, Sweden

This Declaration of Conformity is issued under the sole responsibility of the manufacturer [4]

Object of the Declaration [5]		
Model/Type [6]	F140-001	F140-004
Name [7]	LCT3500 Main Module	LCT3500 LSM
Description [8]	Sheet Feeder	Long Sheet Module

The object of the declaration is in conformity with the relevant Union harmonization legislation: [9]	
Directive [10]	Standard [11]
2014/30/EU (EMC)	CISPR 24:2010+A1:2015, EN 55024:2010+A1:2005, EN 55032:2015, Class A, EN 55035:2017, IEC 61000-3-2:2014, IEC 61000-3-3:2013
2015/863/EU (RoHS)	EN 50581:2012, EN 62321:2009
2014/35/EU (LVD)	EN 62368-1:2014 + A11:2017
Additional information [12] International certification: UL 62368-1, 2nd Edition, CSA C22.2 No. 62368-1:2014, IEC 62368-1:2014, FCC Part 15 (2015) Subpart B Section 15, Class A, ICES-003 Issue 6., Class A.	
Signed for and on behalf of [13] Hägersten, 2020-02-12 08:20	
 Bengt Olenfalk Group Quality Manager	

БЪЛГАРСКИ; 1) ЕС Декларация за съответствие; 2) Номер; 3) Производител; 4) Настоящата декларация за съответствие е издадена на отговорността на производителя; 5) Предмет на декларацията; 6) Модел/Тип; 7) Назначение; 8) Описание; 9) Предметът на декларацията, описан по-горе, отговаря на съответното законодателство на Съюза за хармонизация; 10) Директива; 11) Стандарт; 12) Допълнителна информация; 13) Подписано за и от името на

ČESKY; 1) EU Prohlášení o shodě; 2) Číslo; 3) Výrobce; 4) Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce; 5) Předmět prohlášení; 6) Model/Typ; 7) Označení; 8) Popis; 9) Výše popsaný předmět prohlášení je v shodě s příslušnými harmonizačními právními předpisy Unie; 10) Směrnice; 11) Norma; 12) Dodatečné informace; 13) Podepsáno za a jménem na

DANSK; 1) EU-Overensstemmelseerklæring; 2) Nummer; 3) Producent; 4) Denne overensstemmelseerklæring udstedes på fabrikantens ansvar; 5) Erklæringens genstand; 6) Model/Type; 7) Betegnelse; 8) Beskrivelse; 9) Genstanden for erklæringen, som beskrevet ovenfor, er i overensstemmelse med den relevante EU-harmoniseringslovgivning; 10) Direktiv; 11) Standard; 12) Yderligere information; 13) Underskrevet for og vegne

DEUTSCH; 1) EU-Konformitätserklärung; 2) Nummer; 3) Hersteller; 4) Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller; 5) Gegenstand der Erklärung; 6) Modell/Typ; 7) Bezeichnung; 8) Beschreibung; 9) Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union; 10) Direktive; 11) Standard; 12) Weitere Informationen; 13) Zur Unterzeichnung und Namen

EESTI; 1) ELI Vastavusdeklaratsioon; 2) Number; 3) Valmistaja; 4) Käesolev vastavusdeklaratsioon on välja antud tootja ainuvastutusele; 5) Deklareeritav; 6) Mudel/Type; 7) Nimetus; 8) Kirjeldus; 9) Eelkirjelatud deklareeritav toode on kooskõlas asjaomaste liidu ühtlustamisaktidega; 10) Direktiiv; 11) Standard; 12) Lisainfo; 13) Allkirjastatud ja nimelt

SUOMI; 1) EU-Vaatimustenmukaisuusvakuutus; 2) Määrä; 3) Valmistaja; 4) Tämä vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomaisella vastuulla; 5) Vakuutuksen kohde; 6) Malli/Typppi; 7) Nimitys; 8) Kuvaus; 9) Edellä kuvattu vakuutuksen kohde on asiaa koskevan unionin yhdenmukaistamislainsäädännön vaatimusten mukainen; 10) Direktiivi; 11) Standardi; 12) Lisätietoja; 13) Allekirjoitettu ja puolesta

FRANÇAIS; 1) Déclaration UE de conformité; 2) Nombre; 3) Fabricant; 4) La présente déclaration de conformité est établie sous la seule responsabilité du fabricant; 5) Objet de la déclaration; 6) Modèle/type; 7) Désignation; 8) Description; 9) L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable; 10) Directif, 11) Standard; 12) Information Supplémentaire; 13) Signé pour et au nom de

GAEILGE; 1) Dearbhú comhréireachta AE; 2) Uimhir; 3) Manufacturer; 4) Tá an dearbhú comhréireachta ama eisiúint faoi fhreagracht an mhonaróra; 5) Cuspóir an dearbhaithe; 6) Cineál; 7) Ainmniú; 8) Tuairisc; 9) Is é cuspóir an dearbhaithe a thugtar i gcomhréir leis an reachtaíocht chomhchuíbhíthe ábhartha an Aontais; 10) Treoir; 11) Caighdeánach; 12) Eolas breise; 13) Ama shíniú le haghaidh agus thar ceann an

ΕΛΛΗΝΙΚΗ; 1) Δήλωση συμμόρφωσης ΕΕ; 2) αριθμός; 3) Κατασκευαστής; 4) Η παρούσα δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή; 5) Αντικείμενο της δήλωσης; 6) Μοντέλο/Τύπος; 7) Ονομασία; 8) Περιγραφή; 9) Ο στόχος της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνα με τη σχετική ενωσιακή νομοθεσία εναρμόνισης; 10) διευθυντικός; 11) Πρότυπο; 12) Επιπλέον πληροφορίες; 13) Υπογραφή για λογαριασμό και εξ ονόματος του

HRVATSKI; 1) EU Izjava o sukladnosti; 2) Broj; 3) Proizvođač; 4) Za izdavanje EU izjave o sukladnosti odgovoran je isključivo proizvođač; 5) Predmet deklaracije; 6) Model/Tip; 7) Oznaka; 8) Deskripcija; 9) Predmet navedene izjave u skladu je s mjerodavnim zakonodavstvom Unije o uskladivanju; 10) Direktiva; 11) Standard; 12) Dodatne informacije; 13) Potpisao za iu ime

MAGYAR; 1) EU-Megfelelőségi nyilatkozat; 2) Szám; 3) Gyártó; 4) Ezt a megfeleléségi nyilatkozatot a gyártó kizárólagos felelőssége mellett adja ki; 5) A nyilatkozat tárgya; 6) Modell/Típus; 7) Kijelölés; 8) Leírás; 9) A fent ismertetett nyilatkozat tárgya megfelel a vonatkozó uniós harmonizációs jogszabályoknak; 10) Irányelv; 11) Standard; 12) További információ; 13) Aláírva nevében

ŠLENSKA; 1) ESB Leyfyrirlysing; 2) Fjöldi; 3) Framleiðandi; 4) Þessi samræmisfyrirlysing er sett alfrán á ábyrgð framleiðanda; 5) Markmið yfirlysingarinnar; 6) Gerð; 7) Tilnefning; 8) Lýsing; 9) Markmið yfirlysingarinnar lýst er hér að ofan er í samræmi við viðeigandi Union samhræfingu löggjafar; 10) Tilskipun; 11) Standard; 12) Viðbótarupplýsingar; 13) Undirritað fyrir og fyrir hönd

ITALIANO; 1) Dichiarazione di conformità UE; 2) Numero; 3) Produttore; 4) La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante; 5) Oggetto della dichiarazione; 6) Modello/Tipo; 7) Designazione; 8) Descrizione; 9) L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa di armonizzazione dell'Unione; 10) Direttiva; 11) Standard; 12) Informazioni aggiuntive; 13) Firmato e per conto di

LATVIEŠU; 1) ES Atbilstības deklarācija; 2) Numurs; 3) Ražotājs; 4) Šī atbilstības deklarācija ir izdota vienīgi uz ražotāja atbildību; 5) Deklarācijas priekšmets; 6) Modelis/tips; 7) Apzīmējums; 8) Apraksts; 9) Iepriekš aprakstītais deklarācijas priekšmets atbilst attiecīgajam Savienības saskaņošanas tiesību aktam; 10) Direktīva; 11) Standarts; 12) Papildus informācija; 13) Parakstīts vārdā

LIETUVIŲ; 1) ES Atitikties deklaracija; 2) Skaicius; 3) Gamintojas; 4) Ši atitikties deklaracija išduota tik gamintojo atsakomybe; 5) Deklaracijos objektas; 6) Modelis/tipas; 7) Pavadinimas; 8) Aprašymas; 9) Pirmiau aprašytas deklaracijos objektas atitinka susijusius derinamuosius Sąjungos teisės aktus; 10) Direktyva; 11) Standartinė; 12) Papildoma informacija; 13) Pasirašyta ir vardu

MALTESE; 1) Dikjarazzjoni ta' konformità tal-UE; 2) Numru; 3) Manifattur; 4) Din id-dikjarazzjoni ta' konformità tinhareg taht ir-responsabbiltà unika tal-manifattur; 5) Għan tad-dikjarazzjoni; 6) Mudell/Tip; 7) Deżinjazzjoni; 8) Deskrizzjoni; 9) L-għan tad-dikjarazzjoni deskritt hawn fuq huwa konformi mal-leġislażjoni ta' armonizzazzjoni rilevanti tal-Unjoni; 10) Direttiva; 11) Standard; 12) Informazzjoni addizzjonali; 13) Iffirmat għal u fisem il

NEDERLANDS; 1) EU-Conformiteitsverklaring; 2) Nummer; 3) Fabrikant; 4) Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant; 5) Voorwerp van de verklaring; 6) Model/Type; 7) Benaming; 8) Beschrijving; 9) Het hierboven beschreven voorwerp is in overeenstemming met de desbetreffende harmonisatiewetgeving van de Unie; 10) Richtlijn; 11) Standard; 12) Aanvullende informatie; 13) Ondertekend voor en namens

NORSK; 1) EU-Erklæring; 2) Nummer; 3) Producent; 4) Denne samsvarserklæringen er utstedt under ansvar av produsenten; 5) Formålet med erklæringen; 6) Type; 7) Betegnelse; 8) Beskrivelse; 9) Formålet med erklæringen som er beskrevet ovenfor er i samsvar med relevante Union harmoniseringslovgivning; 10) Direktiv; 11) Standard; 12) Ytterligere informasjon; 13) Signert for og vegne av

POLSKI; 1) Deklaracja zgodności UE; 2) Numer; 3) Producent; 4) Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta; 5) Przedmiot deklaracji; 6) Model/Typ; 7) Oznaczenie; 8) Opis; 9) Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odnoszonymi wymaganiami unijnego prawodawstwa harmonizacyjnego; 10) Dyrektywa; 11) Standard; 12) Dodatkowe informacje; 13) Podpisano imieniem

PORTUGUÊS; 1) Declaração UE de conformidade; 2) Número; 3) Fabricante; 4) A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante; 5) Objecto da declaração; 6) Modelo/Tipo; 7) A denominação; 8) Descrição; 9) O objeto da declaração acima descrito está em conformidade com a legislação de harmonização da União aplicável; 10) Diretiva; 11) Padrão; 12) Informações adicionais; 13) Assinado por e nome

ROMÂNĂ; 1) Declarația UE de conformitate; 2) Numar; 3) Producator; 4) Prezenta declaratie de conformitate este emisă pe răspunderea exclusivă a producătorului; 5) Obiectul declarației; 6) Model/Tip; 7) Desemnare; 8) Descriere; 9) Obiectul declarației descris mai sus este în conformitate cu legislația relevantă de armonizare a Uniunii; 10) Directivă; 11) Standard; 12) Informații adiționale; 13) Semnat pentru și în numele

SLOVENSKY; 1) EU Vyhlášení o zhode; 2) Číslo; 3) Výrobca; 4) Toto vyhlášení o zhode sa vydáva na výhradnú zodpovednosť výrobcu; 5) Predmet vyhlášenja; 6) Model/Typ; 7) Označenie; 8) Popis; 9) Uvedený predmet vyhlášenja je v zhode s príslušnými harmonizačnými právnymi predpismi Unie; 10) Smernice; 11) Standard; 12) Doplnujúce informácie; 13) Podpísané za a mene na

SLOVENŠČINA; 1) Izjava EU o skladnosti; 2) Številko; 3) Proizvajalec; 4) Ta izjava o skladnosti je izdana na lastno odgovornost proizvajalca; 5) Predmet izjave; 6) Model/Tip; 7) Oznaka; 8) Opis; 9) Predmet navedene izjave je v skladu u skladu z zakonodajo Unije o harmonizaciji; 10) Direktiva; 11) Standardna; 12) Dodatne informacije; 13) Podpisano za in v imenu

ESPAÑOL; 1) Declaración UE de conformidad; 2) Número; 3) Fabricante; 4) La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante; 5) Objeto de la declaración; 6) Tipo de modelo; 7) Designación; 8) Descripción; 9) El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión; 10) Directiva; 11) Estándar; 12) Información Adicional; 13) Firmado por y nombre

SVENSKA; 1) EU-Försäkran om överensstämmelse; 2) Nummer; 3) Tillverkare; 4) Denna försäkran om överensstämmelse utfärdas på tillverkarens eget ansvar; 5) Föremålet för försäkran; 6) Modell/Typ; 7) Beteckning; 8) Beskrivning; 9) Föremålet för försäkran ovan överensstämmer med den relevanta harmoniserade unionslagstiftningen; 10) Direktiv; 11) Standard; 12) Extra information; 13) Undertecknat för och på uppdrag av

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