# CIP Training
## Plockmatic Multi-Purpose Stacker

## Operators Guide

**RICOH**
imagine. change.

/// **PLOCKMATIC**

Multi-Purpose Stacker
for Ricoh

# CIP Training Plockmatic Multi-Purpose Stacker

## 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 potentiality hazardous situation which, if instructions are not followed, may 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.*

## 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 competences 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 tor the weight of the machine.

## **Safety Information**

⚠ **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 indications like front and rear, left and right refer to the paper transport direction.*
- *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!*

⚠ **WARNING:**

**Do not put fingers or other parts between moving parts.**

⚠ **PINCH HAZARD:**



There are six "Pinch Hazard" stickers on the MPS to remind the user to pay extra caution when the machine is running:

- *Do not have body parts or objects under the table when the MPS is loaded or in use.*
- *Do not have body parts or objects between the upward moving table and the sideguides.*

# CIP Training Plockmatic Multi-Purpose Stacker

## What You Can Do With This Machine
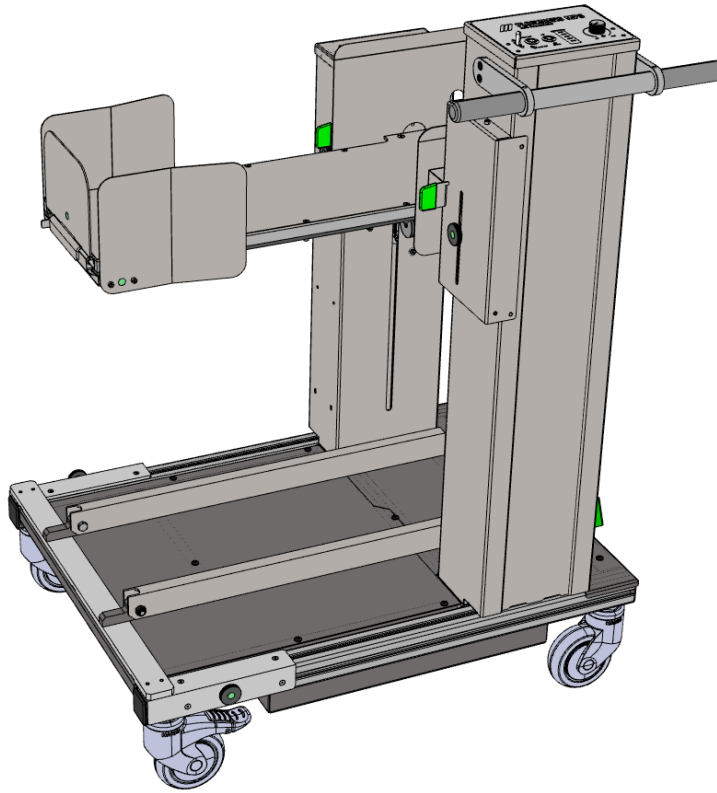
The Plockmatic MPS Multi Purpose Stacker is a universal, robust stacker that assists operators with paper stacking and handling during the finishing process. The MPS attaches inline and is integrated with multiple Ricoh printers and devices.

The motorized tray table eliminates lifting of heavy paper stacks. The Stacker has an easy to use spring-loaded docking mechanism and sits on four casters, enabling easy transportation of paper stacks within a facility. Undocked, the Stacker can function for several hours off of its internal battery power.

The Multi Purpose Stacker has adjustable side guides and end stops which allow the user to quickly adjust the machine for different paper sizes. It can stack A4 / 8.5x11 (Long Edge Feed) all the way up to paper that is 330 mm/13 inches wide and 1260 mm/49.6 inches long.

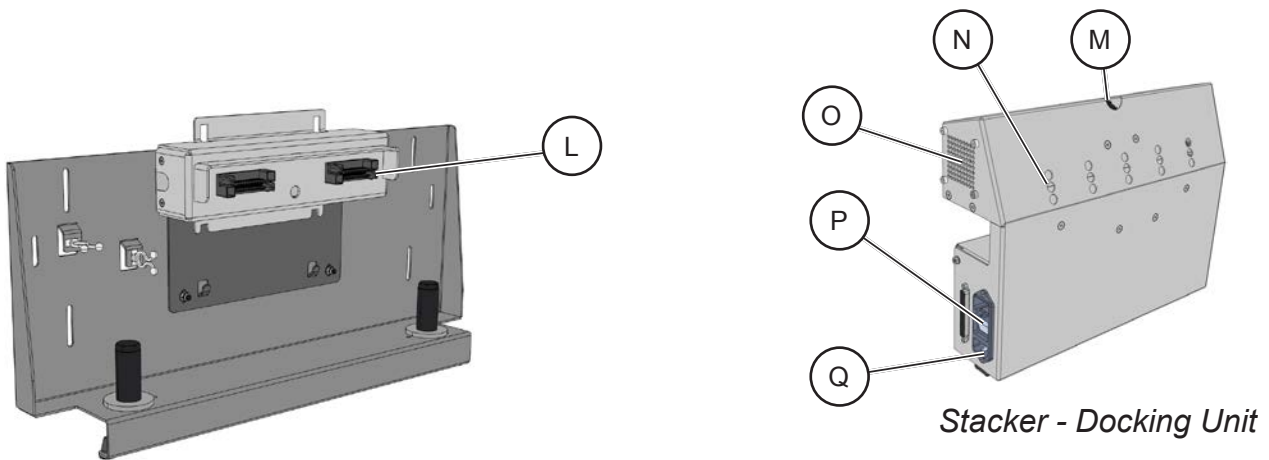# CIP Training Plockmatic Multi-Purpose Stacker

## Guide To Components
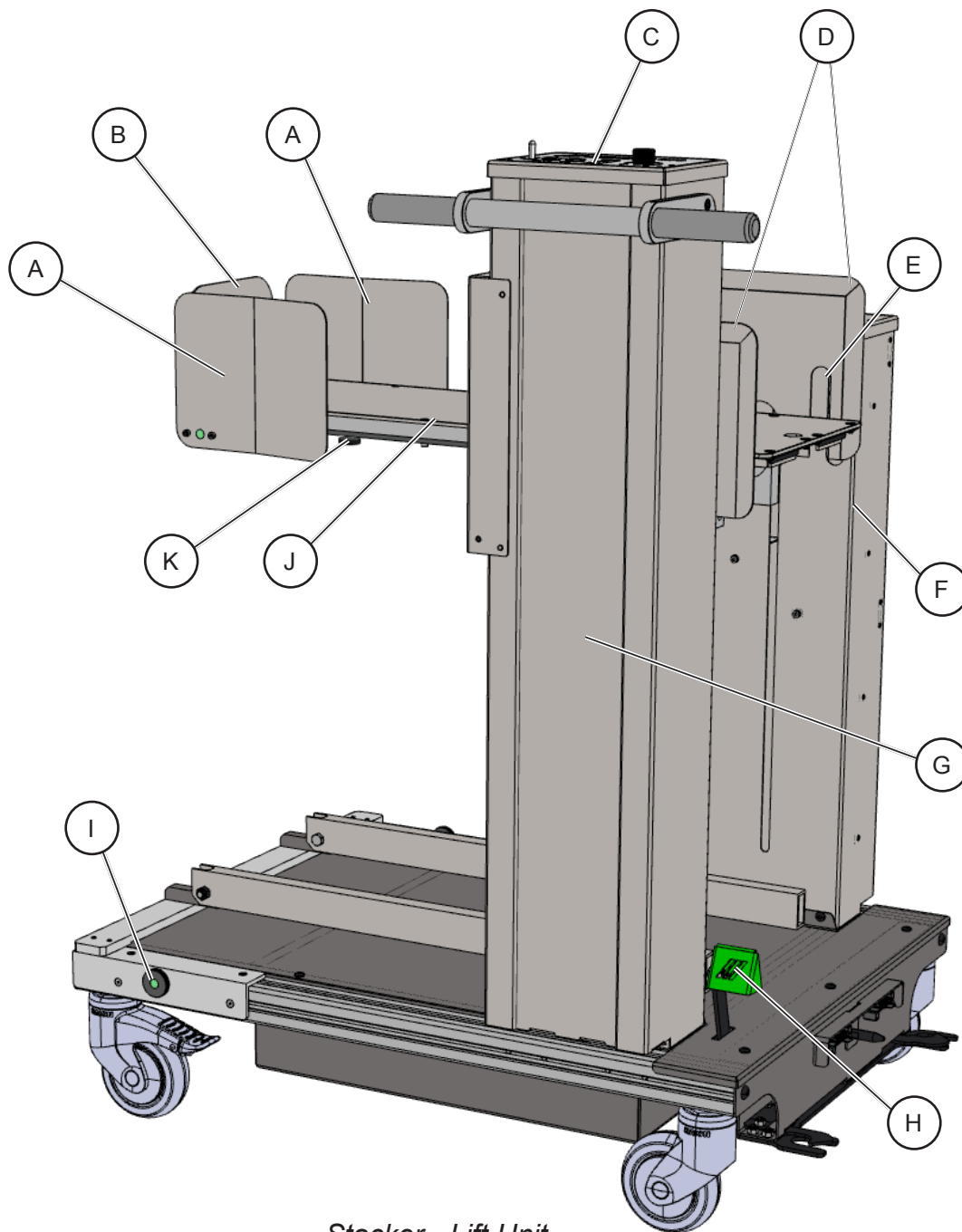


*Stacker - Lift Unit*

A. Long sheet side guides
B. Long sheet end stop
C. Control panel
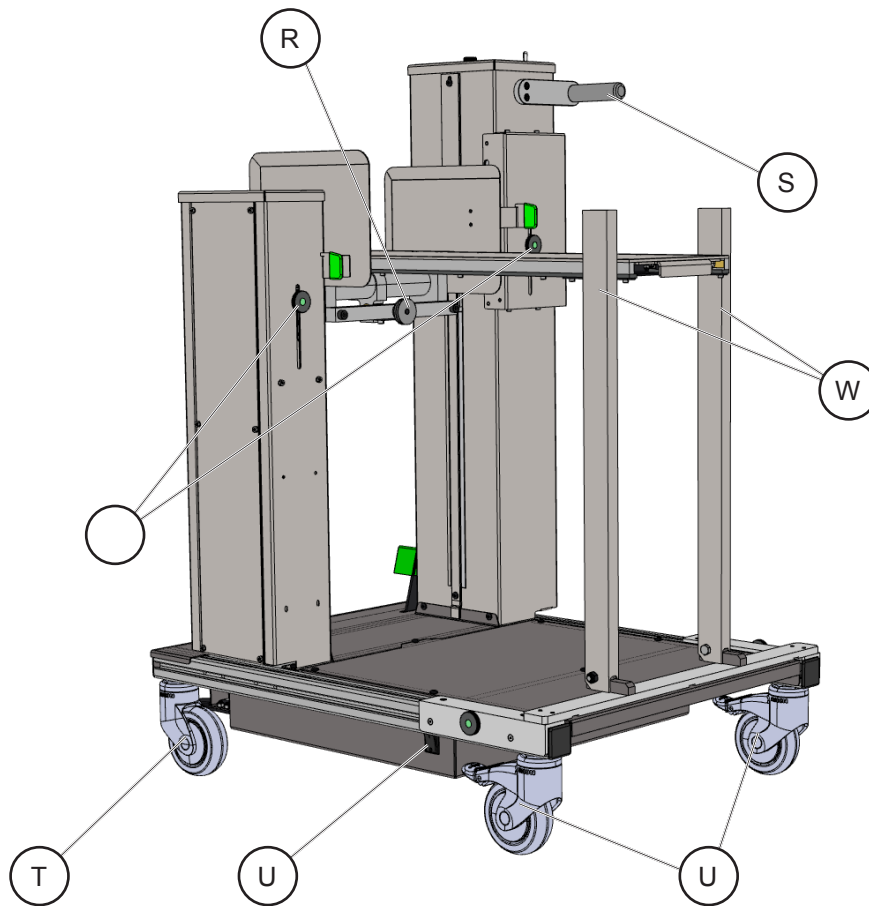D. Primary Paper side guides
E. Paper Stack Sensor
F. Rear Tower

G. Front Tower
H. Docking release pedal
I. End Stops Adjustment knob
J. Stacker table
K. Table Extension knob

# CIP Training Plockmatic Multi-Purpose Stacker

*Stacker - Docking Unit*

*Stacker - Lift Unit*

L. Docking Connectors
M. Infeed Sensor
N. Air Holes
O. Fan Air Inlets (2x)
P. Docking Unit power switch
Q. Main Power Inlet
R. Table Angle Adjustment Knob

S. Handles
T. Casters (2x)
U. Casters with brakes (2x)
V. Lift Unit power switch
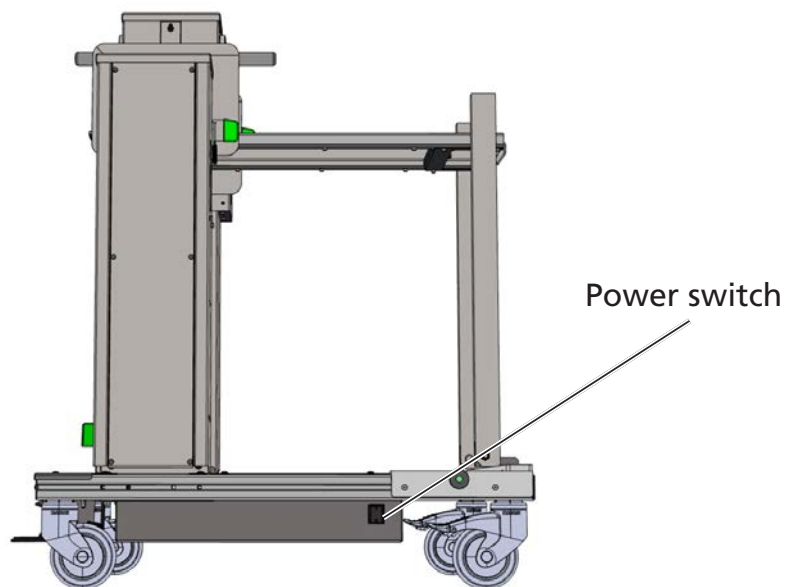W. Primary End Stops
X. Side guide Lower Limit Set Knobs

## Basics

## Turning On / Off the Main Power

The MPS has two power switches: one on the Lift Unit and one on the Docking Unit. For full functionality, both switches need to be on.

✎ *NOTE:*

*The MPS Lift Unit and Docking Unit must both be on when starting the printer for it to detect the MPS.*
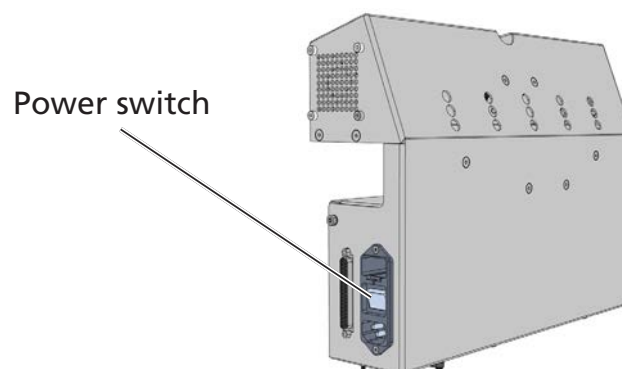
### Stacker - Lift Unit



Power switch

**1** Set main power switch to ON position.

✎ *NOTE:*

*The Lift Unit does not need to be turned off when not in use and undocked: after 2 minutes of idling, it will go into Power Save mode automatically. When docked, it is always charging or mantaining full power.*
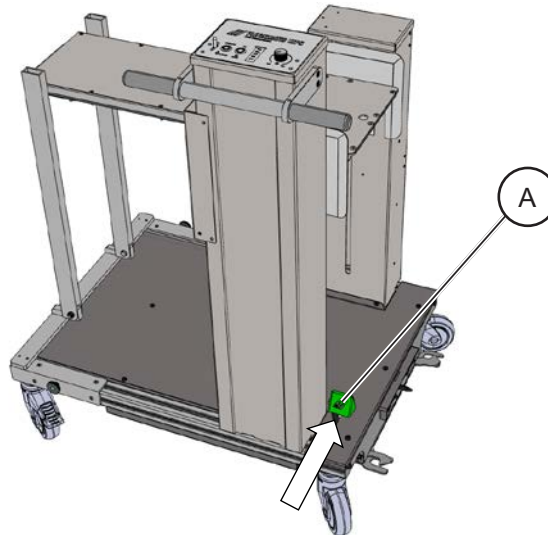
### Stacker - Docking Unit

Power switch



**1** Make sure that the power cord is plugged into the wall outlet.

**2** Set main power switch to ON position.
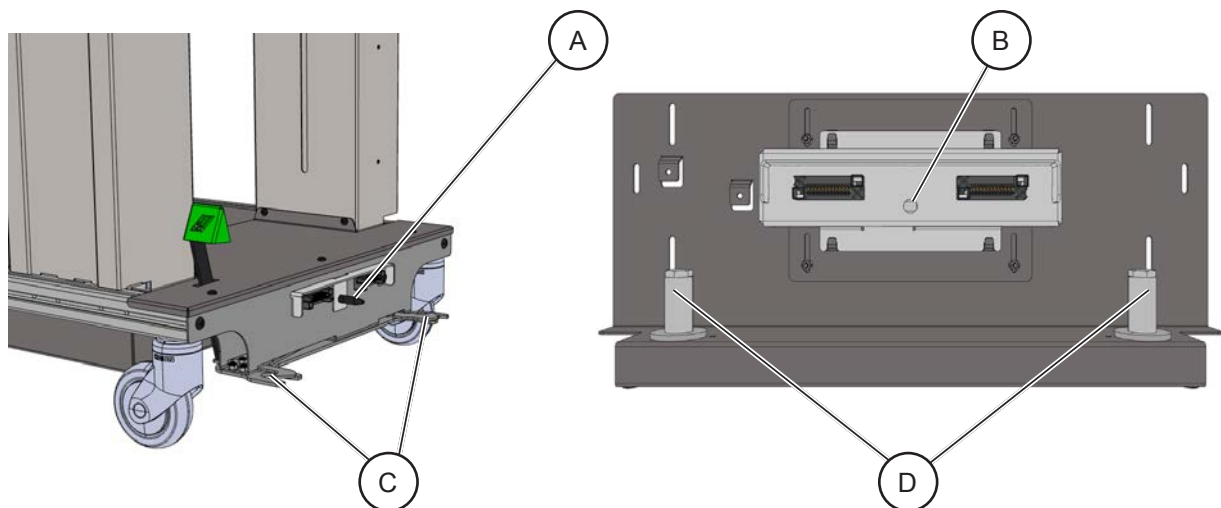
## Basics

## Undocking the Lift Unit



**1**   Push the docking release pedal [A].

**2**   Move the Lift Unit away from the upstream device.

🖎 *NOTE:*

*After 2 minutes of idling while undocked, the stacker goes into Power Save mode automatically.*

## Docking the Lift Unit



**1**   Move the Lift Unit close to the upstream device and dock it. The guide plate slots [C] are spring loaded and will dock with a simple push towards the guide poles [D].

🖎 *NOTE:*

*The guide pin [A] fits into the hole [B], the guide plate slots [C] mate to the docking guide poles [D].*
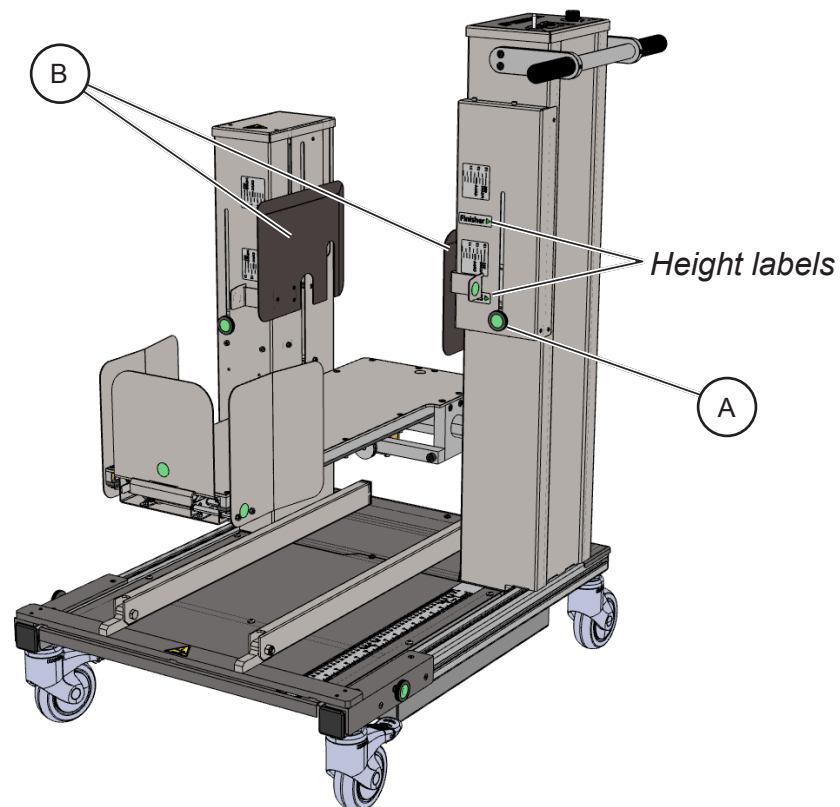
## Basics

# Setting Paper Stack Sensor and Side Guides to correct height

📝 *NOTE:*
*This only needs to be done once (during installation or if docking to a different upstream device). The operator should not have to make this adjustment, unless switching between upstream devices.*

The Paper Stack sensor moves together with the rear tower paper guide.

1. Loosen the knob [A] and move the paper guide up / down to the proper height, according to upstream device. The center of the knob should be aligned with the mark on the adjacent label.
2. Retighten the knob.
3. Set the knob height on the other (rear side) tower so that the side guides [B] are at approximately the same height.
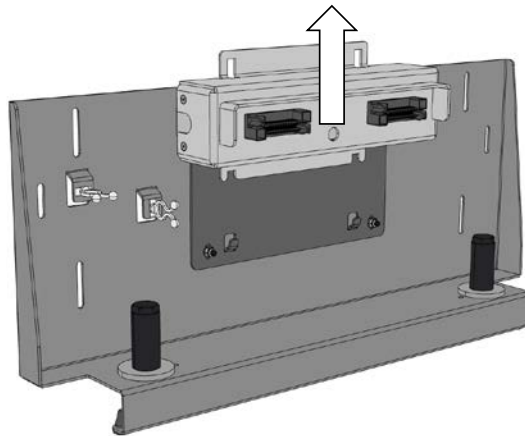


*Height labels*
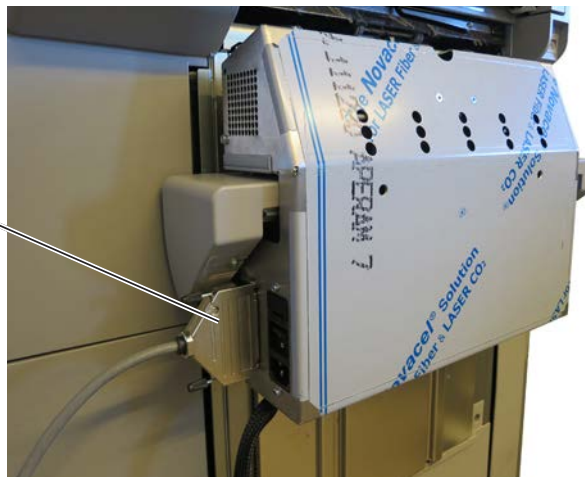
## Basics

## Docking Unit removal

🖊️ *NOTE:*
*The Docking Unit does not need to be removed when undocking the MPS. This is only necessary if the operator wants to use another module instead of the MPS (including Ricoh Shift Tray).*

## Lower Connector Assembly



**1**   Turn the Docking Unit off.

**2**   Open up cable tie holders and take out cable.

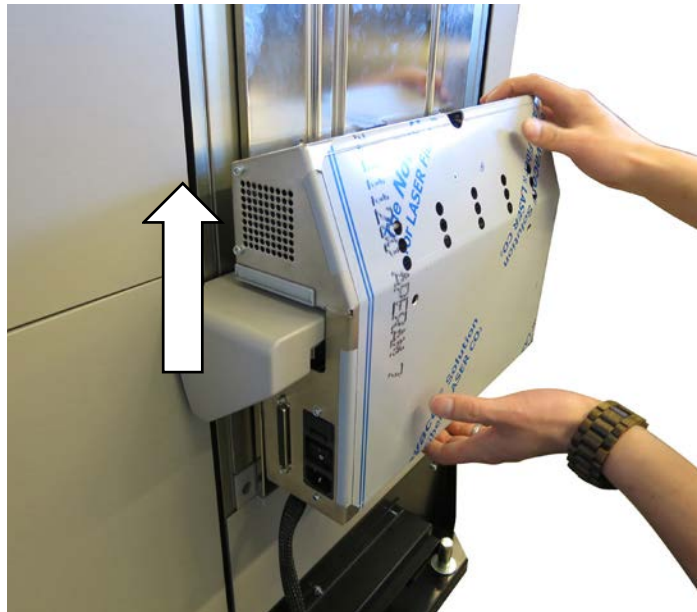**3**   Slide the connector assembly upwards out of docking bracket.
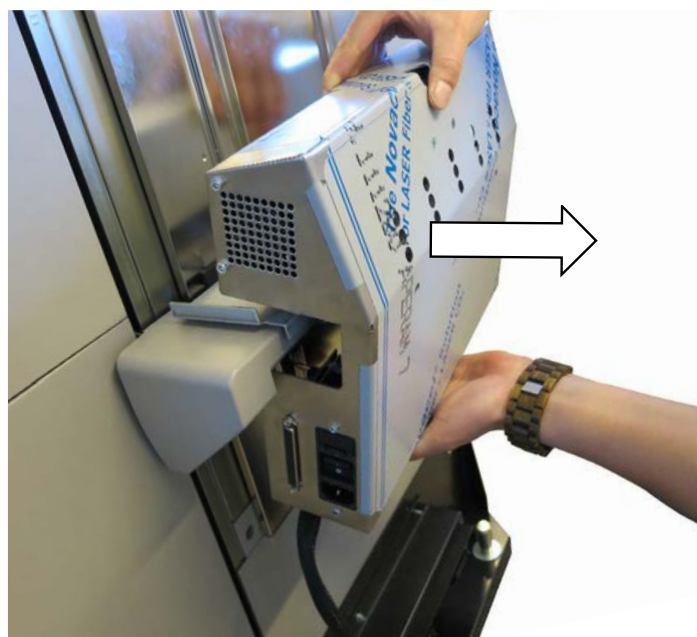
*Communication cable*



**4**   Disconnect the communication cable.

**5**   Follow instructions on following pages to remove the upper Docking Unit on either the Finisher (SR5050) or the Ricoh High Capacity Stacker (SK5040).

## Basics

## Upper Docking Unit on Finisher (SR5050)
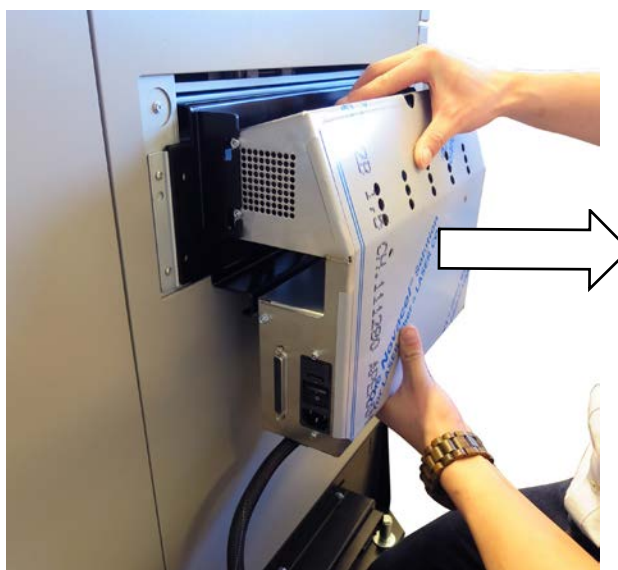


**1**   Lift Docking Unit up.



**2**   Pull Docking Unit out.

## Basics

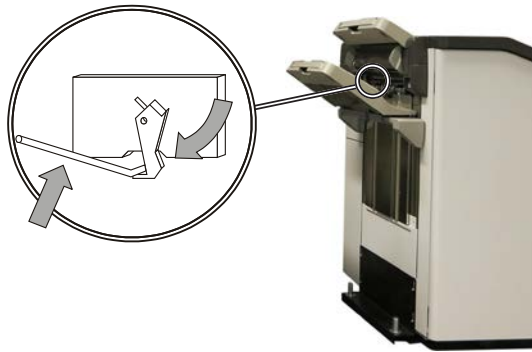### Upper Docking Unit on Ricoh High Capacity Stacker (SK5040)

**1** Lift Docking Unit up.

**2** Pull Docking Unit out.

## Basics

## Docking Unit mounting to Finisher (SR5050)



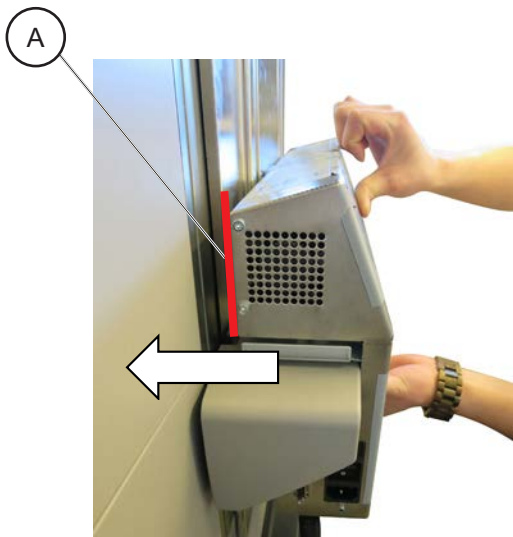**1** Lift up the Exit arm catcher on the Printer Finisher and hook it so that it remains in upper position.



*Exit tray*

**2** Release the hook and remove the Exit tray from the Printer's Finisher



**3** Press the noted button on the Finisher to lower the Finisher Shift Tray.



A

**4** Press the Docking Unit to the Finisher. Make sure the surface [A] of the Upper Docking Unit is flush with the finisher surface.

## Basics

**5** Push down on Upper Docking Unit so it sits flush on the shift tray.

**6** ⚠ **CAUTION:**
The Stop Finger Plate [B] triggers the Stop Finger [C] on the Finisher. When the Stop Finger is triggered, the shift tray stops from going up. If the shift tray continues to go up, the Docking Unit will hit the finisher and cause damage to both the machines.Therefore, it is extremely important to check the correct alignment of the Docking Unit.
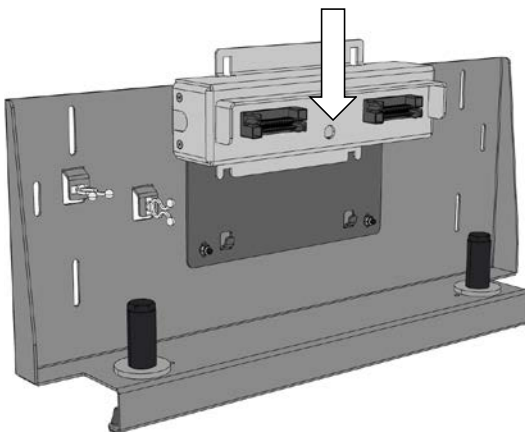
**7** Slide connector assembly into the docking plate and fasten cable using cable ties.
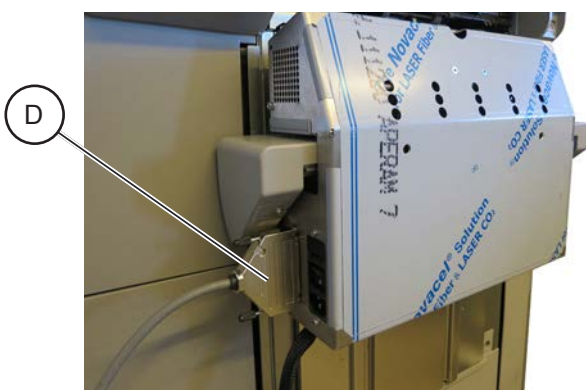
**8** Connect communication cable [D] and power cord.

## Basics

# Docking Unit mounting to Ricoh High Capacity Stacker (SK5040)

**1** The screws [A] (4x) - 2x on each side slide in onto the HCS Interface Bracket.

**2** Place the Docking Unit down as shown.
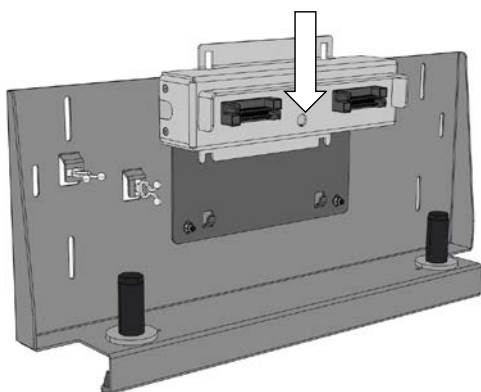
**3** Slide connector assembly into the docking plate and fasten cable using cable ties.
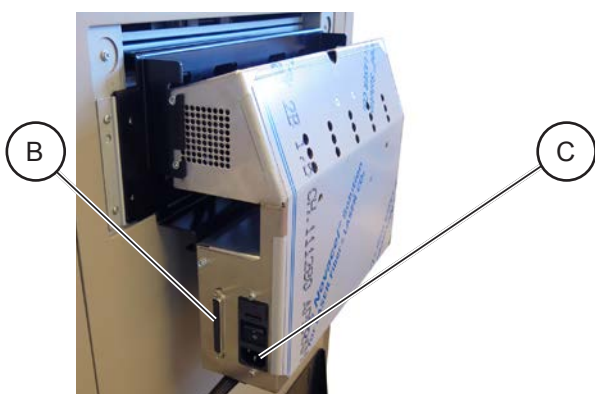
**4** Connect one end of the communication cable [B] to the Docking Unit and plug the power cable into the Docking Unit socket [C].

## Basics
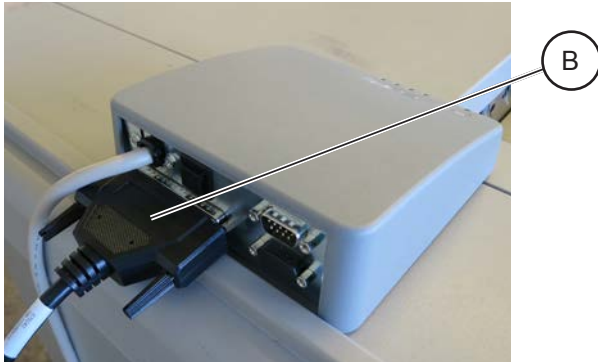
**5** Connect the other end of the communication cable [B] to the Ricoh RPIP Interface Box Type S3.

## DFA Splitter (option)

The optional DFA Splitter [A] is used to switch between the MPS and the PBM.
Toggle the switch [B] to choose the downstream device used.
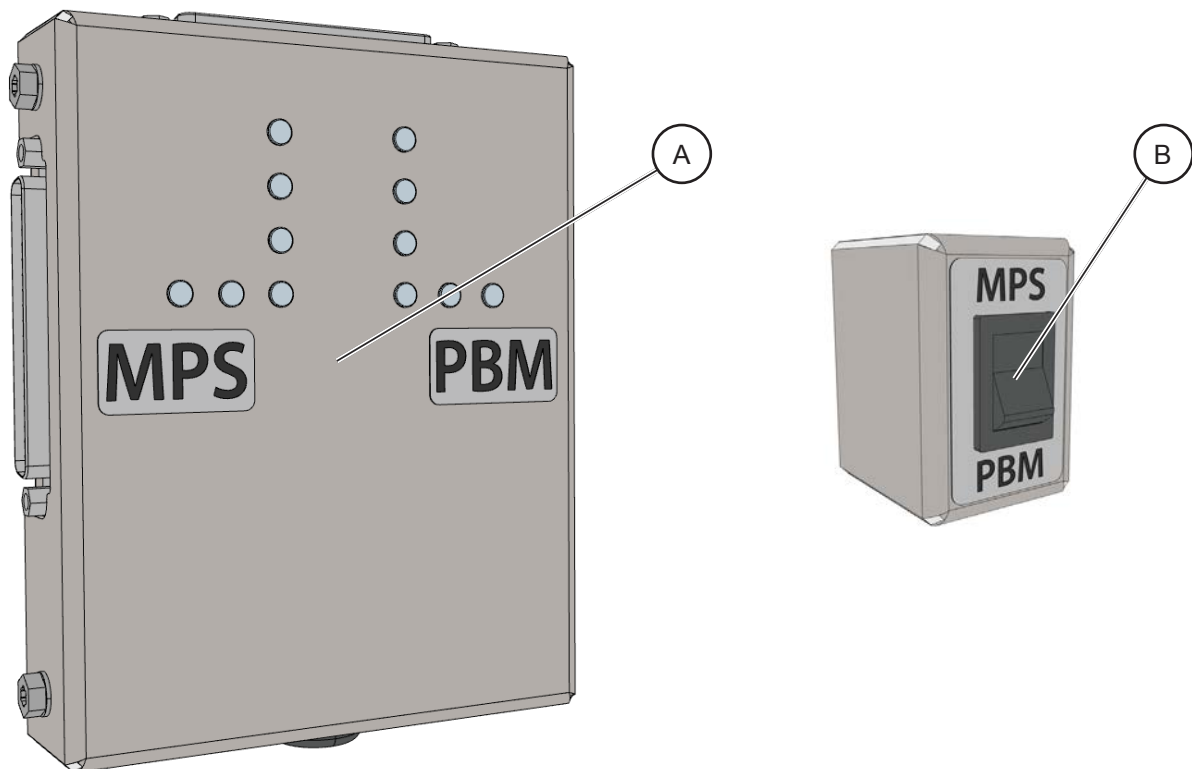
## Control Panel

The following section will guide the user through the Control Panel´s functions.

## Fan power adjustment
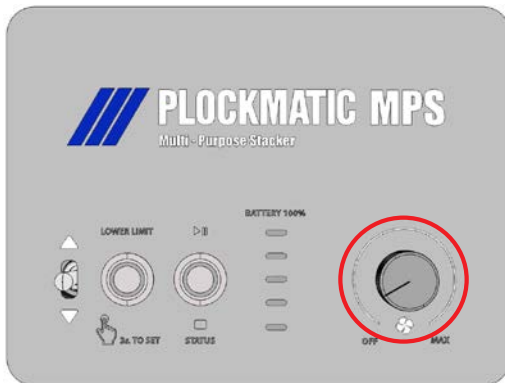
**Fan power adjustment**

The fan noted dial allows the user to adjust the fan speed: the user has the option to control the power in incremental steps between 0 and 100%.
The fans help cool the sheets and in some cases improve stacking.
It is recommended to have higher fan power for thicker sheets with large area coverage prints.

## Software version

*Light 1*
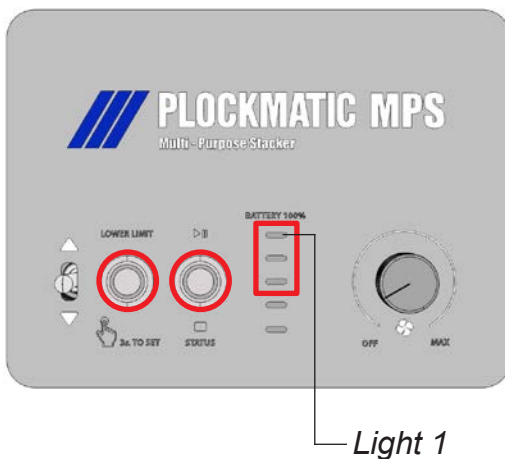
**Software version**

The software version is displayed through the battery level indicator LEDs: press both the lower limit and pause button simultaneously and the first three LEDs will blink in purple to show the software version installed on the Lift Unit and they will blink yellow to show the software version installed on the Docking Unit.

The number of blinks represents the software version as explained below:

- Light 1: X
- Light 2: Y
- Light 3: Z

Version of the software: X.YZ
**Example:**
Light 1 blinks once, light 2 blinks twice and light 3 does not blink: the version of the software is 1.20.

## **Control Panel**

## **Pause / Resume button**
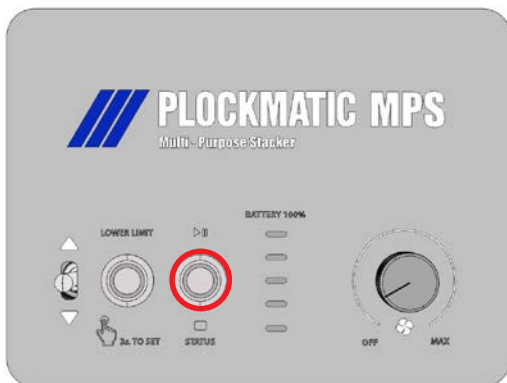


### **Pause / Resume button**

While printing, the user can push this button to pause the job.

When the button is pushed, the stacker will send a soft stop to the printer and the status light on the control panel will turn yellow. To resume printing, press the button again.

## **Lower limit button**
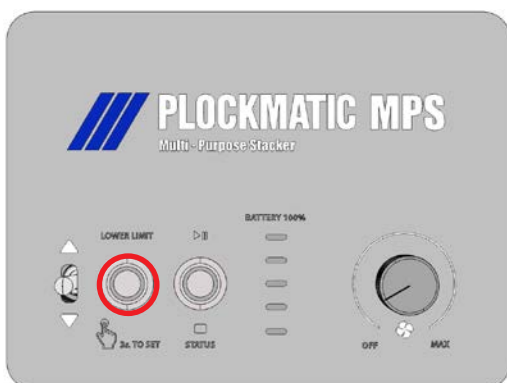


### **Lower limit button**

This button allows the user to set the lower limit. During a print job, if the stack becomes large enough, a soft stop / pause will occur when the lower limit is reached. To manually set a lower limit, move the Stacker table to the desired position and set the lower limit by pushing and holding the highlighted button for 3 seconds.

If a lower limit is set, pressing this button will move the table to the set position.

## **Table positioning lever**



### **Table positioning lever**

This lever allows the user to move the Stacker table up and down.

🖉 *NOTE:*
*While printing, this lever will be disabled.*

# CIP Training Plockmatic Multi-Purpose Stacker

## Control Panel

### Status LED



**Status LED**

The status LED indicates the status of the Stacker.

RED: Jam
YELLOW: Job paused
BLUE: Ready/OK/Charging
GREEN: Ready/OK/Undocked

### Sheet counter

**Sheet counter**

The sheet count is displayed through the battery level indicator LEDs.

1. Switch the MPS on.

2. Press the pause / resume button and hold it for 5 seconds, then release it.

3. The battery LEDs have a value associated to them as shown below. They will blink red to show the sheet count.

To understand what the sheet count is, the operator will have to count the blinks and sum the values of the LED(s).
See examples on following page.



Ten Millions
Millions
Hundred Thousands
Ten Thousands
Thousands
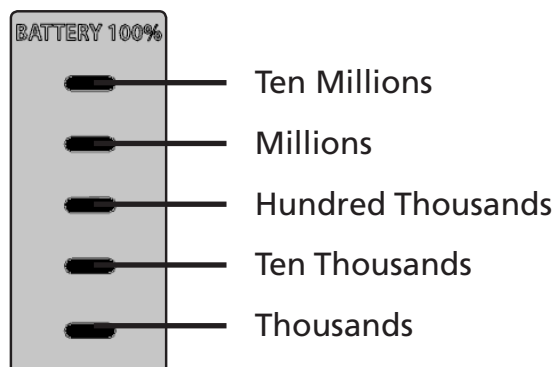
# CIP Training Plockmatic Multi-Purpose Stacker

## Control Panel
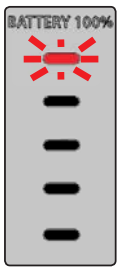
10,000,000*

*First LED blinks once.

300,000**

**Third LED blinks three times.
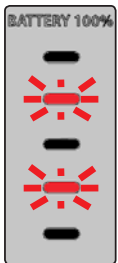
2,010,000***

***Second LED blinks twice, fourth LED blinks once.
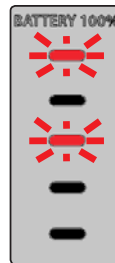
10,300,000****

****First LED blinks once, third LED blinks three times.

## Jobs

### Handling jobs

The MPS is designed to stack paper with the following dimensions:

- paper width from 279 mm to 330 mm;
- paper lengths from 210 mm to 1260 mm.

Trying to stack paper outside of specification will cause jams.

### Adjusting the paper side guides

Make sure the Paper Stack Sensor is at the correct level on the front tower (see "setting paper tray sensor to the correct height" in section 1).

The paper side guides also need to be adjusted according to the paper width of each job.

Place a sample set of paper on the stacker and adjust the paper side guides 1 to 2 mm from the edge of the paper [A]:

- if the side guides are too tight they will cause a jam;
- if the side guides are too loose the stack quality will not be optimal.
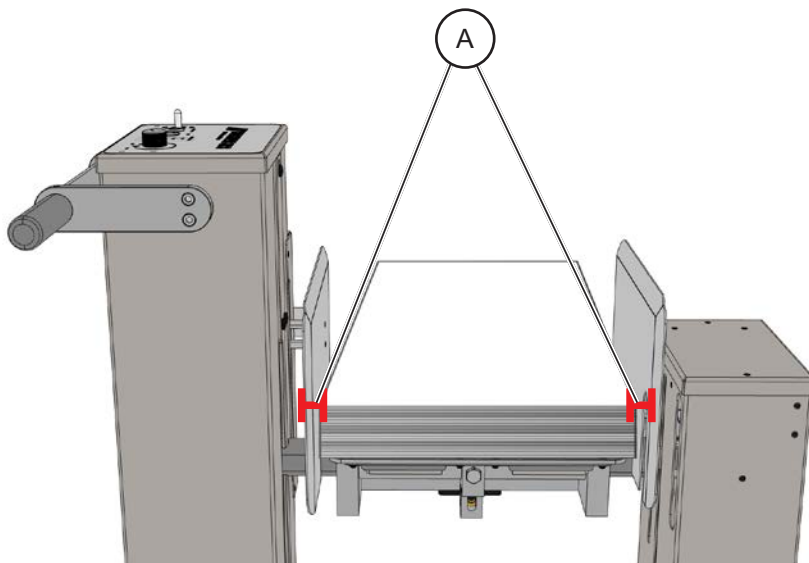
## Jobs

## Setting the end stops

The end stops position has to be adjusted according to the paper length.

Move the primary end stops after loosening the end stop adjustment knobs [A] (one on each side).

📝 *NOTE:*
*The Adjustment knobs are spring loaded: do not unscrew them fully.*

Place a sample set of paper on the stacker and adjust the primary end stops 1 to 2 mm from the edge of the paper [B].
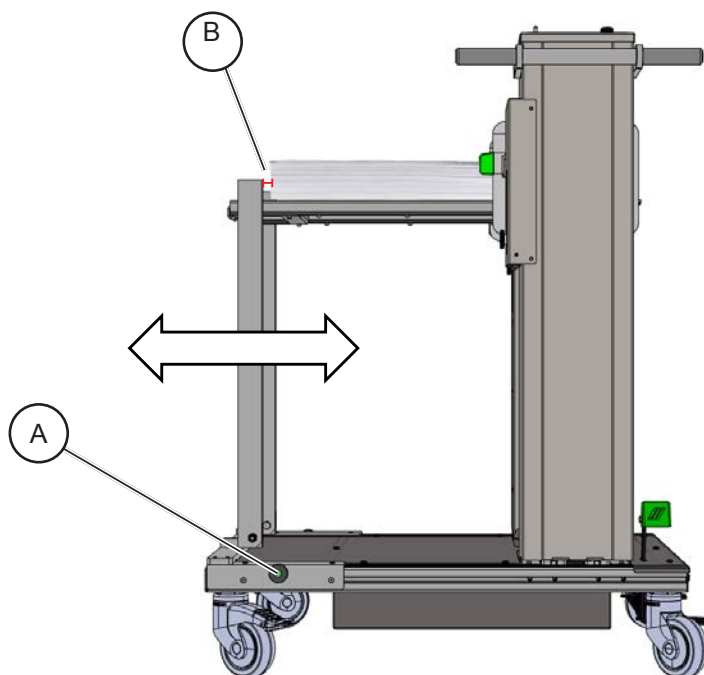
For paper longer than 700 mm, fold the end stops down and pull out the table [C] to the correct length: 1 to 2 mm from the edge of the paper. Use the long sheet side guides and long sheet endstop (see following section for how to install them).
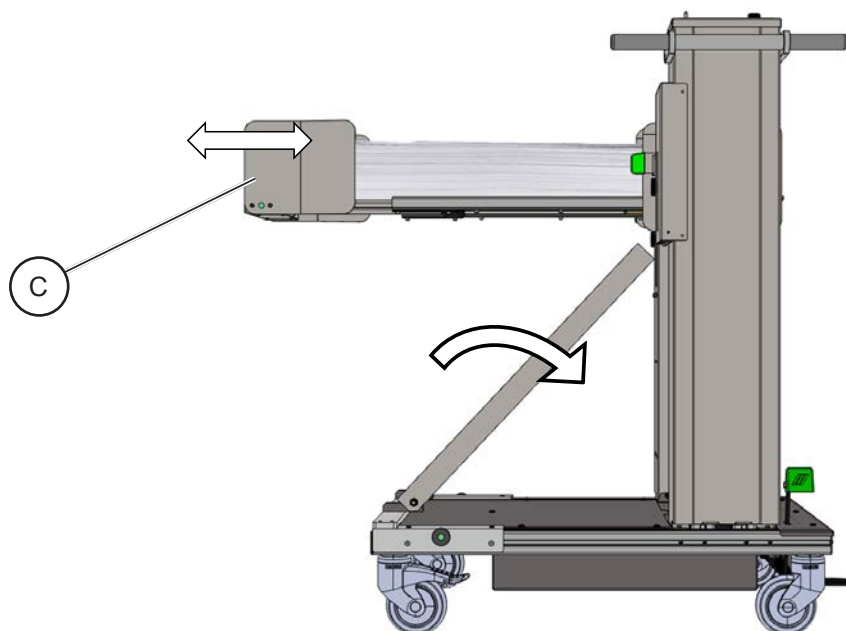
## Jobs

# Detaching long sheet side guides and endstop

Under normal operation, there is no need to remove the long sheet side guides and endstop. However, if necessary, it can be removed as shown.

**1** Push the lever [A] and remove the long sheet side guides and endstop by reversing the procedure for how to attach them.
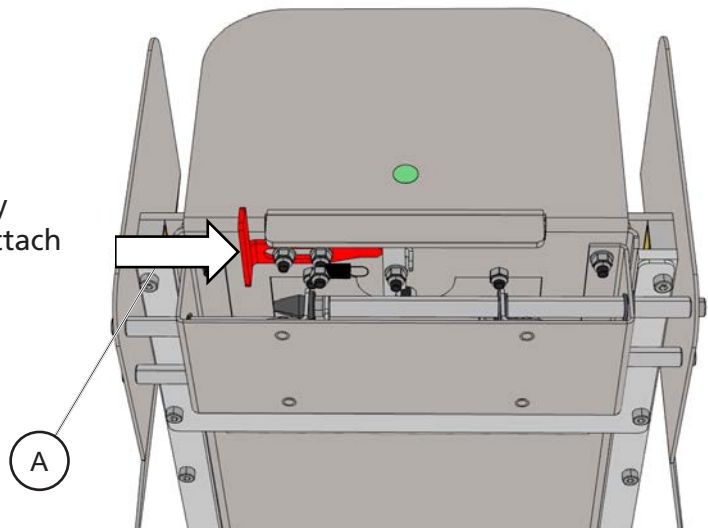
# Attaching long sheet side guides and endstop

**1** Align the hole [A] on the long sheet endstop with the lip of table [B] (Fig 1).
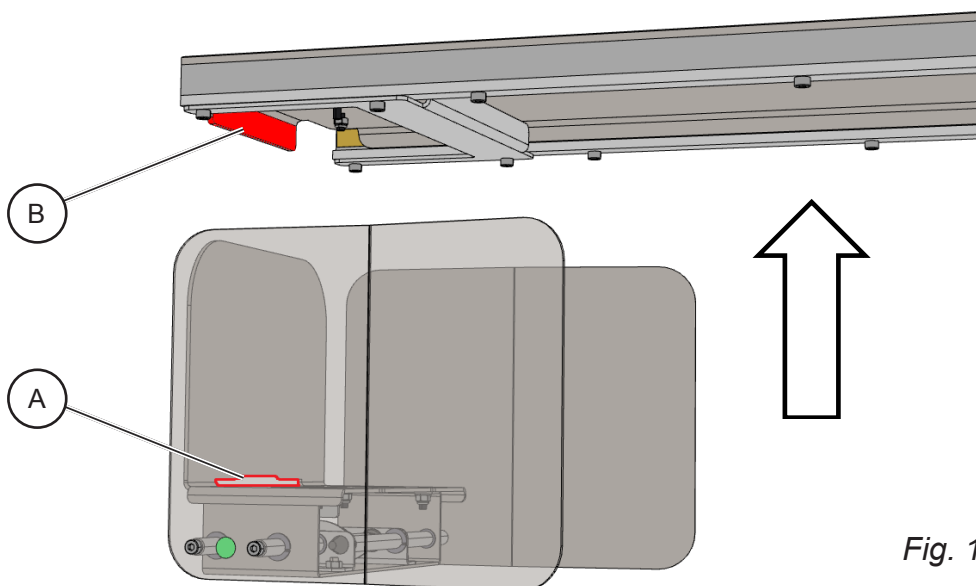
*Fig. 1*

## Jobs

**2**  Lift the assembly up (Fig 2).
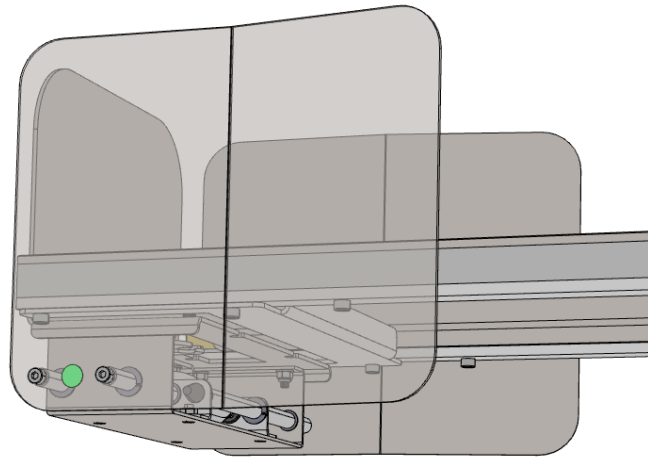
*Fig. 2*

**3**  Push the lever [C].

C
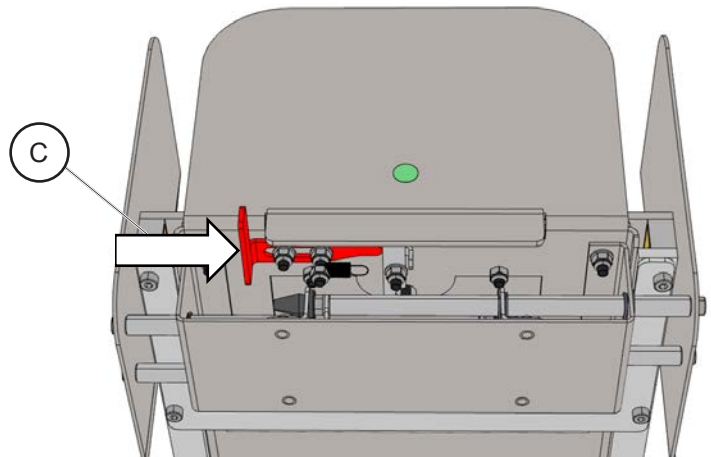
*Fig. 3*

**4**  Push the long sheet endstop towards the table (Fig 4) until the latch locks.
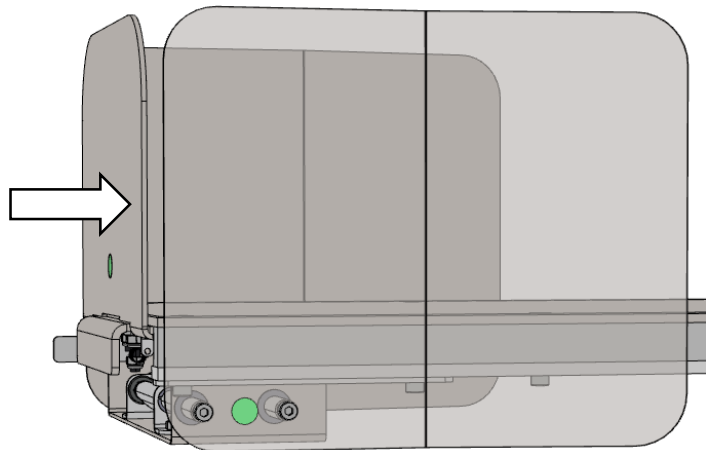
*Fig. 4*

## Jobs

### Angle of the table

Rotate the knob [A] to adjust the angle of the table. For certain applications it is very helpful to leave a downward angle on the table as shown in the picture below.

✐ *NOTE: when rotating knob [A], slightly lift the end of the table to relieve the weight: this will facilitate the adjustment procedure.*

A default angle of 0-5 degrees will work for the majority of jobs.

For longer sheets, a 5-10 degree angle is recommended.

For thinner papers and lower line speeds, a larger angle will also help stack quality.
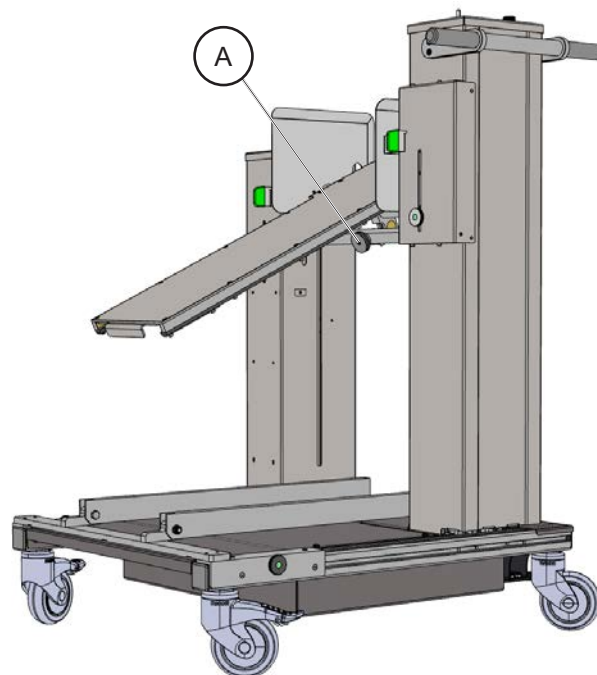


Once the ange of the table has been set correctly, secure the table extension by rotating the knob [B].
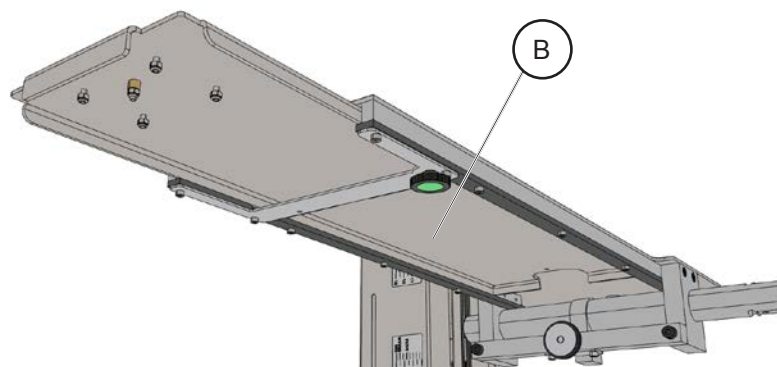


### Table position

The table will automatically position itself when receiving notification from the printer that a job is coming.

Table ready position will be approximately 2-3 mm under the Paper Stack Sensor.

As paper comes in and the Paper Stack Sensor is covered, the table will automatically decrement its position by 3 mm steps.

## Other machine properties

## Stack Limit Table

Infeed Sensor and Line speed determine stack limit heights. These limits are set to prevent weight overload (over 40kg).

When the maximum stack height is reached, printing will be paused. To resume printing, remove the paper stack and hit the pause / resume button on the control panel.

| | |
|---|---|
| **Max Stack Height*** | Ricoh HCS: 250 mm (9,8") |
| | Ricoh Columbia: 375mm (14,7") |
| | For Sheets 650mm or longer: 140 mm (5,5") |

*Max stack height may be less if using high density paper, due to the weight limit of 40 kg.

## Troubleshooting

## Fault codes

### General

✎ *NOTE:*
*If procedures in this manual do not rectify the problem an authorized technician will be needed.*

**Reading the fault code**
The fault codes are displayed with the LEDs on the control panel.
When a fault code is triggered, the lights will turn on following the binary code scheme described.
Every LED has a value associated to it as shown in the picture below.
To understand which fault code has been triggered, the operator will have to sum the values of the LED(s).
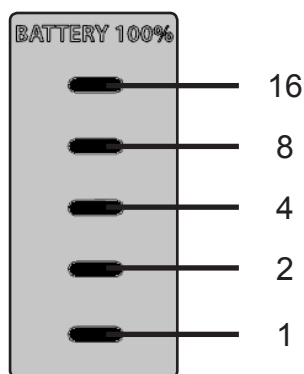


**Examples:**

 Fault code: 16

 Fault code: 24

 Fault code: 20
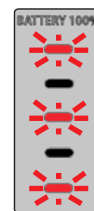
 Fault code: 21

## Troubleshooting

## Fault codes list

| Fault Code # | Fault Code Title | Cause(s) | How to clear |
|---|---|---|---|
| 1 | Battery level too Low | Battery discharged too much. | Clears when docked |
| 2 | Overload | To heavy (weight) load, worn out motor, worn out chain. | PO/PO* |
| 3 | Past Upper SW Limit | SW Position sensor Error | PO/PO* |
| 4 | Past Lower Limit | SW Position sensor Error | PO/PO* |
| 5 | No 12V on Battery Charger | Battery Charger PCB may be dead | Call service |
| 6 | Linpot Error | Readings from Position sensor are far out of bounds, possibly disconnected or shorted | Call service |
| 7 | Mechanical Resistance / Table Stuck | Table does not move up or down when it should. No Motor Short or Open Circuit | PO/PO* |
| 8 | 30V Low | 30V low when docked | PO/PO* |
| 9 | 30V High | 30V high when docked | PO/PO* |
| 10 | Pre Un-docking switch failure/mismatch | Pre Un-docking switch wrong signal from switch when DOCKED signal indicates docked. | PO/PO* |
| 11 | Battery Fault | Broken batteries, harness open circuit, broken "Charge circuit" are possible causes. | Call service |
| 12 | Charger Fault | Charger does not charge even if the battery level is low & machine is docked. | Call service |
| 13 | 30V Low docking unit | 30V Low from Power PCB inside the Docking Unit | PO/PO*, Call service |
| 14 | 30V High docking unit | 30V high from Power PCB inside the Docking Unit | PO/PO*, Call service |
| 15 | FAN1 open/short circuit | Fan feedback signal shows no movement or response | PO/PO*, Call service |
| 16 | FAN2 open/short circuit | Fan feedback signal shows no movement or response | PO/PO*, Call service |
| 17 | Power save mode failure | Machine does not sleep when software is telling it to sleep. If machine receives 5 sleep signals in a row, and no other actions occur, this fault code is displayed | PO/PO*, call service |

## Troubleshooting

## Fault codes list

| Fault Code # | Fault Code Title | Cause(s) | How to clear |
|---|---|---|---|
| 18 | Paper Level Sensor Jam | While running print job, the sensor is not cleared within 5 seconds. | Remove paper/ obstacles in front of sensor |
| 19 | Printer Exit Jam | Infeed Sensor is triggered for more than 12 seconds continuously or covered at start up. | Remove paper/ obstacles in front of sensor |
| 20 | Lift table calibration Error | If calibration does not complete for any sort of reason, this fault code is displayed | PO/PO* for new calibration |
| 21 | RS232 com. Error | No RS232 communication while docked. | Turn on Docking Unit, or PO/PO* |

*Note: PO/PO stands for "power off / power on".*

## Remarks

## 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 odors. Disconnect the power cord from the power source and call your authorized technician to correct the problem.

⚠ **WARNING:**
**Do not put fingers or other parts between moving parts.**

- Do not switch off the main power switch while machine is running.

## Safety Features

The Operator Side Guide will fall off if lifted or if something leaning out from the upward moving table pushes it. This is a safety feature, as there is a pinch hazard between the table and the Side Guide.

If the Side Guide falls, reinstall it and follow the "Setting Paper Stack Sensor and Side Guides to correct height" procedure in the "Basics" section of this manual.

*OP Side Guide*
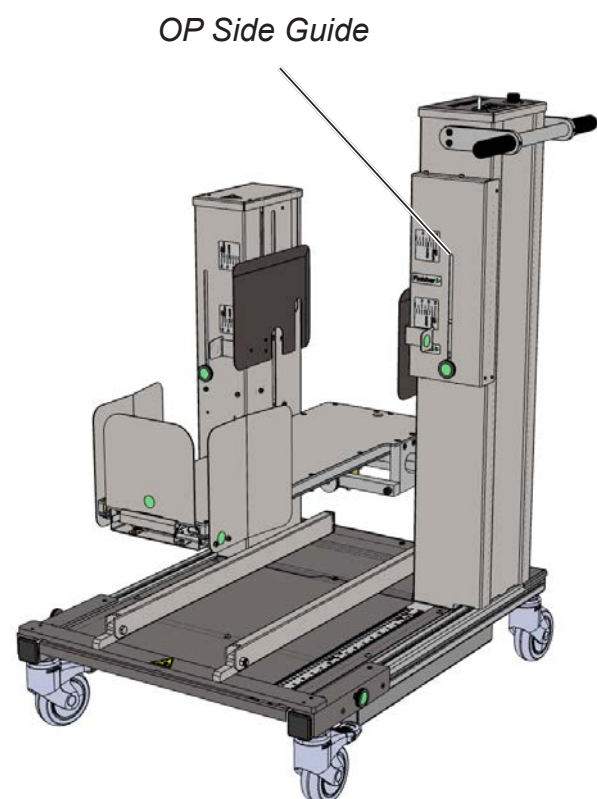
## Where to put Your Machine

## 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 air-conditioner.

- Directly exposed to heat from heater.

- Directly exposed to sunlight.

## 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.

## Remarks

# Maintaining Your Machine

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

# Cleaning the sensors

The sensors need to be cleaned regularly when in use, and if the unit has not been used for a period of time.

Sensors must be wiped clean with a lint free cloth.

⚠ **CAUTION:**
*Never use cleaning fluids on sensors.*



Infeed sensor

Paper stack sensor
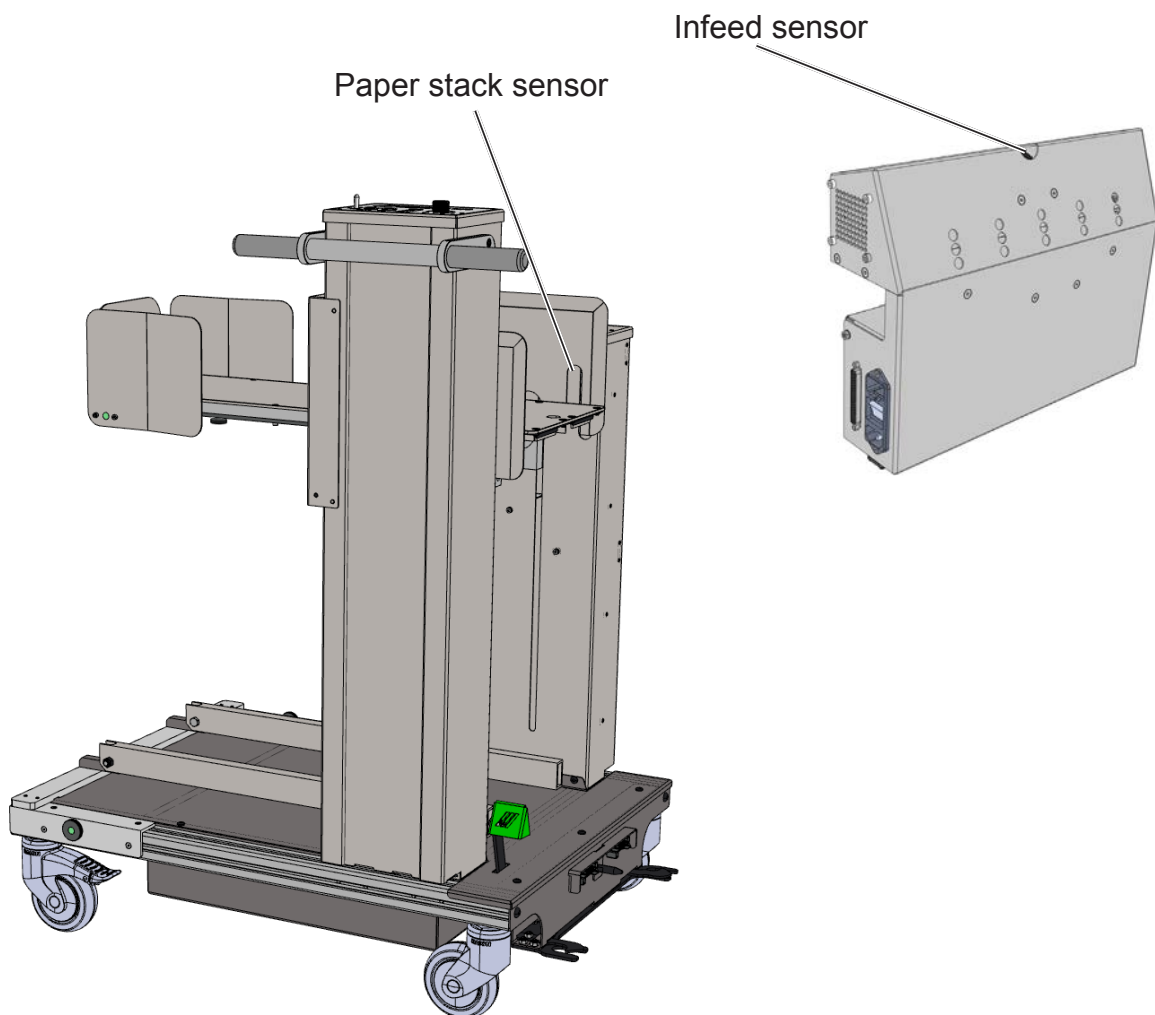
## Remarks

# Plockmatic MPS Operational Best Practices

- It is recommended to start with loose placement of side guides to allow for proper stacking. Once proper stacking is achieved, adjust the side guides inwards to improve stack quality
- For longer sheets and lower paper weights, operating with a larger table angle is suggested
- For printers with slower line speeds, more fan power and a larger table angle are suggested
- If paper comes out skewed from the printer, MPS side guides need to be looser to allow for decent stacking
- If stack quality is poor, it may be helpful to move the paper stack sensor higher or lower to alter results
- If curl is out of specification (larger than 5mm) while stacking sheets over 700mm long, the sheets may jump over the end stop and spill onto the floor when the stack is near the maximum stack limit (140mm). Changing settings to reduce curl or switching so that the curl faces down will help prevent this from happening.

# Plockmatic MPS Limitations

The MPS is capable of stacking paper from 8.5x11/A4 up to 330mmx1260mm. The stack quality depends on paper quality, paper weight, operator setup, printer speed and environmental conditions. If the paper guides on the stacker are set too tightly, jams will occur frequently. If they are set too loosely, the stack quality will be poor. It is up to the operator to set up the machine such that the stack quality is high and the stacker is running smoothly, without jamming.

The MPS is an open-faced, passive stacker, which means some papers may not be stackable even if the MPS is set up properly. A list of machine limitations is found below:

- Static and paper curl may drastically affect stack quality and may make particular jobs not stackable;
- If there is high friction between sheets, papers may stick together and not fully enter the stack, causing jams. This has been seen more frequently on thinner, coated papers.
- When printing sheets SRA3 or smaller, the momentum of the paper may cause the side guides to be looser over time, resulting in poorer side to side stack variance than expected. In order to reduce this phenomenon, the operator may re-adjust the side guides during run or print shorter duration jobs.

## Specification

# Machine Specifications

| Parameter | Specificatio | Remarks |
|---|---|---|
| Max Stack Height | Ricoh HCS: 250 mm (9,8") Ricoh Columbia: 375mm (14,7") For Sheets 650mm or longer: 140 mm (5,5") | Depends on Upstream Device Output Height and Paper Size / Weight |
| Max Stack Weight | 40 kg (88.2lbs) | |
| Standard Paper Size Support | A4 LEF, A3, 8.5 x 11" LEF, 11 x 17", 12 x 18", SRA3, SRA4 LEF, 9 x 12" LEF | |
| Paper Weight Support | 150-500gsm* | *Media with GSM less than 150 may be stackable but is highly sensitive to curl, environmental and printer output conditions |
| Custom Size Minimum Width | 279.4mm (11") | |
| Custom Size Maximum Width | 330mm (13") | |
| Custom Size Minimum Lenght | 210mm (8.27") | |
| Custom Size Maximum Lenght | 1260mm (49.6") | |
| Supported Media | Plain paper, Index paper*, Coated paper, Recycled paper, Offset paper, Punched paper | * Index paper needs to be fed with tab side at the trailing edge |
| Max Curl Level | 5 mm (0.2") (flat curl, measured on a fla surface) | *Stacking of thinner paper with curl will create more frequent jams and poorer stack quality |
| Paper Size Change | Manual change of paper size | |
| Side Registration Adjustment | Mechanical side guides, operator adjusted | |
| Dimensions (W x D x H) | 900 x 680 x 1060 mm (35.4" x 26.8" x 41.8") | Extends to 1410 mm (55") length for extra long sheets |
| Weight | Lift Unit - 71 kg (157lb) Docking Unit - 5 kg (11.0lb) | |
| Power source | 100-240V 50-60Hz | |
| Supported Ricoh printer models | Ricoh Pro C7200 & C9200 series | Future Ricoh printers will be added after passed validations |
| Temp Range | 15-30°C | |
| Humidity | 30-80% RH | |

Plockmatic uses QT open source license (LGPL) to develop the software used in this machine (https://www.qt.io/qt-licensing-terms).

## Specification

## Plockmatic MPS Stack Quality Specification

- The MPS is capable of neatly stacking paper from 8.5x11/A4 all the way up to 330mmx1260mm. The stack quality depends on paper quality, paper weight, operator setup and environmental conditions. If the paper guides on the stacker are set too tightly, jams will occur frequently. If they are set too loosely, the stack quality will be poor. It is up to the operator to set up the machine such that the stack quality is high and the stacker is running smoothly, without jamming.

- Stack Quality will be measured by how much variance there is along the edges of the paper stack. In general, lower weight paper is harder to stack and will thus have more variance along the edge. Therefore, we have split up paper according to paper weight in the table below.

| | MPS Stack Quality - Edge Variance | | | |
|---|---|---|---|---|
| | **Paper Weight** | | | |
| | **150 - 200 gsm** | **150 - 200 gsm** | **Greater than 200 gsm** | **Greater than 200 gsm** |
| **Paper Size** | **Lead / Trail Edge Variance** | **Side Edge Variance** | **Lead/Trail Edge Variance** | **Side Edge Variance** |
| A4/SRA4 8.5x11/9x12 | 5mm | 7mm | 5mm | 5mm |
| A3/SRA3 11x17/12x18 | 5mm | 10mm | 5mm | 10mm |
| 457-699mm length | 5mm | 10mm | 5mm | 10mm |
| 700-899mm length | 5mm | 7mm | 5mm | 5mm |
| 900-1260mm length | 7mm | 10mm | 10mm | 12mm |

## Specification

///// **PLOCKMATIC**

# EU DECLARATION OF CONFORMITY [1]

**No.**[2] .........................**N0006371 (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] | |
|---|---|
| **Type/Model** [6] | **F139-001, F139-101** |
| **Name** [7] | **MPS** |
| **Description** [8] | **Multi Purpose Stacker** |

| The object of the declaration is in conformity with the relevant Union harmonization legislation: [9] | |
|---|---|
| **Directive** [10] | **Standard** [11] |
| 2004/108/EC (EMC) | EN 55032:2015 (Class A), EN 55024:2010 + A1:2015<br>EN 61000-3-2:2014, EN 61000-3-3:2013<br>EN 62311:2008 |
| 2011/65/EU (RoHS) | EN 50581:2012<br>EN 62321:2009 |
| 2014/35/EU (LVD) | EN 60950-1:2006 + A1:2010 + A2:2013 + A11:2009 + A12:2011 |
| **Additional information** [12] International certification: UL 60950-1, 2nd Edition, 2014-10-14. CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10. IEC 60950-1:2005 (2nd Edition); Am 1:2009, List of countries addressed: AR, AT, AU, BE, BG, BY, CA, CH, CN, CS, CZ, DE, DK, ES, EU, FI, FR, GB, GR, HU, IE, IL, IN, IT, JP, KR, MY, NL, NO, NZ, PL, PT, RO, SA, SE, SG, SI, SK, UA, US, ZA. FCC Part 15 (2015) Subpart B, Class A. ICES-003 Issue 6:2016 Class B | |
| **Signed for and on behalf of** [13]  Hägersten, 2018-01-11 14:23 | |

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

ČESKÝ; 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 ve shodě s příslušnými harmonizačními právními předpisy Unie; 10) Směrnice; 11) Norma; 12) Dodatečné informace; 13) Podepsáno za a jménem na

DANSK; 1) EU-Overensstemmelseserklæring; 2) Nummer; 3) Producent; 4) Denne overensstemmelseserklæring 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 vastavausdeklaratsioon on välja antud tootja ainuvastutusel; 5) Deklareeritav; 6) Mudel/Type; 7) Nimetus; 8) Kirjeldus; 9) Eelkirjeldatud deklareeritav toode on kooskõlas asjaomaste liidu ühtlustamisaktidega; 10) Direktiivi; 11) Standard; 12) Lisainfo; 13) Allkirjastatud ja nimel

SUOMI; 1) EU-Vaatimustenmukaisuusvakuutus; 2) Määrä; 3) Valmistaja; 4) Tämä vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomaisella vastuulla; 5) Vakuutuksen kohde; 6) Malli/Tyyppi; 7) Nimitys; 8) Kuvaus; 9) Edellä kuvattu vakuutuksen kohde on asiaa koskevan unionin yhdenmukaistamislainsäädännön vaatimusten mukainen; 10) Direktiivi; 11) Standardi; 12) Lisäinformaatio; 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 arna 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 chomhchuibhithe ábhartha an Aontais; 10) Treoir; 11) Caighdeánach; 12) Eolas breise; 13) Arna 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 σύμφωνος 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 usklađivanju; 10) Direktiva; 11) Standard; 12) Dodatne informacije; 13) Potpisao za iu ime

MAGYAR; 1) EU–Megfelelőségi nyilatkozat; 2) Szám; 3) Gyártó; 4) Ezt a megfelelőségi nyilatkozatot a gyártó kizárólagos felelőssége mellett adják 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

ÍSLENSKA; 1) ESB Leyfisyfirlýsing; 2) Fjöldi; 3) Framleiðandi; 4) Þessi samræmisyfirlýsing er sett alfarið á ábyrgð framleiðanda; 5) Markmið yfirlýsingarinnar; 6) Gerð; 7) Tilnefning; 8) Lýsing; 9) Markmið yfirlýsingarinnar lýst er hér að ofan er í samræmi við viðeigandi Union samhæfingu 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 deklārācijas priekšmets atbilst attiecīgajam Savienības saskaņošanas tiesību aktam; 10) Direktīva; 11) Standarts; 12) Papildus informācija; 13) Parakstīts vārdā

LIETUVIŲ; 1) ES Atitikties deklaracija; 2) Skaičius; 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) Standard; 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) Dežinjazzjoni; 8) Deskrizzjoni; 9) L-għan tad-dikjarazzjoni deskritt hawn fuq huwa konformi mal-leġislazzjoni ta' armonizzazzjoni rilevanti tal-Unjoni; 10) Direttiva; 11) Standard; 12) informazzjoni addizzjonali; 13) Iffirmat għal u f'isem 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) Standaard; 12) Aanvullende informatie; 13) Ondertekend voor en namens

NORSK; 1) EU-Erklæring; 2) Nummer; 3) Produsent; 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 odnośnymi wymaganiami unijnego prawodawstwa harmonizacyjnego; 10) Dyrektywa; 11) Standard; 12) Dodatkowe informacje; 13) Podpisano imieniu

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) Objeto 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) Directiva; 11) Padrão; 12) Informações adicionais; 13) Assinado por e nome

ROMÂNĂ; 1) Declarația UE de conformitate; 2) Număr; 3) Producător; 4) Prezenta declarație 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) Informatii aditionale; 13) Semnat pentru și în numele

SLOVENSKÝ; 1) EÚ Vyhlásenie o zhode; 2) Číslo; 3) Výrobca; 4) Toto vyhlásenie o zhode sa vydáva na výhradnú zodpovednosť výrobcu; 5) Predmet vyhlásenia; 6) Model/Typ; 7) Označenie; 8) Popis; 9) Uvedený predmet vyhlásenia je v zhode s príslušnými harmonizačnými právnymi predpismi Únie; 10) Smernice; 11) Štandardný; 12) Doplňujúce informácie; 13) Podpísané za av mene na

SLOVENŠČINA; 1) Izjava EU o skladnosti; 2) Število; 3) Proizvajalec; 4) Ta izjava o skladnosti je izdana na lastno odgovornost proizvajalca; 5) Predmet izjave; 6) Model/Type; 7) Oznaka; 8) Opis; 9) Predmet navedene izjave je v skladu z ustrezno 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) Föremål 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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