KIP 2300 USB3

User Guide

Version B.1

We highly appreciate your purchasing our KIP 2300 Wide Format Scanner.

This User's Manual contains functional and operational explanation for KIP 2300 Wide Format Scanner.
Read this User's Manual carefully before use in order to understand the KIP 2300 Wide Format Scanner completely and to use more efficiently.
Keep this User's Manual for future reference.

1. For U.S.A.
    This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
2. For Europe
    This equipment complies with the requirements in Pub.22 of CISPR Rules for a Class B computing device.
    Operation of this equipment in a residential area may cause unacceptable interference to radio and TV reception requiring the operator to take whatever steps are necessary to correct the interference.

Do not install Machine around electronics equipment or precision instruments.
It may be influenced by electrical reason or vibration while operation.

If Machine is installed near electronics equipment, such as TV or radio, interference to equipment, such as noise or flickering may be occurred.
Use separate power line and install Machine as far as such equipment.

As an ENERGY STAR ® Partner, Katsuragawa Electric Co., Ltd. has determined that this product meets the ENERGY STAR ® guidelines for energy efficiency.

The International ENERGY STAR ® Office Equipment Program is an international program that promotes energy saving through the penetration of energy efficient computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Their standards and logos are uniform among participating nations.

The symbol shown indicates that this product conforms to Directive 2012/19/EC of the European Parliament and the council of 4 July 2012 on waste electrical and electronic equipment (WEEE) and does not apply to countries outside of EU.

Only For EU Member States

The symbol shown indicates that this product conforms to SJ/T11364-2006 of People's Republic of China Electronic Industry Standard and does not apply to countries outside of People's Republic of China.

The symbol shown indicates that this product conforms to GB 18455-2001, SJ/T 11364-2006 of National Standard of the People's Republic of China and does not apply to countries outside of People's Republic of China.

WARNING FOR THE SAFETY (OBSERVE THESE WARNING)

Following warnings are very important to use this equipment safely and to prevent the operator from danger and his/her property from being damaged.

Hazardous or damage degree is classified and shown as follows when this machine is erroneously used ignoring this USER'S MANUAL.

WARNING

This caution mark denotes that the failure to follow given instructions in handling the machine could result in a death or serious injury.

CAUTION

This caution mark denotes that the failure to follow given instructions in handling the machine could result in an injury or physical damage only.

This symbol signifies what must not be done.

This symbol signifies General Mandatory Action.

⚠ WARNING

Connect the scanner and Ground with each other surely with the grounding wire. Otherwise, it is dangerous for you if you receive an electric shock or at the time of lightning. If the outlet does not have a Grounding Terminal or if it is impossible to connect, call the vendor or service professional for the installation.

1. Power source should be rated from 100V - 240V +6/-10%, 6A or higher, and 50/60Hz.
2. It is preferable that the used power circuit is provided with a dedicated breaker.
3. Install the machine as close as possible to the outlet.
4. When you wish to move the machine to another place, make sure to ask your service engineer.

1. Do not use a multi-wiring connector that might raise the temperature of the outlet abnormally and cause a fire.
2. Do not put anything heavy on the power cord. It may cause a fire or receiving an electric shock.
3. Do not step on the power cord, and do not damage or process it. It may also cause a fire or receiving an electric shock.
4. Do not tie the power cord or make a knot on it. It may also cause a fire or receiving an electric shock.
5. Do not put a flower vase, a flowerpot or a water-filled glass on the top of the machine. If the water spilt out, it may also cause a fire or receiving an electric shock.
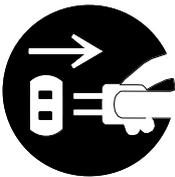
1. If the machine generates abnormal smell or noise, turn it off and then disconnect the power plug from the outlet necessarily.
2. Do not handle the power plug with the wet hand positively. It may cause to receive an electric shock.
3. Insert the power plug into the outlet completely. If the power plug is not inserted completely, it may cause a fire.
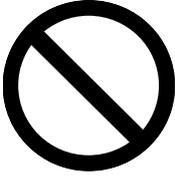4. Use only the attached power cord.
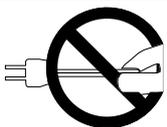
Make sure to catch the Plug when you unplug the machine.
Otherwise, you may break the cord and may result in a fire or receiving an electric shock.

Do not disassemble or tamper the machine. Otherwise, it may cause a fire or receiving an electric shock.
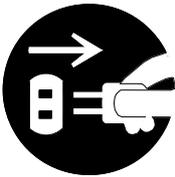
⚠ **CAUTION**

🚫 Do not install the machine at the following places.
1. Humidified or dusty place.
2. Unstable floor. (When the machine comes down, it may cause the injury.)

❗ Be careful not to catch your hand between Upper Unit and Main Unit when you close the Upper Unit.

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1. Unplug the machine before you move it to another place. Otherwise, the power cord may be damaged and may result in a fire or receiving an electric shock.
2. If nobody operates the scanner in the night time, make sure to turn it off for the safety.
3. If nobody operates the machine for a long time during consecutive holidays, make sure to turn it off for the safety.
4. Nothing should be put near the power plug so as to disconnect it quickly anytime.

LED Safty (Safty of LED Products)

"Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure"

As the LED on the Light Source PCBs (PW12130 & PW12131) are Risk Group 1 LED singularly, it is not allowed for using it with disassembling or converting.

Classification of LED product :
- Risk Group 1 LED
    IEC 62471
- Maximum class of the embedded LED : Risk Group 1

POWER CORD INSTRUCTION

The installation of (or exchange to) a power plug which fits in the wall outlet of the installation location shall be conducted in accordance with fallowing:

⚠ WARNING

Selected a power plug which meets the following criteria;
- The plug has a voltage and current rating appropriate for the product's rating marked on its name plate.
- The plug meets regulatory requirements for the area.
- The plug is provided with a grounding pin or terminal.

If the appropriate plug does not fit the wall outlet in the installation, the customer shall install an appropriate outlet.

Connector Type:

Configuration	Standard	Rating(minimum)	Usually found in
	IEC60320:C13	7A 250V(IEC) 7A 125V(UL)	

Plug Type : Model Rating 220-240V

Configuration	Standard	Rating(minimum)	Usually found in
	CEE7/7	7A 250V	European countries
	KS C 8305	7A 250V	Korea
	AS/NZS 3112	7A 250V	Australia New Zealand
	GB1002 GB2099.1	7A 250V	China
	IRAM 2073	7A 250V	Argentina
	BS 1363	7A 250V	British
	SASO 2203	7A 250V	Saudi Arabia
	BS 546A IS-1293 SABS-1293	7A 250V	British India South Africa
	SEV 1011	7A 250V	Switzerland

Plug Type : Model Rating 120V

Configuration	Standard	Rating(minimum)	Usually found in
	NEMA 5-15P	7A 125V	US Canada (UL Listed Power Cord Set only)

Cord Type

Standard	Rating(minimum)	Usually found in
SVT 3X18AWG Long <2.4m	7A 125V	North America
H05VV-F 3X0.75mm^2	7A 250V	European countries Argentina
RVV 3X0.75mm^2	7A 250V	China

Standard	Rating(minimum)	Usually found in
SVT 3X18AWG Long <2.4m	7A 125V	North America
H05VV-F 3X0.75mm^2	7A 250V	European countries Argentina

Chapter 1

Before Use

1. 1   Installation Requirements

The following conditions have to be satisfied when installing the KIP2300 Scanner.

1. Satisfy the following input power condition.

   Voltage ─────── 100 - 240V +6%/-10%
   Current ─────── 6A or higher
   Frequency ─────── 50 or 60Hz.

   KIP2300 can be connected to the outlet simply so far as the voltage is within 100 - 240V.
   (+6% and -10% are acceptable)

2. Connect the power plug to the grounded outlet.

3. To completely disconnect the equipment from the power source, please draw the power plug from the outlet. The outlet must be easily accessible near the equipment.

4. The temperature must be within 10 through 32 degrees centigrade, and the humidity must be within 20 through 80%.

5. Keep the equipment away from fire, dust and direct sunlight. If it is impossible to avoid the direct sunlight, please pull the curtain to intercept the sunlight.

7. Keep enough space around the machine as follows.
   (The following values are the least requirements. Please keep a wider space if possible.)
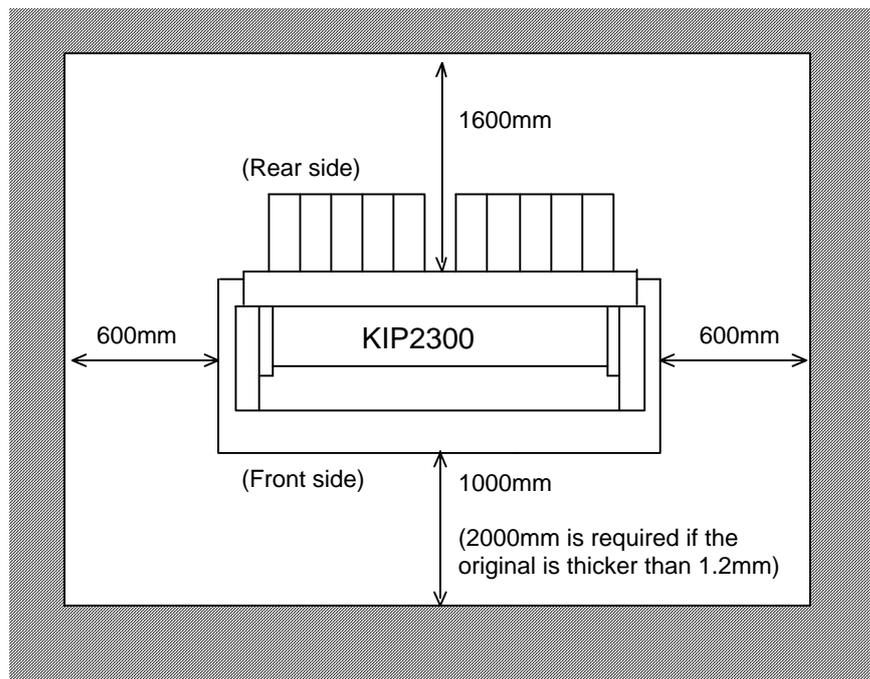
Reference

Machine Noise Information Ordinance 3. GSGV January 18, 1991 :
The maximum sound pressure level is equal or less than 70dB (A) according to ISO 7779.

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Use separate power line and install Machine as far as such equipment.**

1. 2   Features

Large format full color image scanner
KIP2300 is a full color image scanner that provides various copy/scan operations with being combined with KIP System K controller. It provides the following 3 modes for scanning and copying.
- 24 bit color mode
- 8 bit gray mode
- Binary (black & white) mode

Recognizable of various original widths
KIP 2300 Scanner can recognize the following kinds of standard original widths as well as any non-standard widths ranging from 210mm to 1066.8mm (42").
Metric standard original widths   : A0, A1, A2, A3, A4, 36"
Engineering/Architecture widths : 36", 34", 30", 24", 22", 18", 17", 12", 11", 8.5"

High resolution scanning
KIP2300 scanner's 600dpi optical resolution allows for producing high quality scan/copy image from various types of original image. Scan resolution can be increased or decreased between 100 and 2400dpi as required.

Acceptable of extensive original thickness
KIP2300 accepts a sheet type original as well as a board type one. The acceptable thickness range is from 0.05mm to 16.0mm.

Dual original feeders
The lower original feeder accepts all supported thicknesses and sizes of originals. The original is set with face down and ejected to the rear tray.
The upper original feeder accepts all sizes of sheet type original that is thinner than 0.1mm. The original is set with face up for enabling an operator to check the image or orientation before scanning. The original fed from the upper original feeder is ejected from the lower original feeder.

High-speed data transfer
KIP2300 corresponding to USB 3.0 provides the high-speed data transmission.

Application software
KIP2300 scanner offers variety of features when connected with KIP System K application software.
Please see the user guide of each application for further details.

1.3　Specifications

Model	KIP2300 Image Scanner
Type	Desktop scanner
Reading sensor	3 CCD Reduction Optical System (3 CCD of RGB 7450 pixels)
Optical Resolution	Main scanning (horizontal) direction ·············· 600dpi Sub scanning (vertical) direction ··············· 600dpi
Range of Scan Resolution	100 – 2400dpi
Scan mode	Binary mode 8 bit gray mode 24 bit color mode
Scanning method	Sheet through type
Scan speed	Monochrome / Gray mode 　　100dpi : 12"/sec (lower feeder), 5"/sec (upper feeder) 　　600dpi : 5"/sec (lower feeder), 5"/sec (upper feeder) 　2400dpi : 1.25"/sec (lower feeder), 1.25"/sec (upper feeder) Color Mode 　　100dpi : 12"/sec (lower feeder), 5"/sec (upper feeder) 　　600dpi : 2"/sec (lower feeder), 2"/sec (upper feeder) 　2400dpi : 0.5"/sec (lower feeder), 0.5"/sec (upper feeder) NOTE : An original of 0.5mm or more in thickness is allowed only with the lower feeder, and is scanned at a speed of up to 5"/sec. (depends on the selected dpi) Board Mode up to 600dpi : 2"/sec (lower feeder) 　　2400dpi : 0.5"/sec (lower feeder)
Original type	Sheet type & board type 　- Upper original feeder can accept 0.05-0.1mm. 　- Lower original feeder can accept 0.05-16.0mm.
Maximum reading width	914.4mm (36")
Transportable original length	Max. ·············· 16,000mm Min. ·············· 210mm NOTE : 　- 48" is the maximum for "board type" originals 　- 297mm is the minimum for originals in 0.5mm or more thickness
Transportable original width	Max. ·············· 1066.8mm (42") Min. ·············· 210mm
Thickness of original	Max. ·············· 16mm Min. ·············· 0.05mm
Placement of original	Centered
Light source	White LED
Warm up time	Less than 10 seconds
Memory	256MB DDR DIMM
Operation system	Windows 10, 8, and 7
Interface	USB 3.0 : for controlling & image data transfer

⚠ NOTE

Specifications may change without notification.

Power source	Voltage
	  100 – 240V +6%/-10%
	
	Frequency
	  50 or 60Hz

Max. power consumption	Less than 120W

Average power consumption	(US : 120V)
	  - During scanning ·············· 120W
	  - Ready ······························· 50W
	  - In Power Save Mode ········ 0W
	
	(EUR / ASIA : 200-240V)
	  - During scanning ·············· 120W
	  - Ready ······························· 50W
	  - In Power Save Mode ········ 0W

Dimension	1,366mm (Width) x 543mm (Depth) x 323mm (Height) NOTE : Original Guides, Original Tray and Pedestal are excluded.
Weight	About 76kg

Environmental conditions	Temperature
	  10 - 32 degrees centigrade
	Humidity
	  15 - 85%RH (No dew)
	
	(Recommended)
	  23 degrees centigrade and 60% RH (No dew)

Acoustic noise	Stand by ·························· Less than 60db During scanning ··········· Less than 65db Impulse sound ··············· Less than 70db
Option	Pedestal (Scanner Stand)

⚠ NOTE

Specifications may change without notification.

1. 4　Name & Function of Each Part

1. 4. 1　Front view

　　Chapter 1　Before Use

No.	Name	Function
1	Upper Original Feeder	Upper Original Feeder accepts a sheet type original that is 0.05-0.1mm in thickness. Please set the original with face up. The original fed from here Feeder is ejected to the front side of scanner via Lower Original Feeder.
2	Lower Original Feeder	Lower original Feeder accepts a sheet type original that is 0.05-1.49mm in thickness as well as a board type original that is 1.5-16.0mm in thickness. Please set the original with face down. The original fed from here is ejected to the rear side of scanner and received by the Rear Steel Tray.
3	Upper Original Feeder Indicator	This lights green when the Upper Original Feeder can accepts original insertion.
4	Lower Original Feeder Indicator	This lights green when the Lower Original Feeder can accepts original insertion. And in the Board Original Mode, it blinks green when the scanner detects original.
5	Original Guides	These guides can be shifter left and right according to the original width, and prevent the original from skewing during scanning.
6	Levers	Unlocking the Levers allow for opening the Scanner Upper Unit.
7	Board Button & Lamp	Pressing the Board Button enables or disables Board Original Mode. The Board Lamp lights green when the Board Original Mode is enabled.
8	Stop Button & Lamp	Pressing the Stop Button during scanning will stop scanning and original transportation in the middle, and one more will eject the original to either front or rear.
9	Power Lamp	This shows the status of scanner. - Blinking in green : During initialization (not ready) - Lighting in green : Ready for scanning or during scanning - Lighting in orange : Scanning (original transportation) is paused - Blinking in orange : Ejecting the original - Lighting in red : Scanner has any error
10	Front Steel Tray	Helps feeding a board type original into the Lower Original Feeder.
11	Rear Steel Tray	Receives the original ejected from the scanner after scanning. Max. number of originals : about 50 sheets of 36"x48" Max. weight of originals : 5kg/square meter

1. 4. 2　Rear view
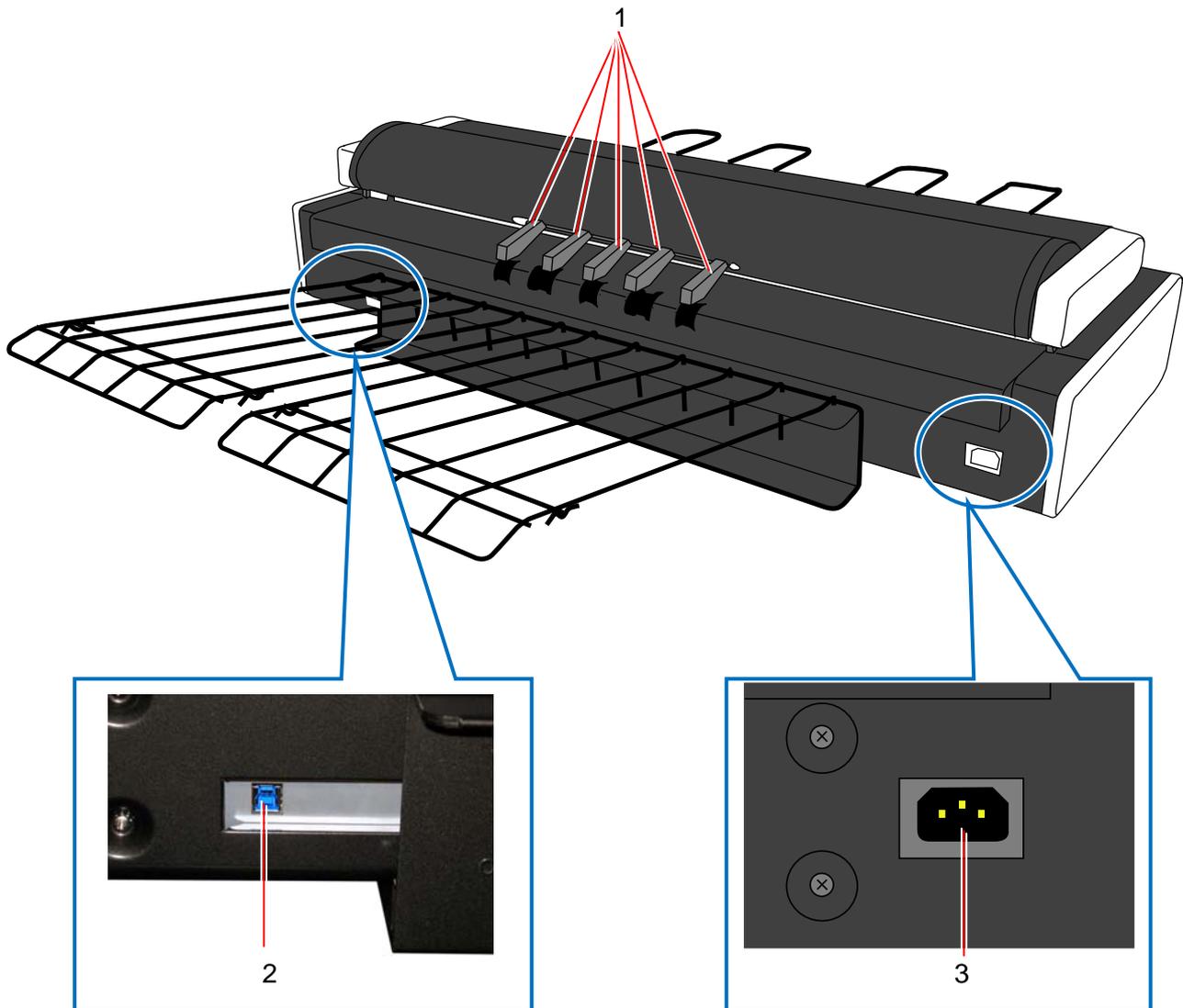
No.	Name	Function
1	Rear Counter Rollers	Help to transport the original when ejected.
2	USB Terminal	USB 3.0 cable (3 meters max.) is connected. - Connected to the PC - Type B Connector - 5V max.
3	Inlet	Power cord is connected.

1. 5   Specifications for Scan Original

1. 5. 1   Originals Prohibited from Duplication

It may be illegal to duplicate or copy certain types of originals and you may be punished by local or regional laws, if copies are made of these types of originals.
Please be aware of your local or regional laws and which originals they forbid you to duplicate.

Some Examples:
[Originals prohibited from copying by the law(s)]

1. Do not copy Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.).
2. Do not copy Foreign Currency or Foreign Negotiable Instruments.
3. Do not copy unused postal stamps or government postcards without permission to make replica from said Governments.
4. Do not copy Government issued revenue stamps, certificate stamps that are prescribed by Liquor Tax Act or the Commodity Tax Act.

[Special items which require your attention]

1. The government issues warnings if you are to copy private issued securities (stock certificate, draft, check, goods ticket, etc.), commutation ticket or book of tickets, excluding that some specific company copies such originals as many as it requires for its own business.
2. We recommend you not copy originals as government issued passports, public or private issued licenses, automobile inspection certification, ID and tickets passes or meals.

[Originals protected by the copyright]

It is prohibited to copy originals such as books, music, paintings, printed copies, maps, drawings, movie posters and pictures which are protected by the copyright laws.
Please see your local or regional laws.

1. 5. 2   Specifications for the scan original

Original's thickness which KIP 2300 scanner accepts is 0.05 through 16mm. Originals are divided into 2 types such as sheet type and board type in terms of the thickness.

- Sheet type: 0.05 through 1.49mm   (Upper original feeder accepts 0.05-0.1mm and lower one
                                                              does 0.05-1.49mm)
- Board type: 1.50 through 16.0mm
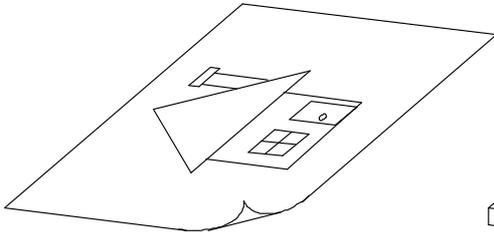
Sheet type original
(0.05 through 1.49mm)
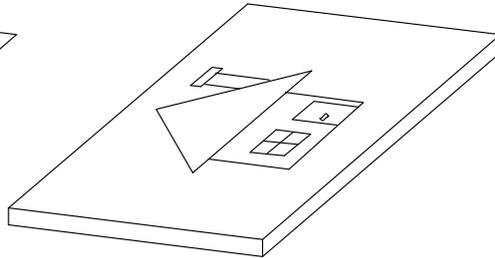
Board type original
(1.50 through 16mm)

The available original size differs according to the type.

	Sheet type	Board type
Length (up to 0.49mm in thickness)	210 through 16000mm	297 through 1219mm
Length (0.5mm or thicker)	297 through 16000mm	
Width	210 through 1066.8mm	210 through 914mm
Weight	-	Max 2.2kg / square meter

Do not scan the following types of original as it may damage the original or scanner itself.
It is possible for these originals to be scanned if you use a carrier sheet.
(We will not guarantee the image quality or reliability of original feeding when a carrier sheet is used.)

With stick-on label	
	Paste
Torn	

Folded (Leading edge)	
Uneven thickness	
Curled (Diameter of curl must be larger than 80mm.)	
Irregular shape (Not square)	KIP KIP
Wet (Ink is not dried)	KIP Wet
Made of metal or cloth	Metal Cloth KIP KIP
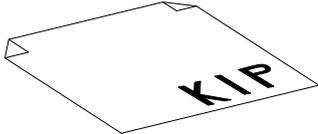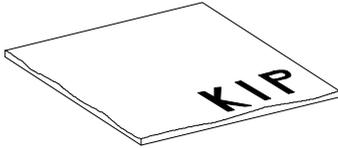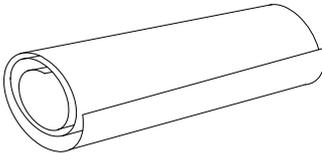
Patched	
Clipped or stapled	Clipped Stapled **K I P** **K I P**
Rough surface (Carbon paper for example)	Rough surface
Punched	
Dusty	
Electrically changed	
Photograph	
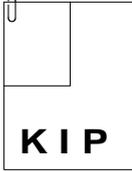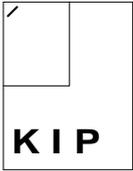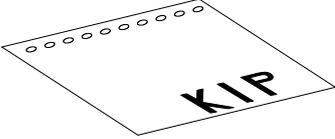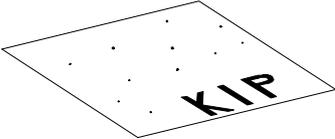
Chapter 2

Scanner Hardware Operation

2. 1　　Turning ON the KIP 2300

1. Prepare a power cable that satisfies the following specifications.

2. Connect the KIP2300 scanner to the outlet via the power cable.

⚠ WARNING

(1) Do not handle the power plug with a wet hand. It may result in receiving an electrical shock.
(2) Ground the machine for safety.
(3) Please connect to a dedicated outlet. Many loads on a single outlet may cause overheating and result in a fire.
(4) The outlet must satisfy 100-240V +6%/-10%, 50/60Hz, 6A or higher.

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3. Turn on the KIP2300 scanner pressing the bar (|) side of Power Switch on the left.
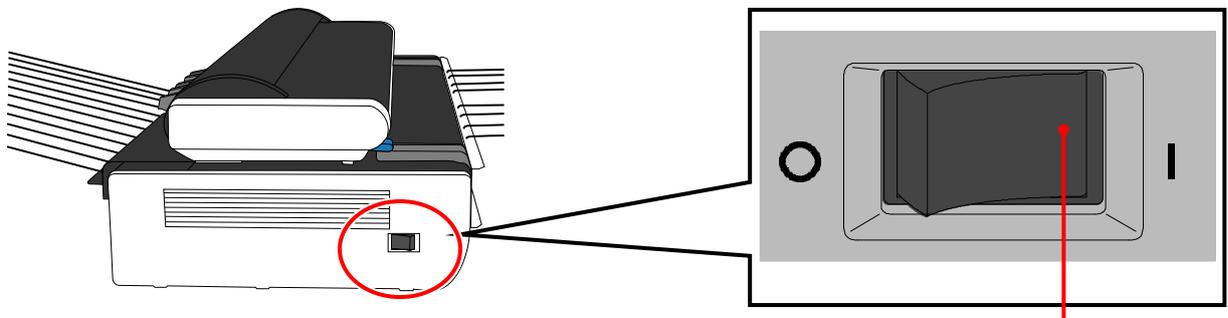
Press this side for turning on.

4. Scanner takes initialization. It takes about 10 seconds for the initialization, and the scanner does not accept original insertion during this period, which is shown by green flash of Power Lamp.

Power Lamp (flashes before ready)

BOARD
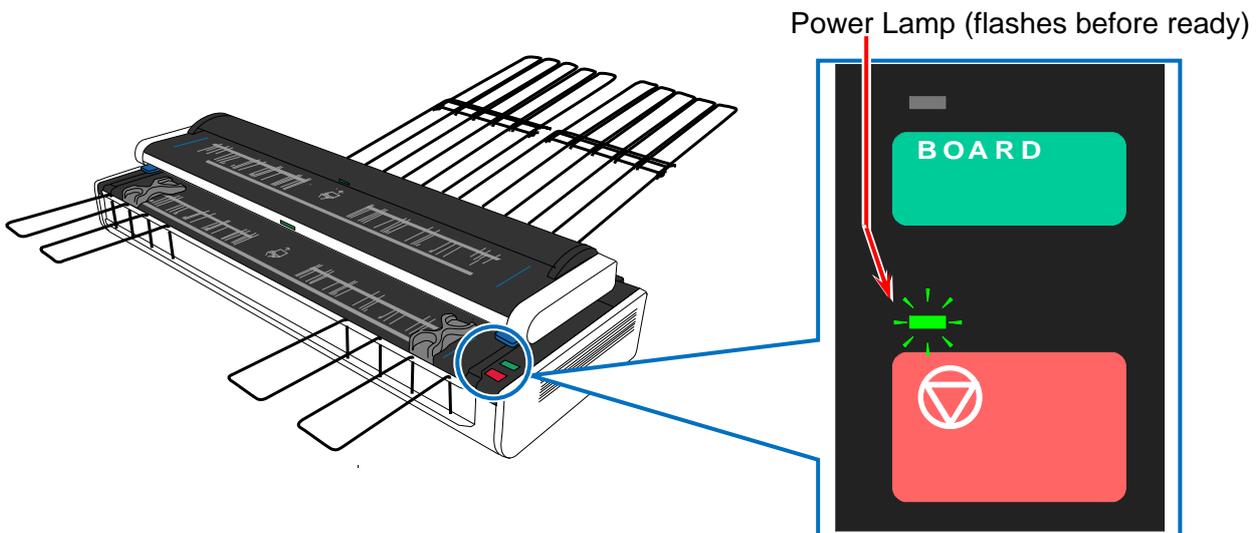
5. Scanner gets ready when all the initializations are finished, which is shown by continuous lighting of Power Lamp in green.

Power Lamp (lights when ready)
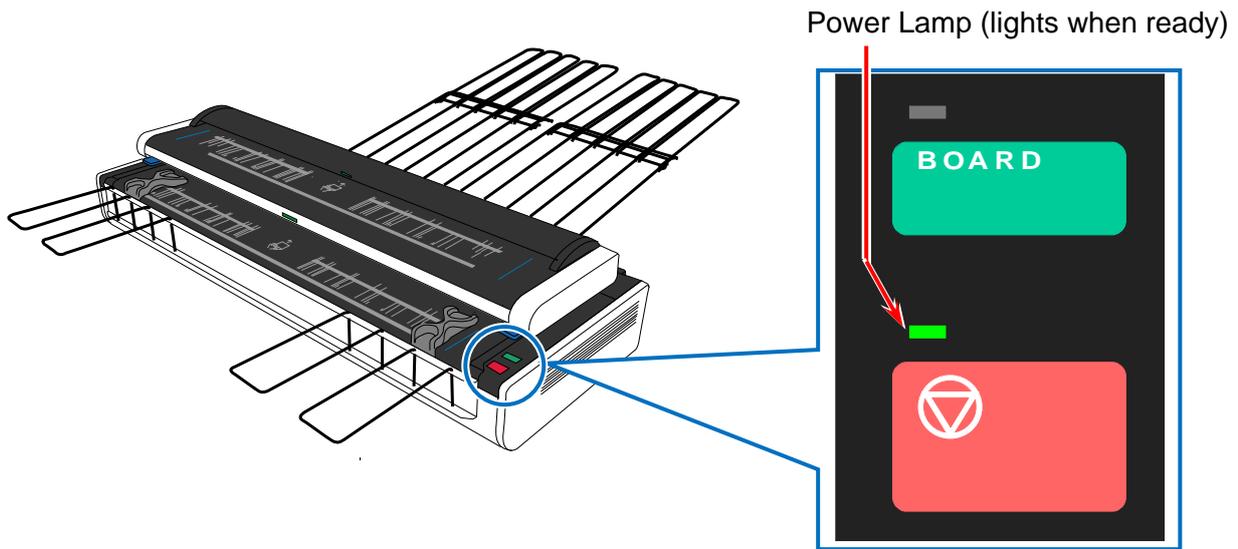
2. 2   Scanning an Original

2. 2. 1   Scanning a sheet type original

A sheet type original can be fed from both upper and lower original feeders.

- Upper original feeder accepts 0.05 to 0.1mm in thickness.
- Lower original feeder accepts 0.05 to 1.5mm in thickness.

Upper Original Feeder

Sheet type original
(0.05 through 1.0mm)

Lower Original Feeder
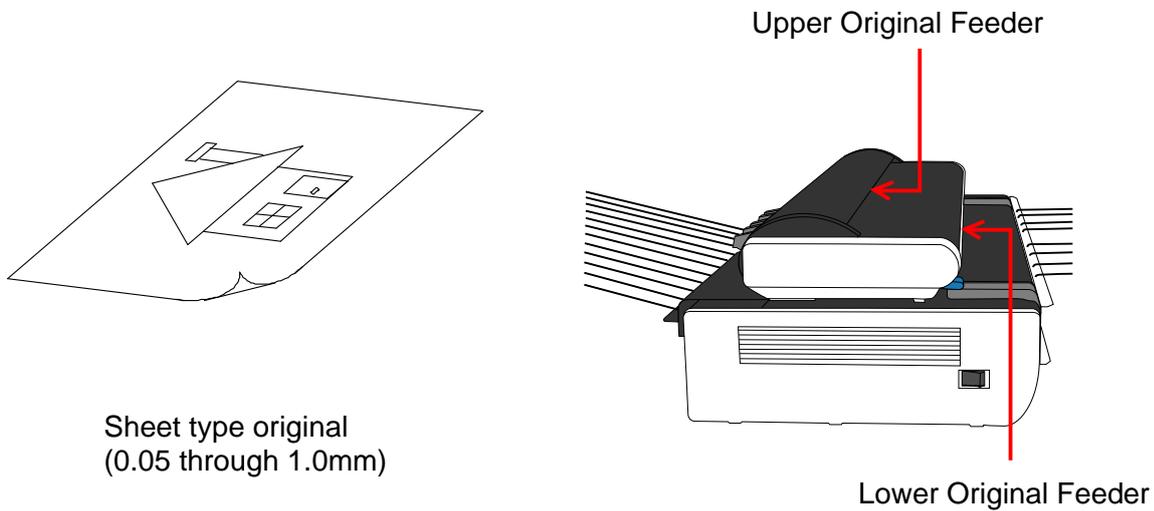
(1) Using the Upper Original Feeder

The thickness of original that the upper original feeder can accept is from 0.05 to 0.1mm.

1. Confirm the Upper Original Feeder Indicator is lighting in green. The original can be accepted only when it is lighting in green.

Upper Original Feeder Indicator
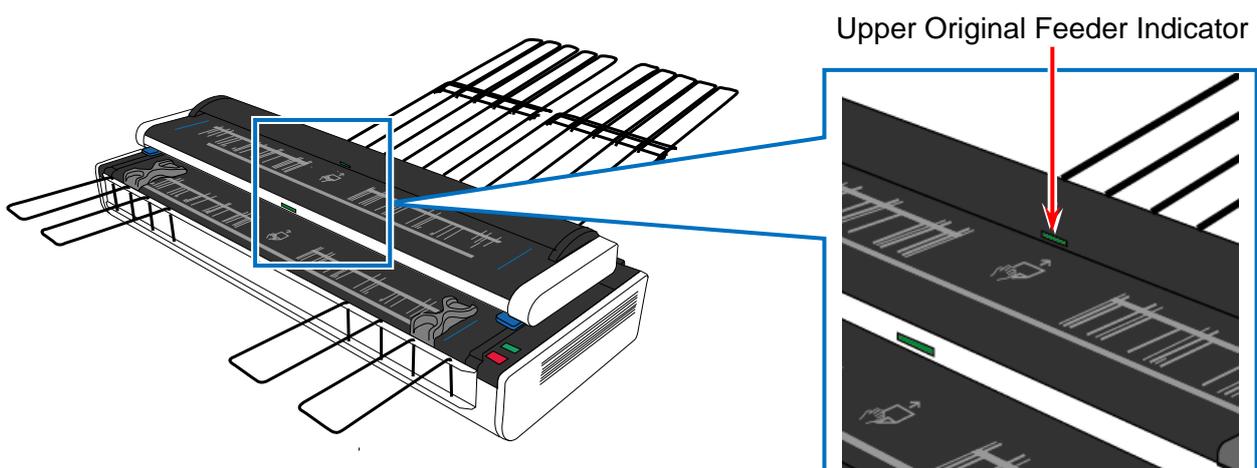
2. The Original Guides will prevent the original from skewing during scanning. Move them onto the Upper Original Feeder (if on the Lower Original Feeder). Then according to the width of scan original, align the inside edge of Original Guides to the concerning size lines on the table.
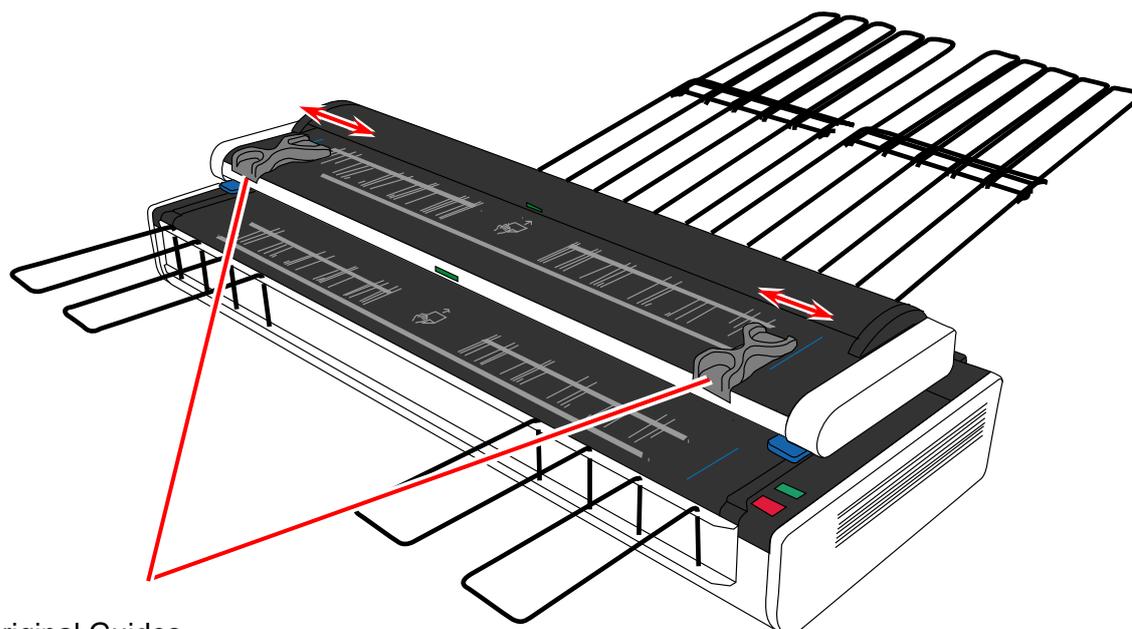
Original Guides

3. Confirm that the original is face up. Aligning both side edges with the Original Guides, insert the scan original into the Upper Original Feeder until the leading hits the feeding roller. Wait a few seconds with contacting the leading edge to the feeding rollers until the scanner starts transporting.
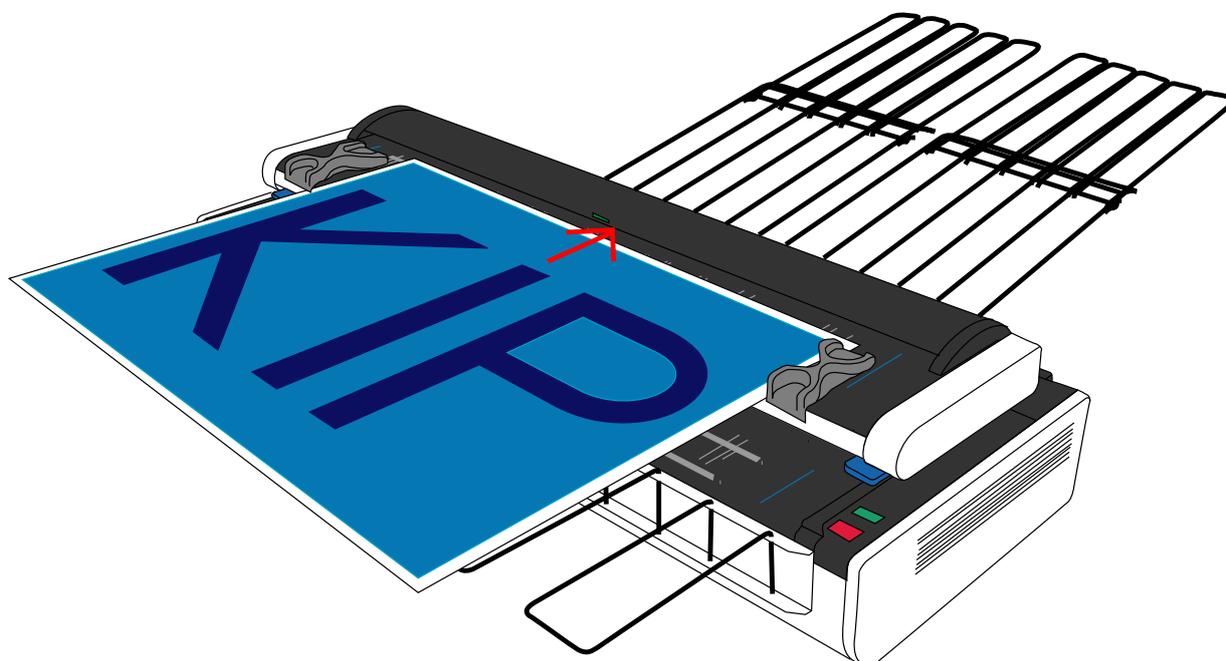
4. A few seconds later the scanner automatically transports the original a little to the rear side to detect its width. After that the original is moved back to the front side.

5. KIP2300 starts scanning automatically or manually according to the operation on the controller software. The original is turned and ejected to the front side via Lower Original Feeder.

Chapter 2   Basic Operation
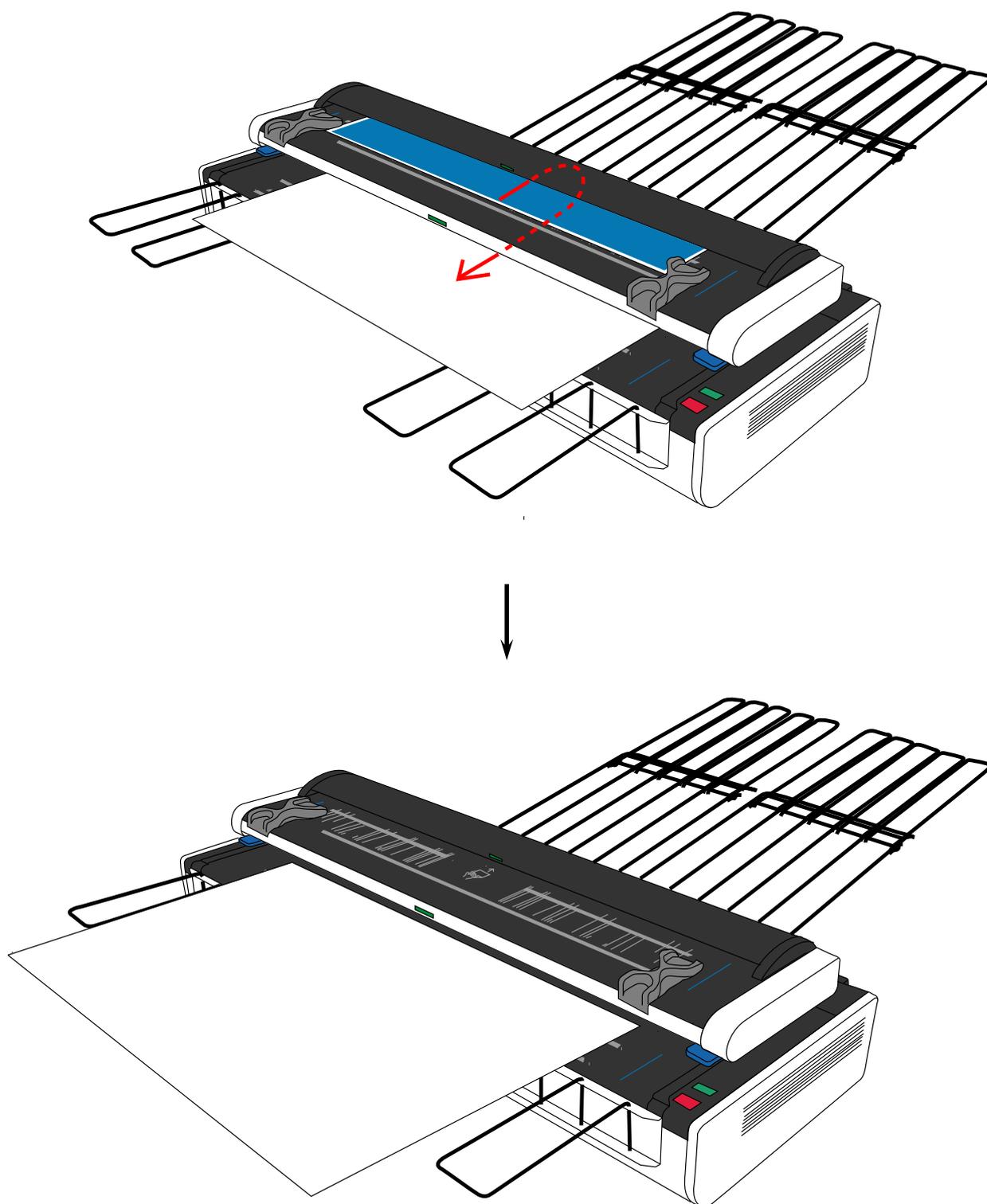
(2) Using the Lower Original Feeder

The thickness of original that the lower original feeder can accept by normal mode is from 0.05 to 1.49mm.

1. Confirm the Lower Original Feeder Indicator is lighting in green. The original can be accepted only when it is lighting in green.

Lower Original Feeder Indicator
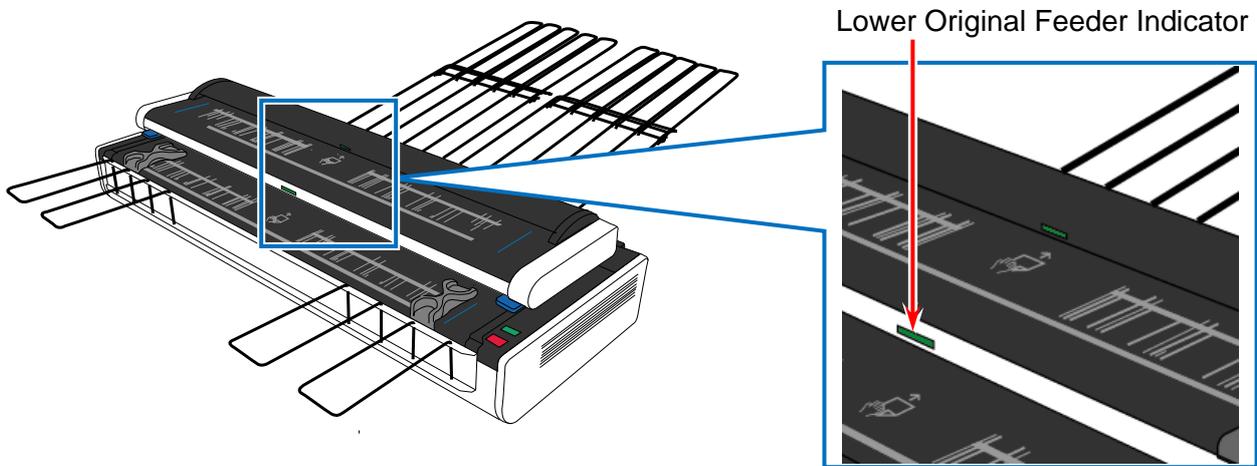
2. The Original Guides will prevent the original from skewing during scanning. Move them onto the Lower Original Feeder (if on the Upper Original Feeder). Then according to the width of scan original, align the inside edge of Original Guides to the concerning size lines on the table.
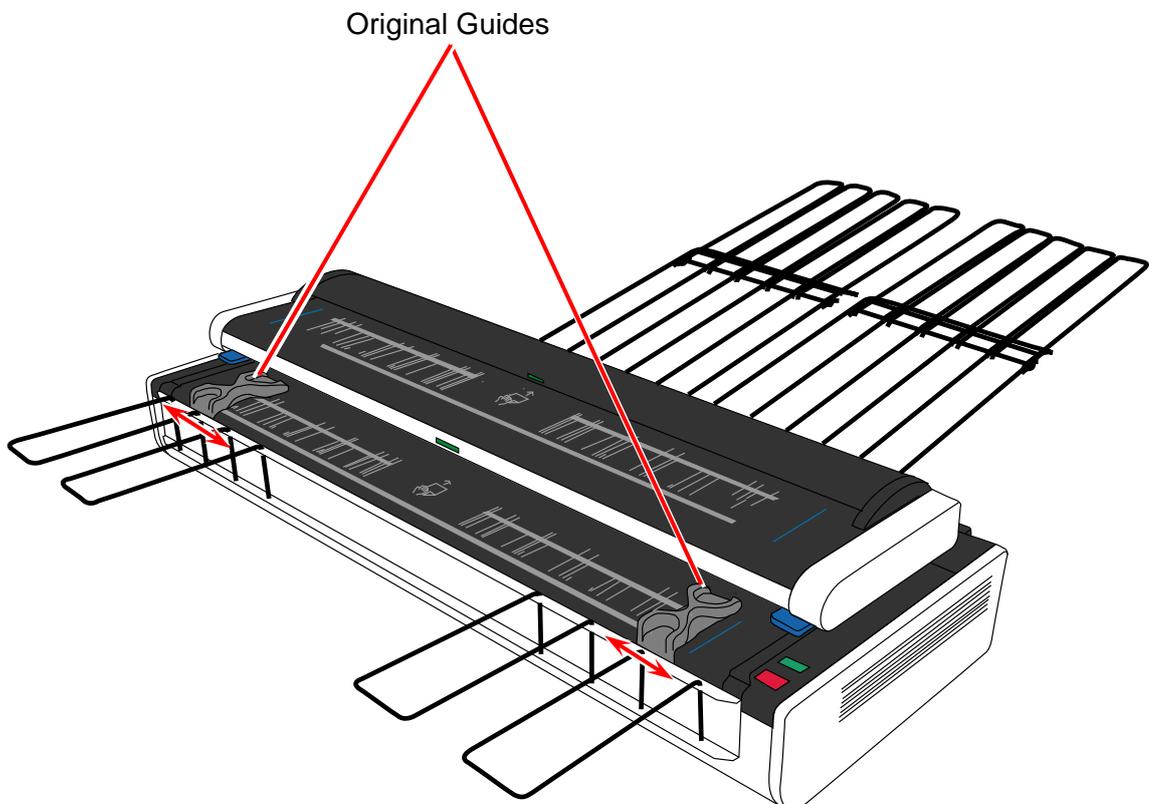
Original Guides

3. Confirm that the original is face down.
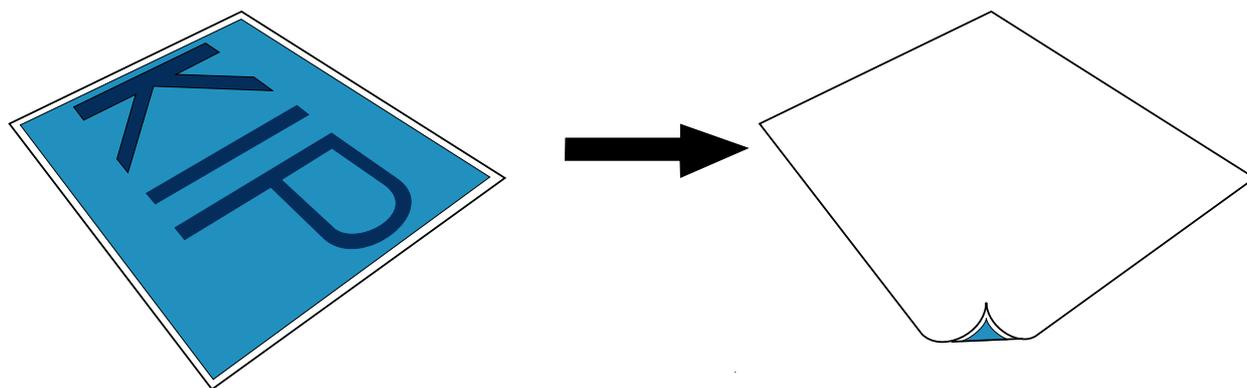
4. Aligning both side edges with the Original Guides, insert the scan original into the Lower Original Feeder until the leading hits the feeding roller. Wait a few seconds with contacting the leading edge to the feeding rollers until the scanner starts transporting.
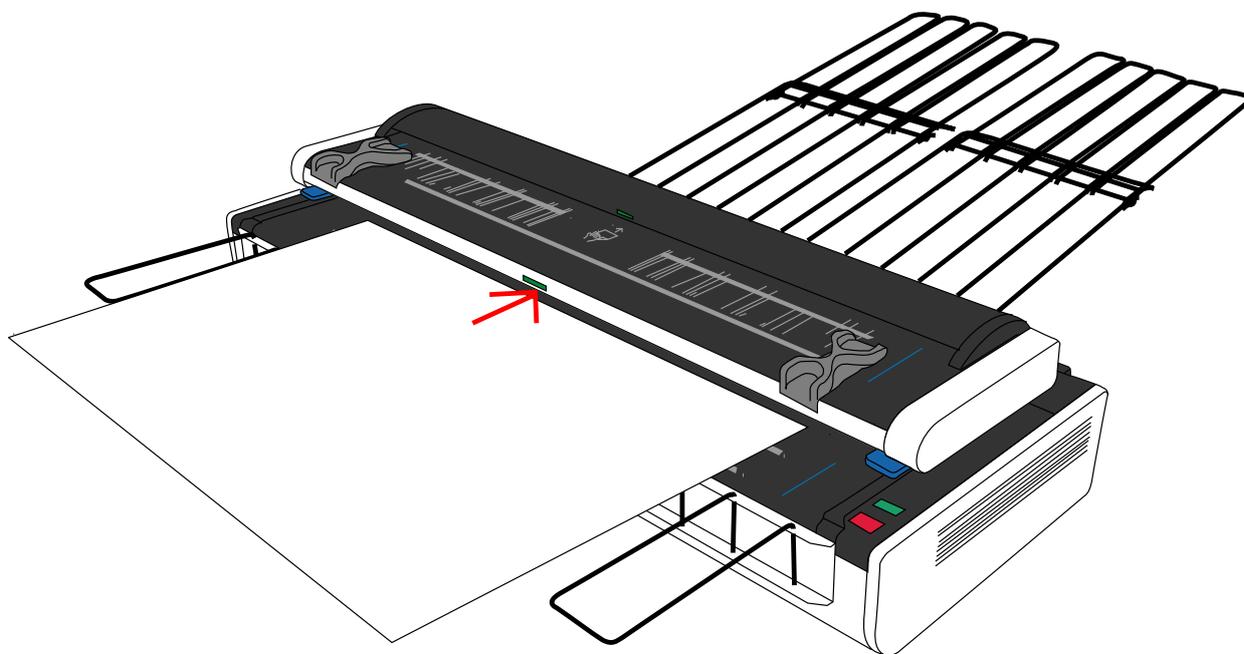
5. A few seconds later the scanner automatically transports the original a little to the rear side to detect its width. After that the original is moved back to the front side.

5. KIP2300 starts scanning automatically or manually according to the operation on the controller software.
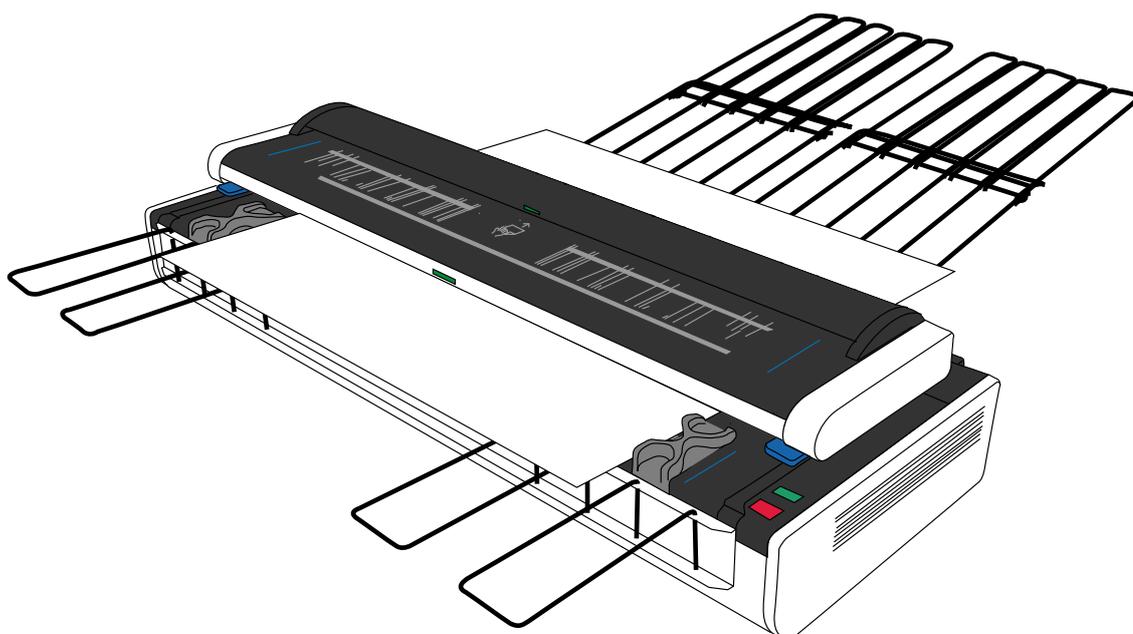
⚠ NOTE

The lower original feeder will transport the original very quickly especially when low scan resolution is selected in the monochrome/gray mode. Be careful not to touch the edge of original during transportation so as not to be harmed.

6. The original is ejected to the rear side and stacked on the Rear Steel Tray.
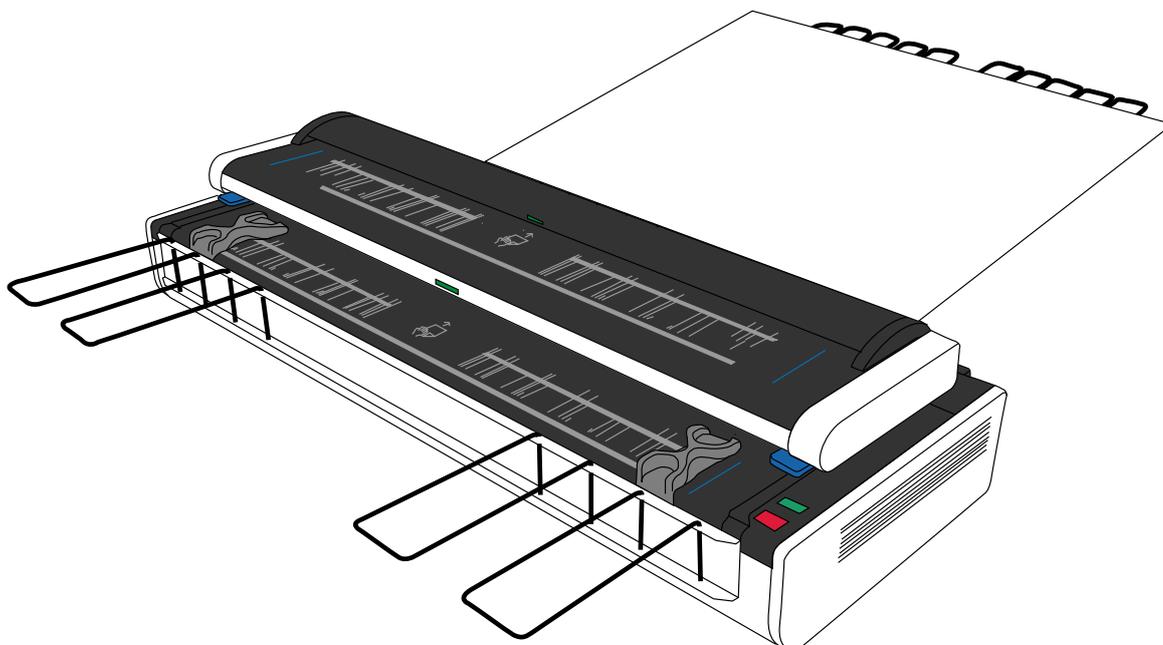
2. 2. 2   Scanning a board type original

An original thicker than 1.5mm needs to be scanned in the board original mode, and it must be fed into the Lower Original Feeder.
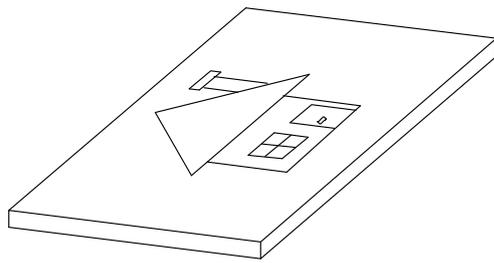
Board type original
(1.5 through 16.0mm)
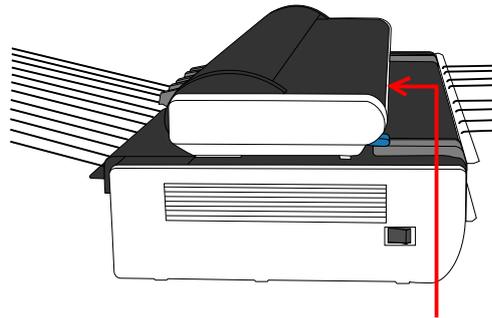
Lower Original Feeder

1. Confirm the Lower Original Feeder Indicator is lighting in green, which means the scanner is currently acceptable of original.

Lower Original Feeder Indicator
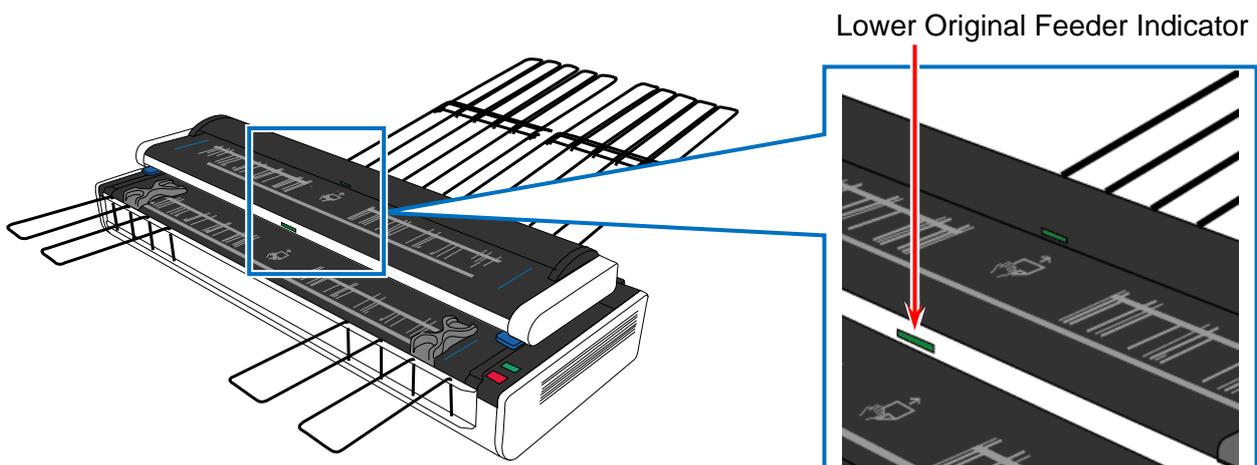
2. Move the bottom ends of Rear Steel Trays from normal position to low position, which will set the entire Rear Steel Trays to the low (flat) position.
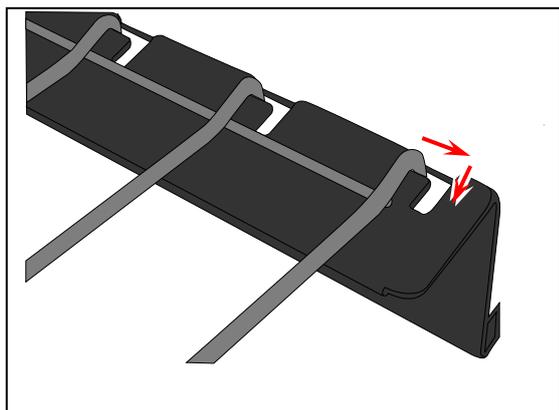
Normal position   Low position
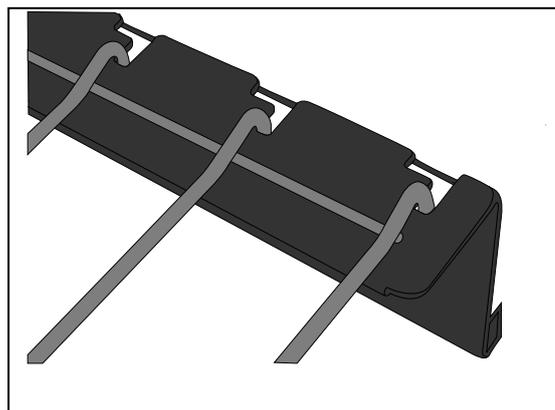
Normal position
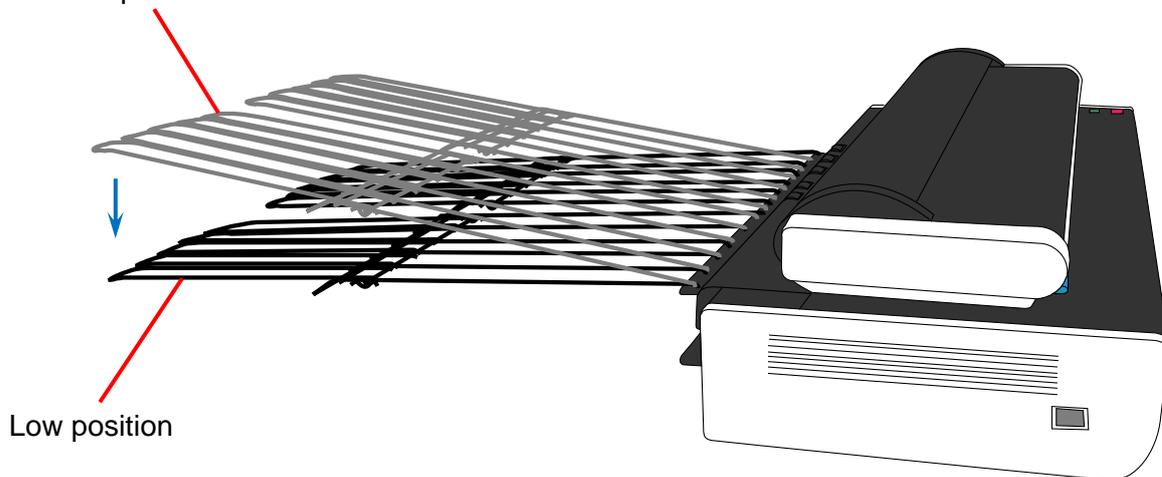
Low position

⚠ **NOTE**

Please set the Rear Steel Trays to the low position when a board type original is scanned.

3. Press BOARD Button to enable the Board Original Feeding Mode. The BOARD Lamp lights in green, and the Power Lamp blinks in green with waiting the insertion of board original.

BOARD Lamp (lights)

BOARD

Power Lamp (blinks)

BOARD Button
(Press this to enable the
board original mode)
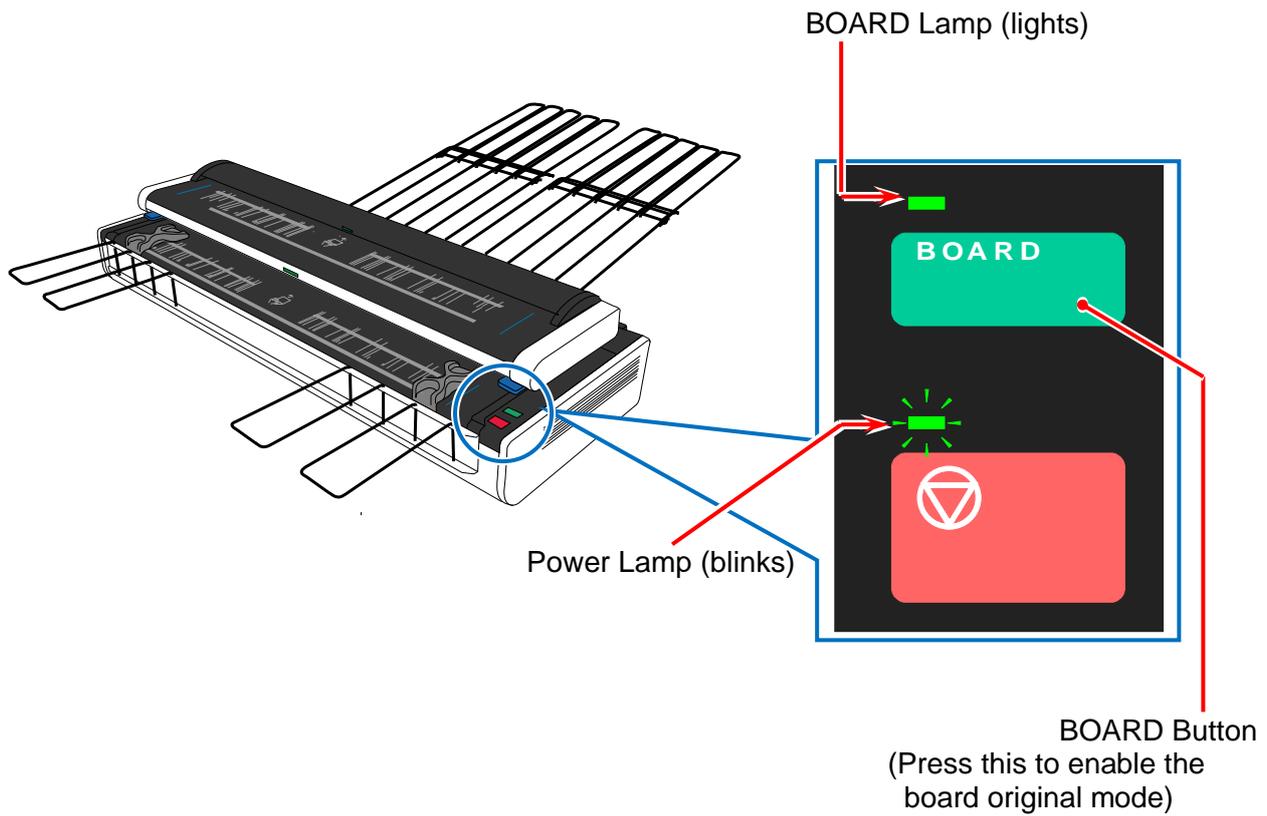
4. The Document Press Unit moves up when the BOARD button is pressed, which allows for accepting thick original by having wide space in the Lower Original Feeder.

Normal   Board Original Feeding Mode

Space for accepting a thick original
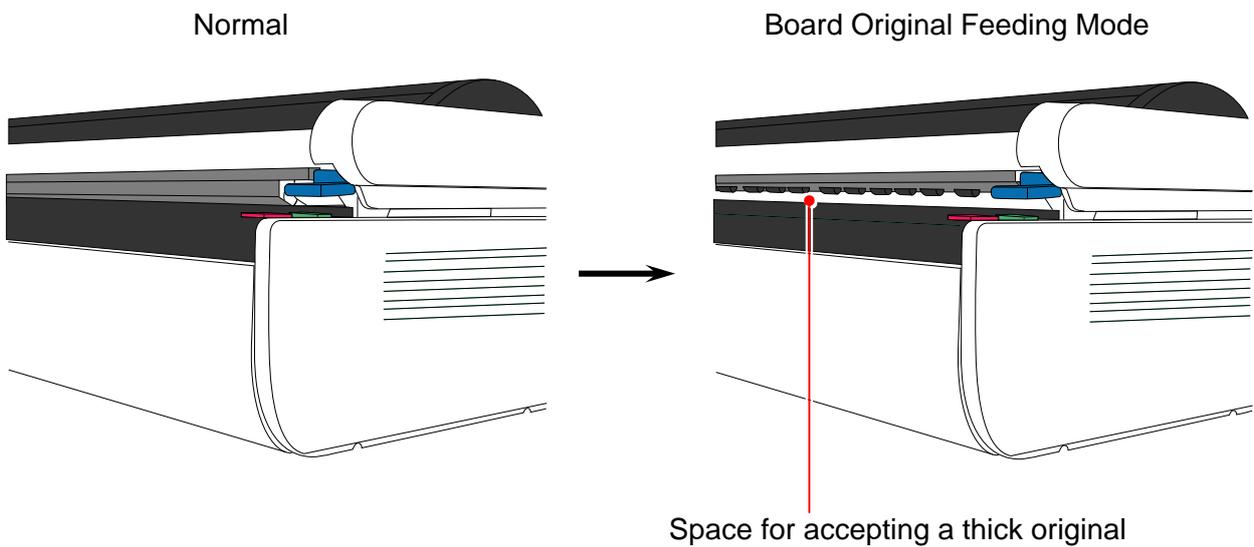
5. The Original Guides will prevent the original from skewing during scanning when placed correctly. Referring to the size lines on the scanner table, place these guides to the locations where the edges of scan original will be.
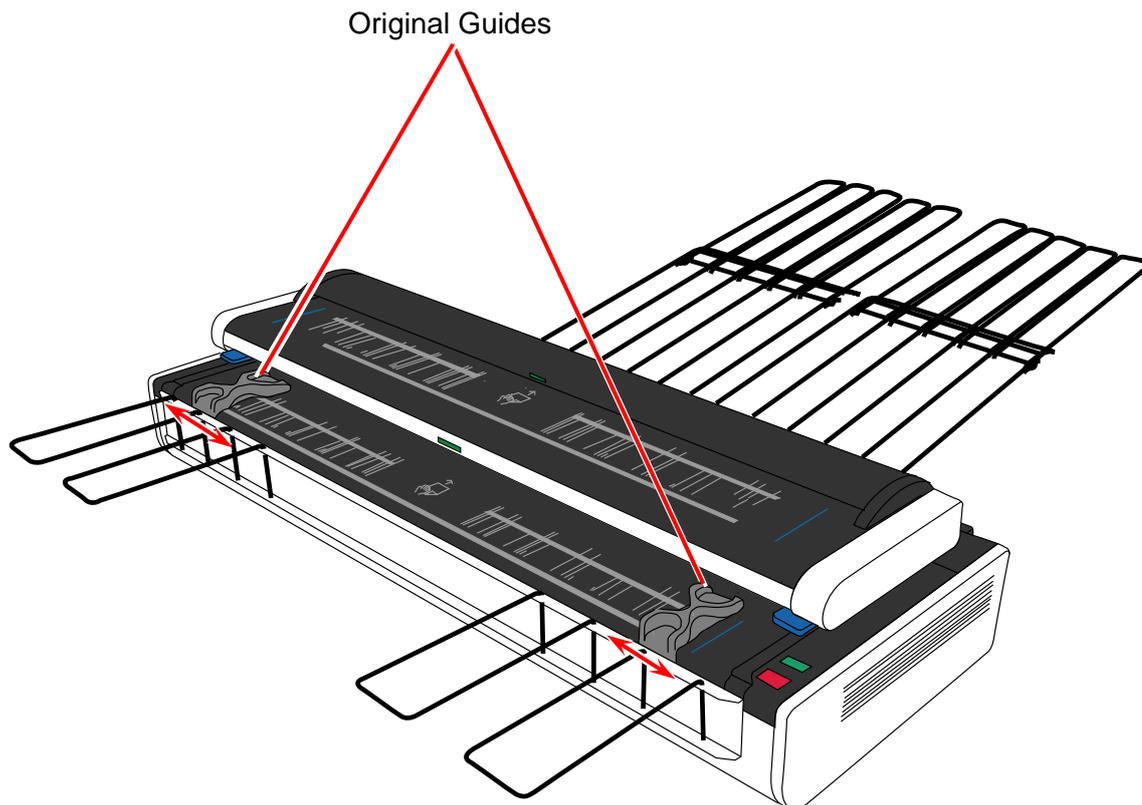
Original Guides

6. Confirm that the original is face down.

Backside
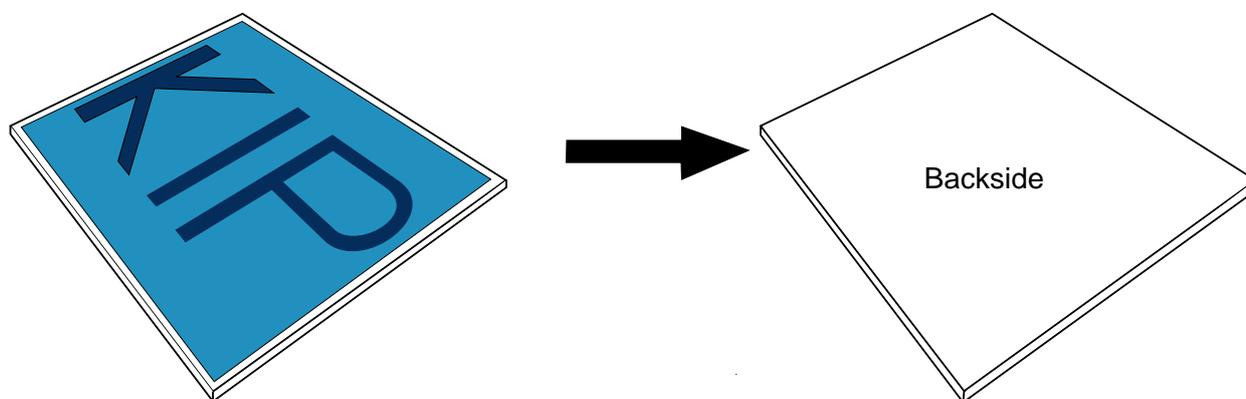
7. With aligning both side edges with the Original Guides, insert the scan original into the Lower Original Feeder and move it forward until the Lower Original Feeder Indicator starts blinking, which notices that the original is enough inserted.

Leading edge of the original

Blinks when original is enough inserted
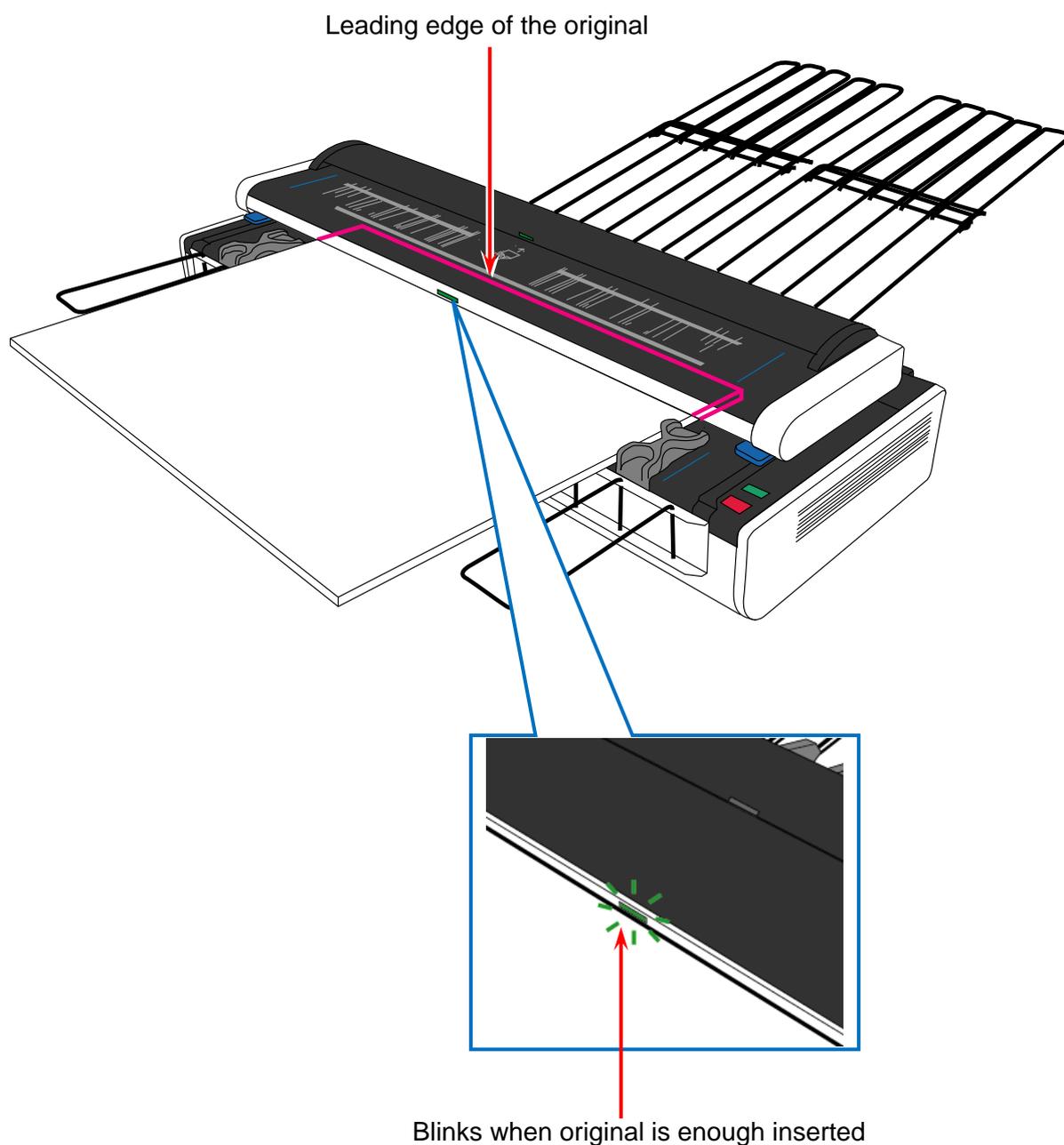
⚠ **NOTE**

For board type originals in non standard size, place the original as center as possible.

8. Press the BOARD Button. The Document Press Unit moves down and holds the original firmly.

BOARD Button
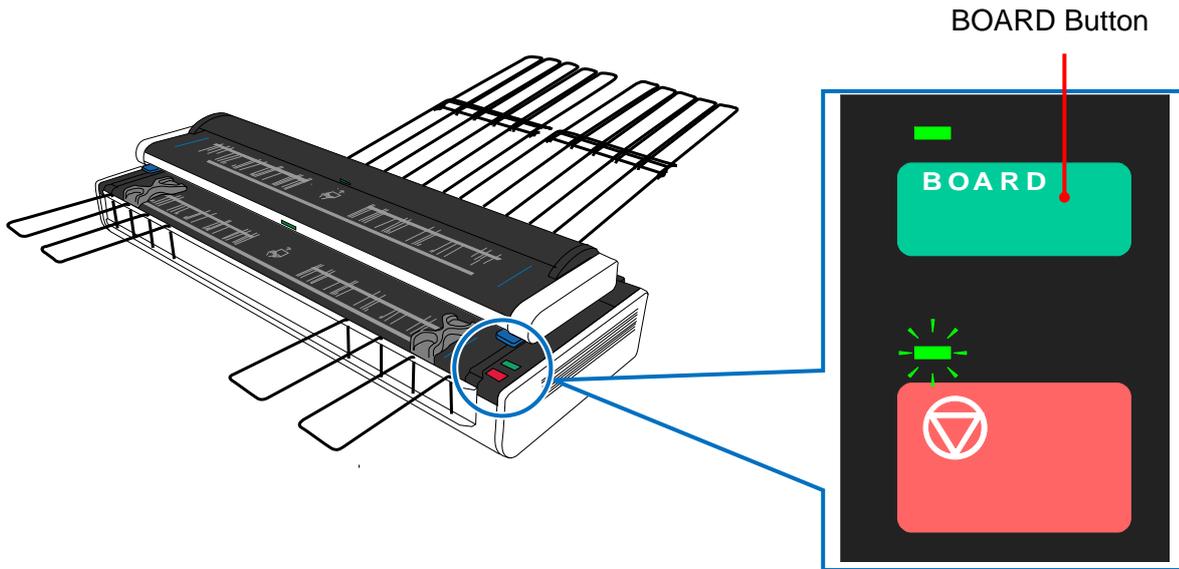
Document Press Unit (This moves down.)
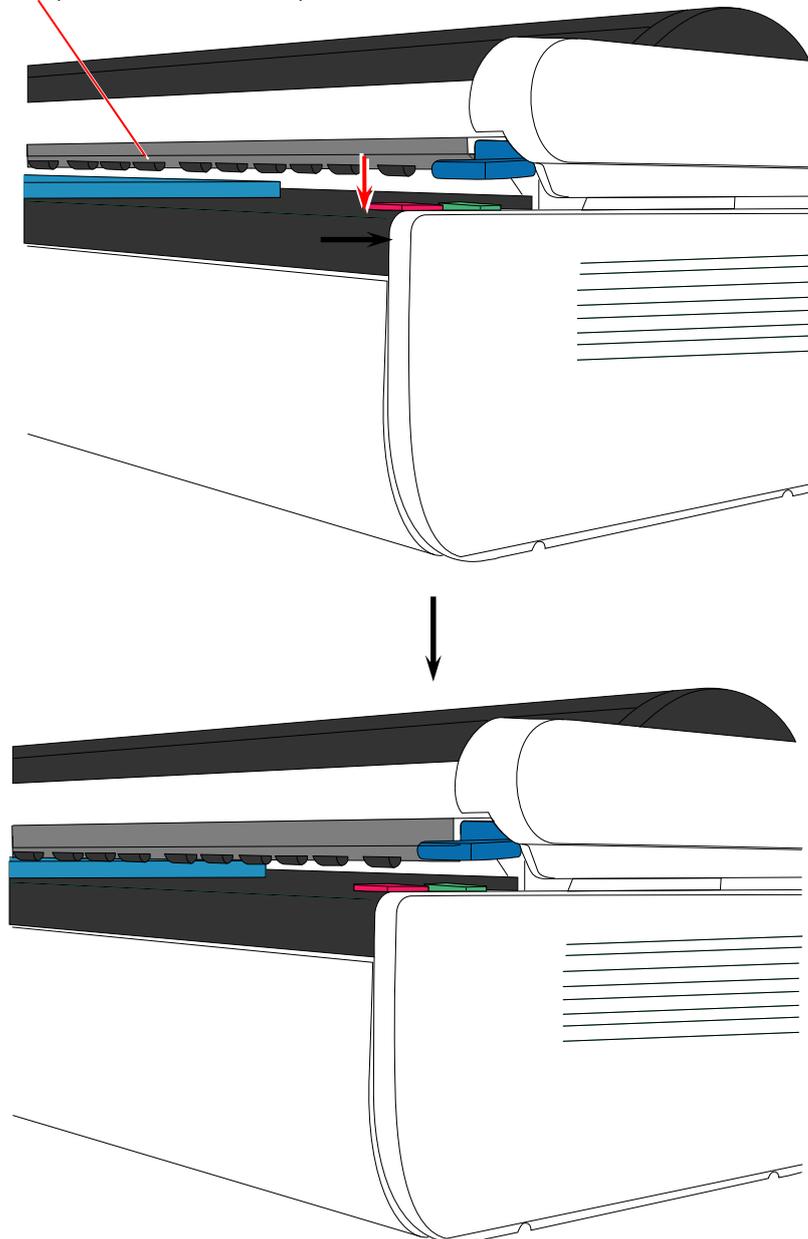
⚠ CAUTION

Do not put the hand under the Document Press Unit when it is moving down as the hand will be caught.

- Even if the hand is caught by the Document Press Unit accidentally, the scanner automatically detects it and moves up the Document Press Unit within a few seconds for relieving the hand.
- Or the operator can relieve his hand by opening the scanner upper unit with pulling either one of blue levers.

Scanner upper unit

Blue levers
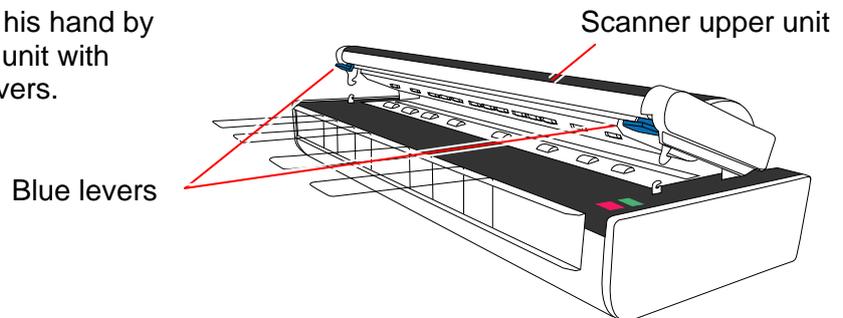
9. The scanner automatically detects the width of original then moves the original to the front side for placing it at the start position.

10. KIP2300 starts scanning automatically or manually according to the operation on the controller software.
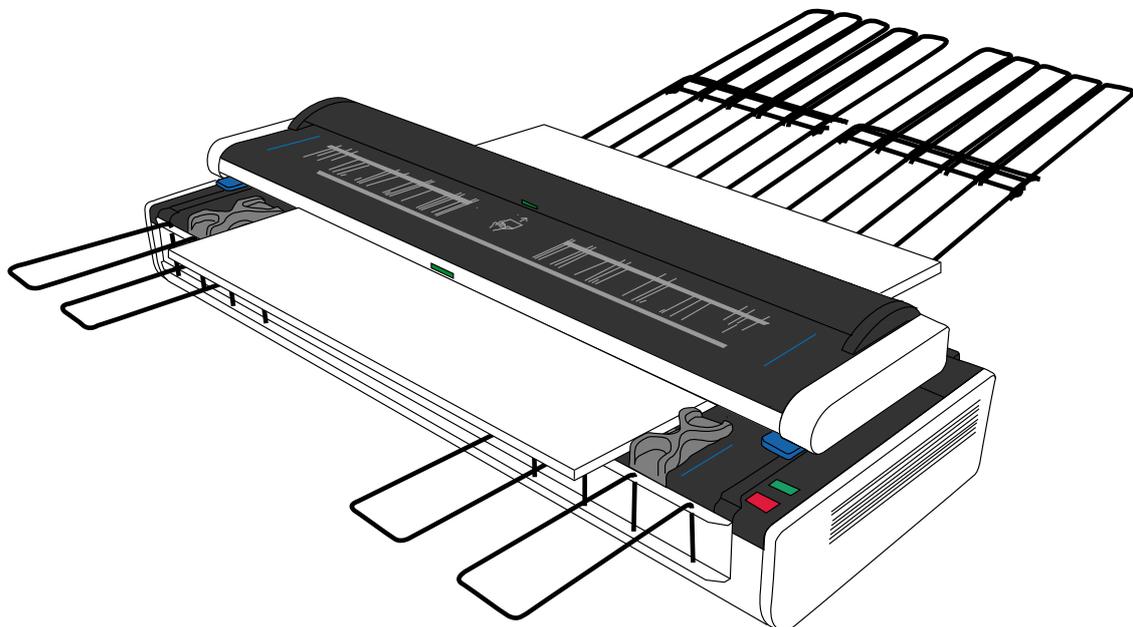
11. The original is ejected to the rear side and stacked on the Rear Steel Tray.
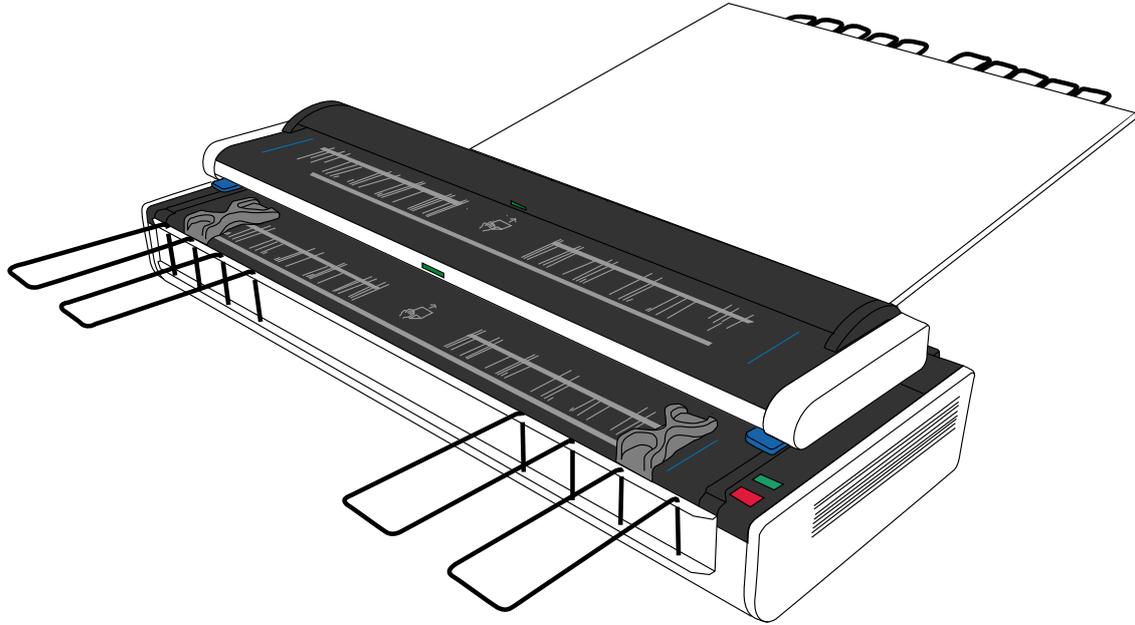
2. 3   Cancellation of Current Scan

2. 3. 1   Sheet Type Original

1. One press of the Stop Button during scanning will cancel current scan, and the KIP2300 stops original feeding.
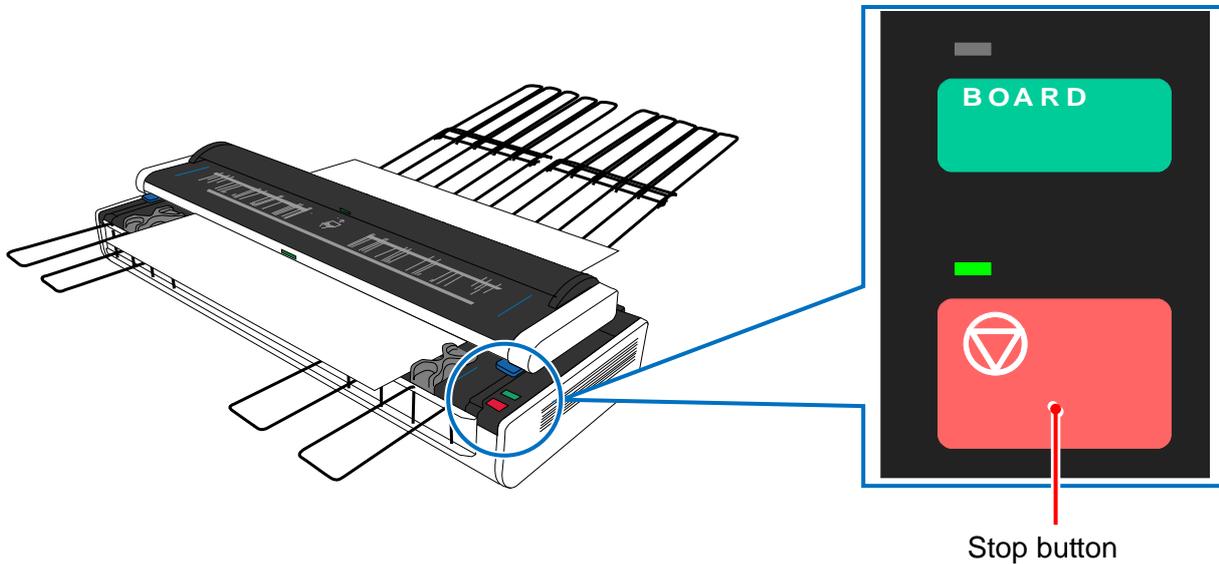
BOARD

Stop button

2. One more press of the Stop Button will eject the original to either front or rear accordingly to the location of original.

2. 3. 2   Board Type Original

1. Press the Stop Button to stop transportation of the original.
   (The original remains in the scanner)

BOARD

Stop button
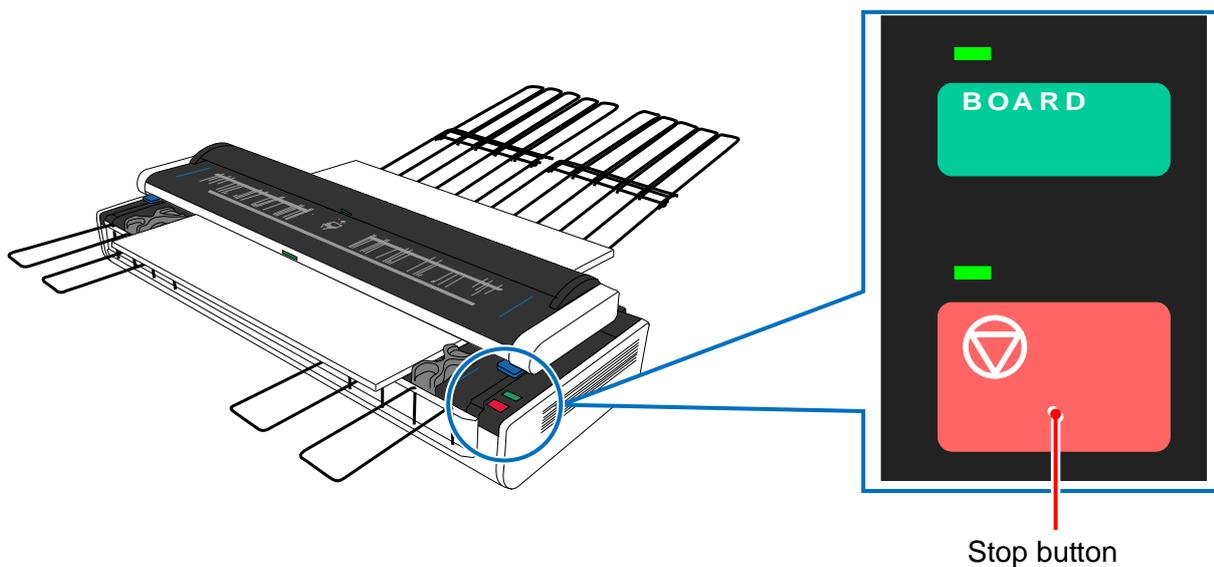
2. Press the BOARD Button to disable Board Original Feeding Mode. The BOARD Lamp turns off.

3. Gently pull and remove the original either forward or backward from the scanner.
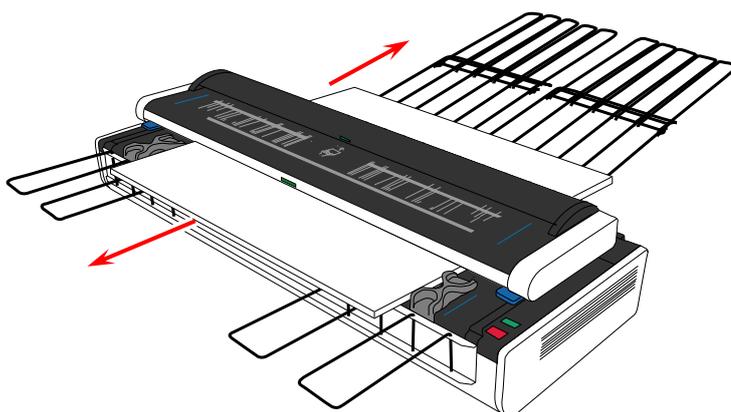
> ## ⚠ NOTE
>
> **<u>NEVER</u>** open the scanner upper unit as the following example. Doing so may damage the original. Please eject it by pressing the Stop button as instructed in the above.
>
> Scanner upper unit
>
>
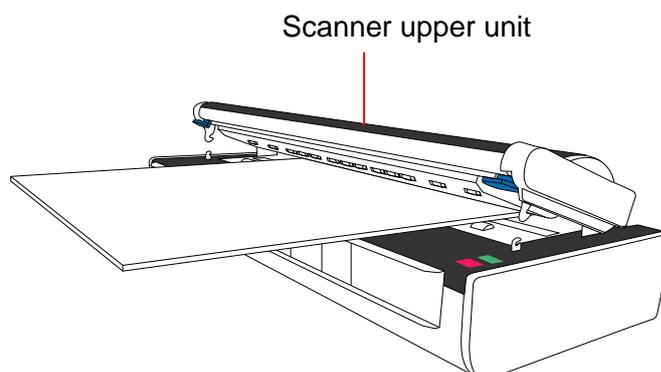
2. 4   Turning OFF the KIP 2300

Turn off the KIP2300 scanner pressing the bar (|) side of Power Switch on the left.

Press this side for turning off.
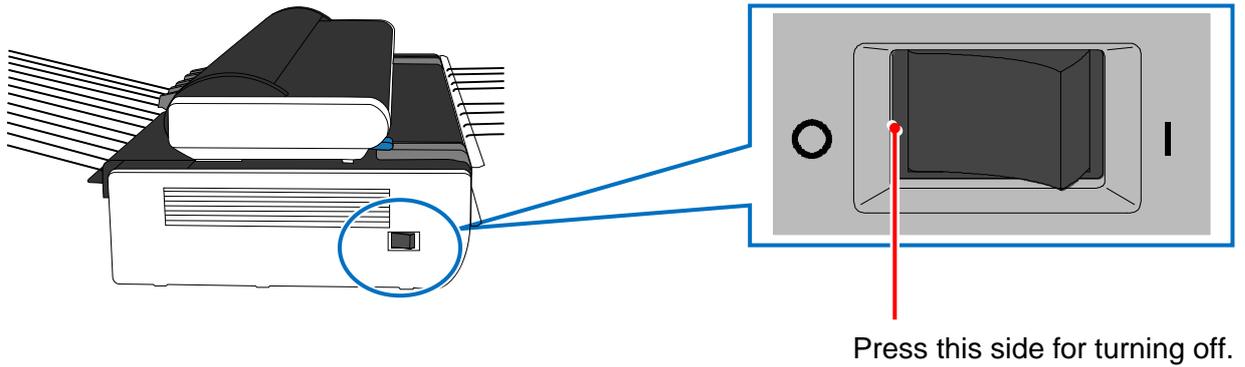
2. 5　Auto Power OFF

KIP 2300 has Auto Power OFF feature for energy saving purpose, which automatically switches off the scanner when 15 minutes of inactive period has passed.

Please turn on the scanner again with the Power Switch for using the scanner again.
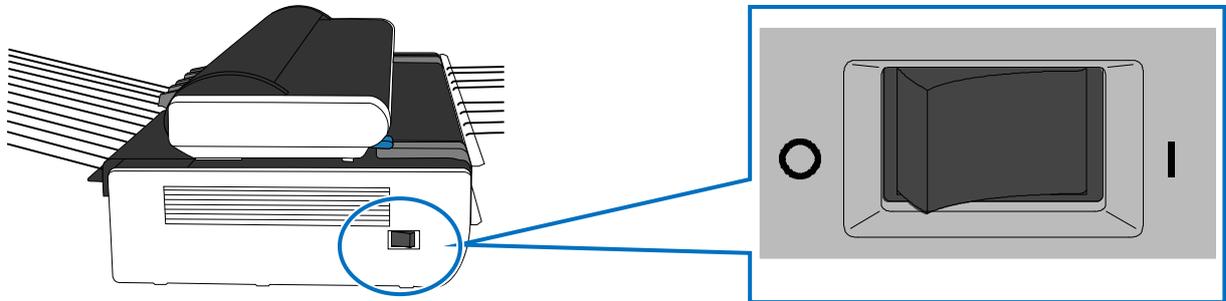
Power switch

2. 6   Removal of Support Device

2. 6. 1   Front Steel Trays

The Front Steel Tray can be removed when unnecessary or for saving the space. Please do as instructed in below.

Front Steel Tray
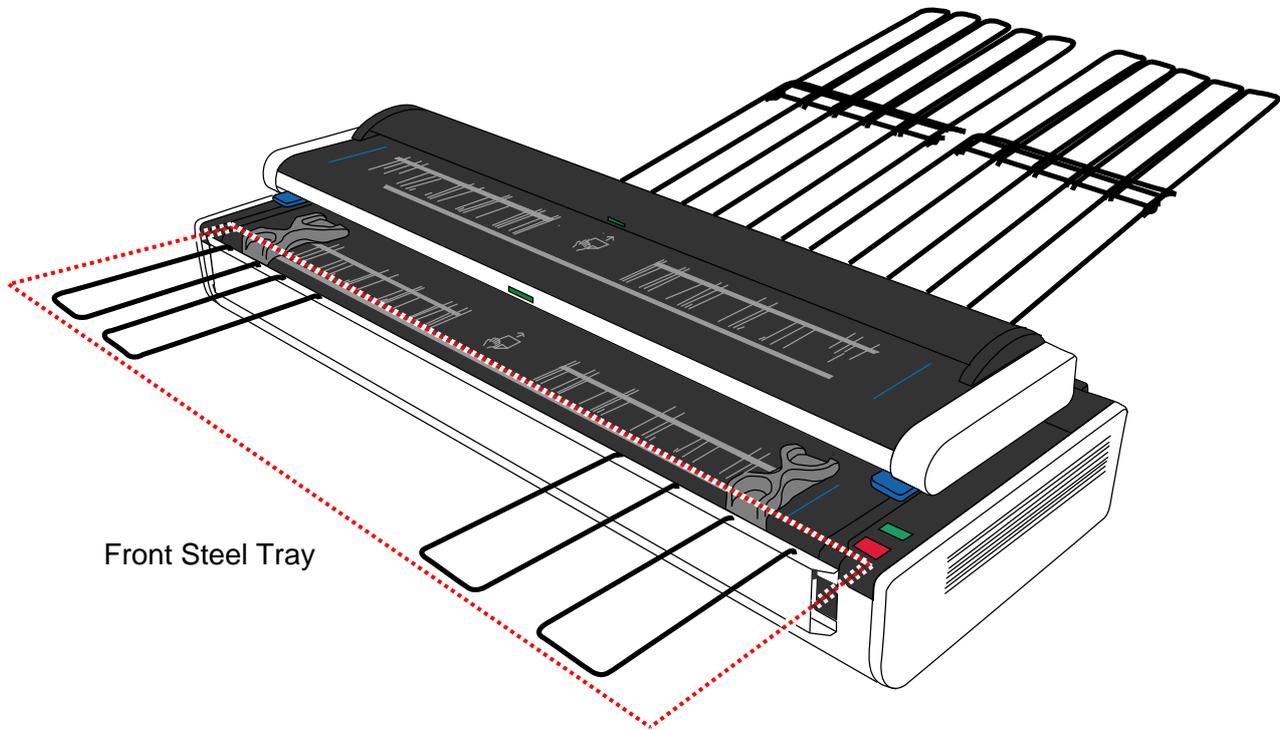
1. Remove 4 Front Trays (1).

1
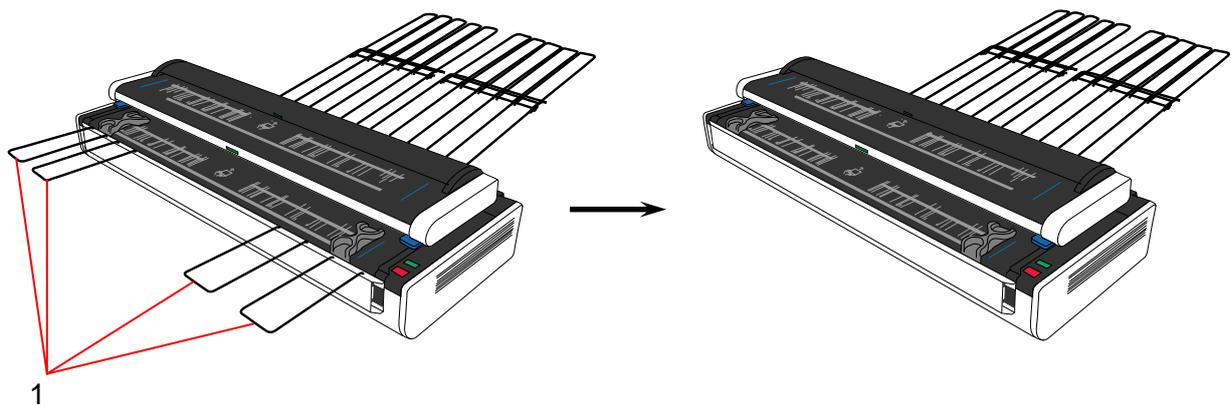
2. Remove the Front Tray BKT 3 (2) by twisting as arrow (A) then moving up as arrow (B).
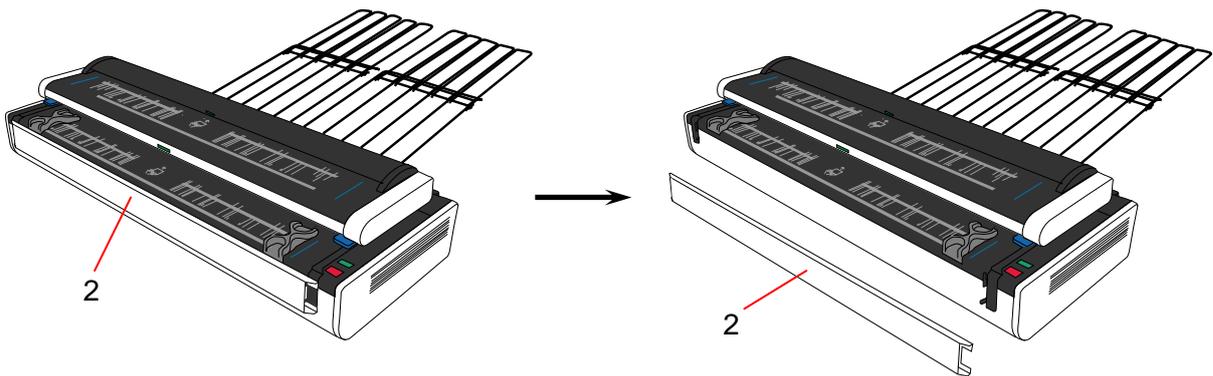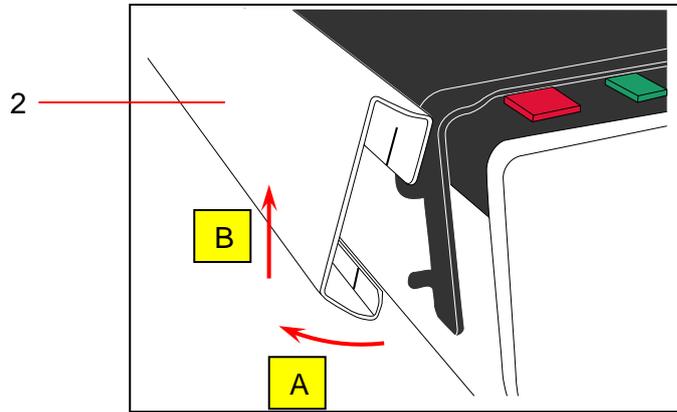
3. Pull up both blue levers (3) to open the scanner upper unit.
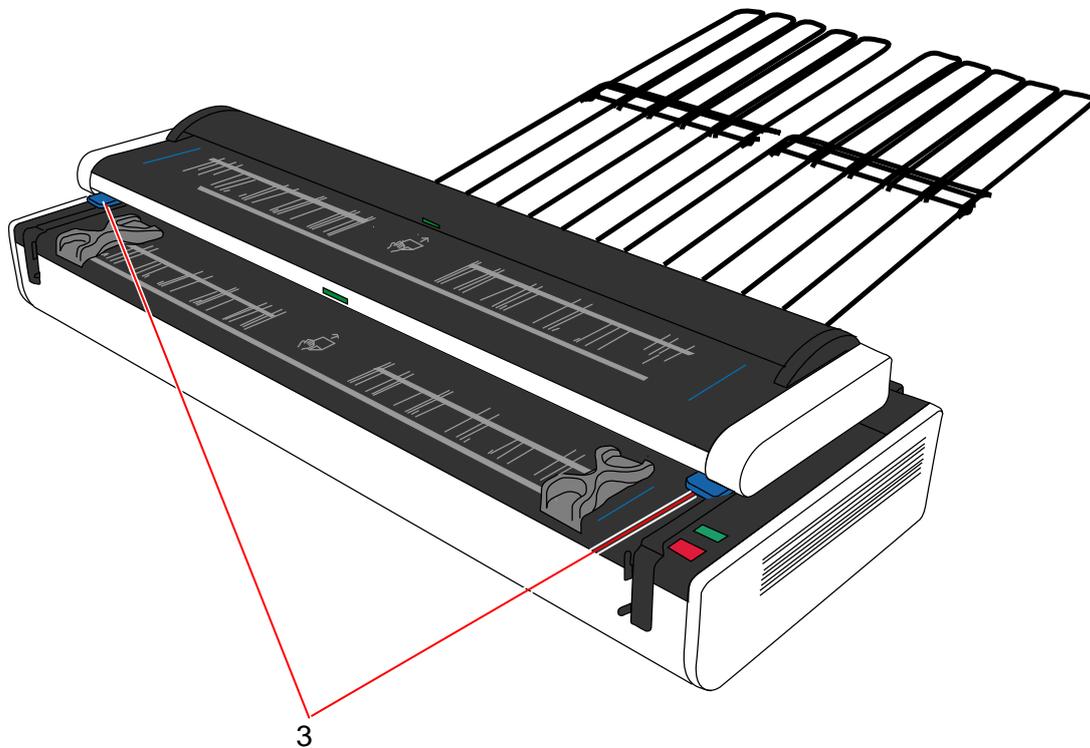
4. Remove the Front Tray BKT 2 (4) on the right.

4
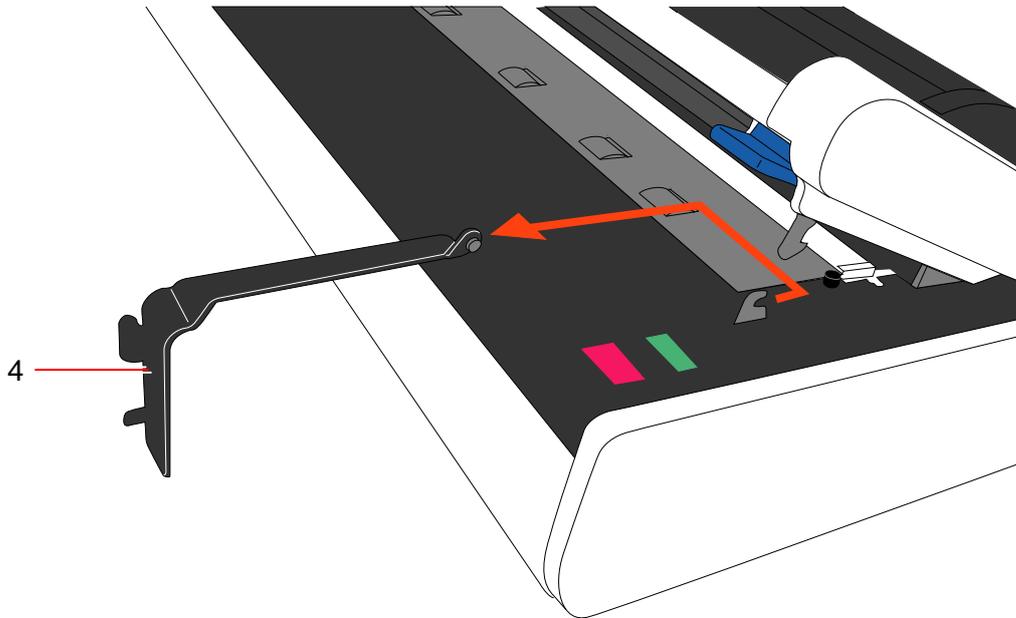
5. Remove the Front Tray BKT 1 (5) on the left.

5
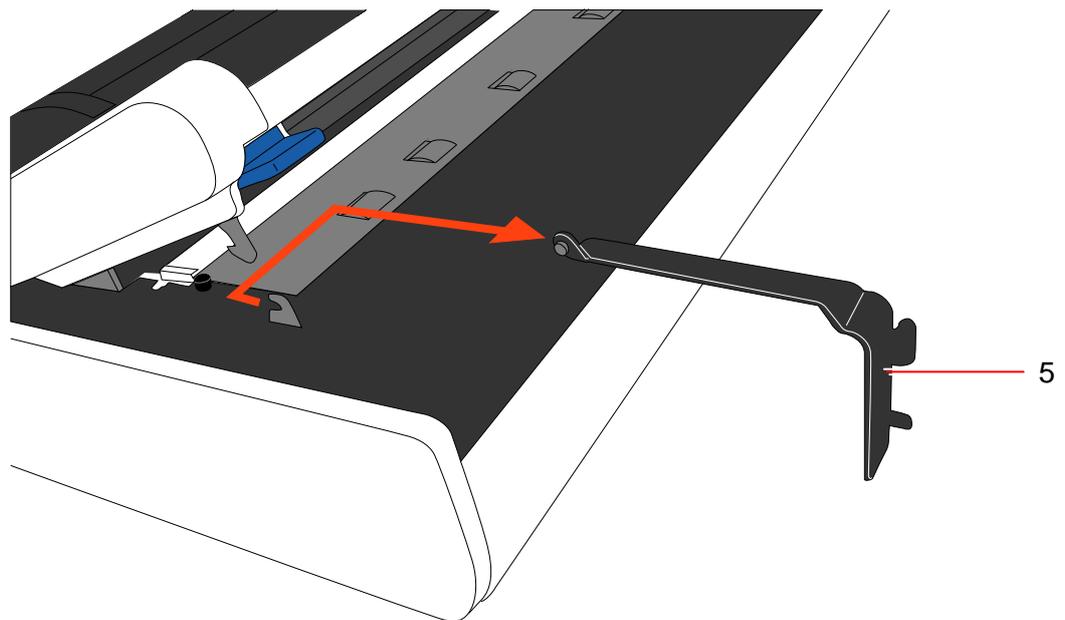
6. Close the scanner upper unit finally.

2. 6. 2 Rear Steel Trays

The Rear Steel Tray can be removed when unnecessary or for saving the space. Please do as instructed in below.
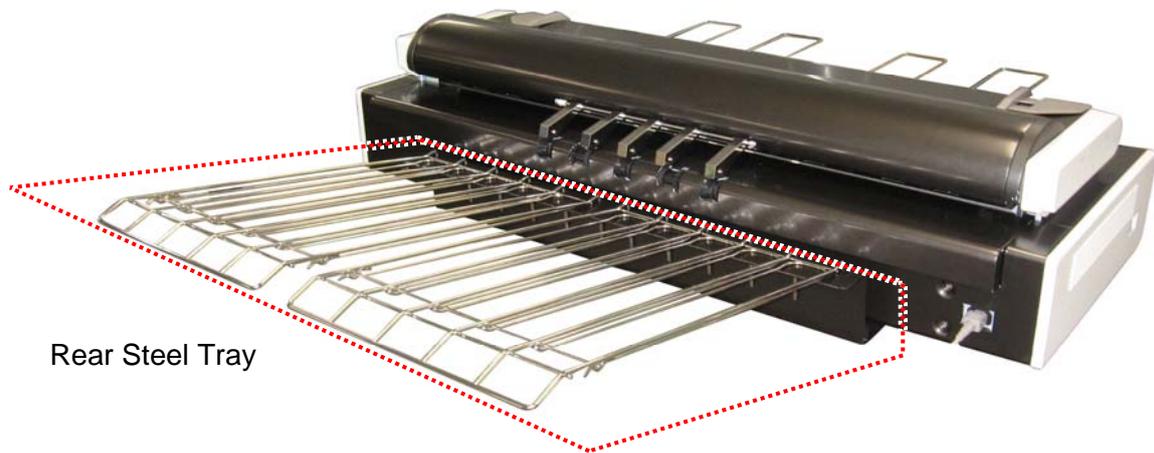
Rear Steel Tray

1. Move up and remove the Rear Steel Trays (1).

1
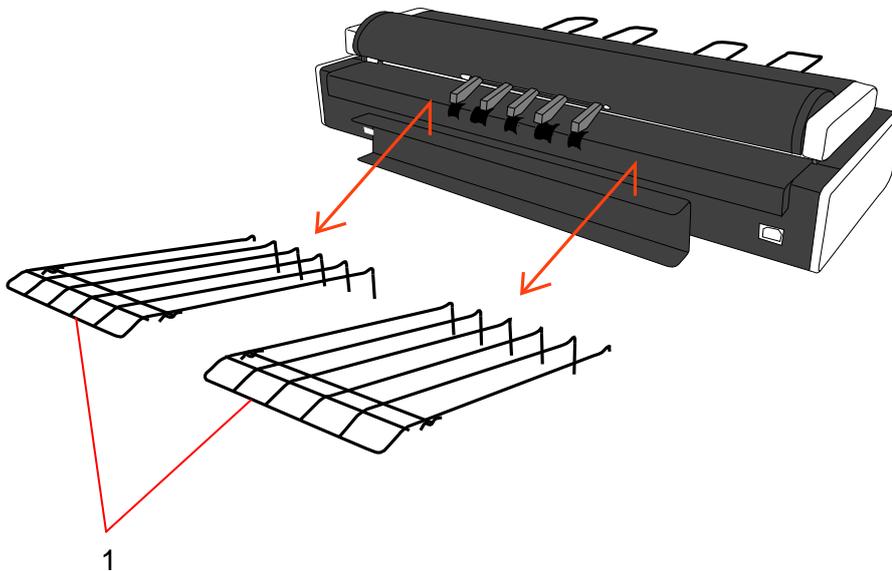
2. 6. 3　Rear Counter Rollers

> ⚠ **NOTE**
>
> The Rear Counter Rollers can be used for multiple sheets of originals to be scanned and stacked on the Rear Steel Tray
>
> **DO NOT** use the Rear Counter Rollers if you use "reverse the original (toward front)" function on the controller software. The Rear Counter Rollers may damage the original at the time of reverse.

1. Slide the Rear Counter Rollers to the arrow direction (A).
   Remove the Rear Counter Rollers to the arrow direction (B).
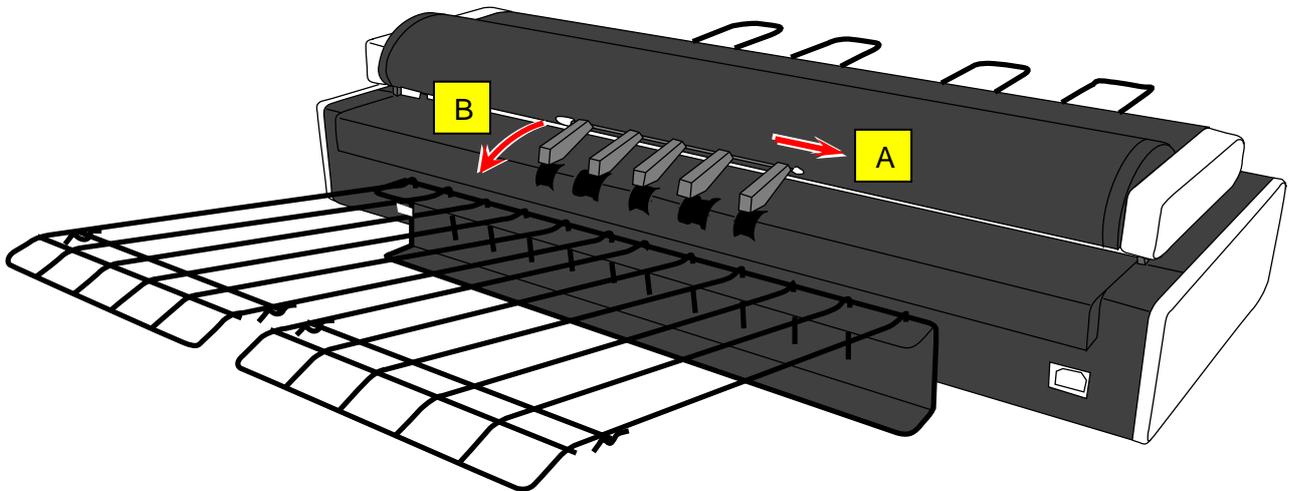
Chapter 3

Troubleshooting

3. 1   Original Misfeed

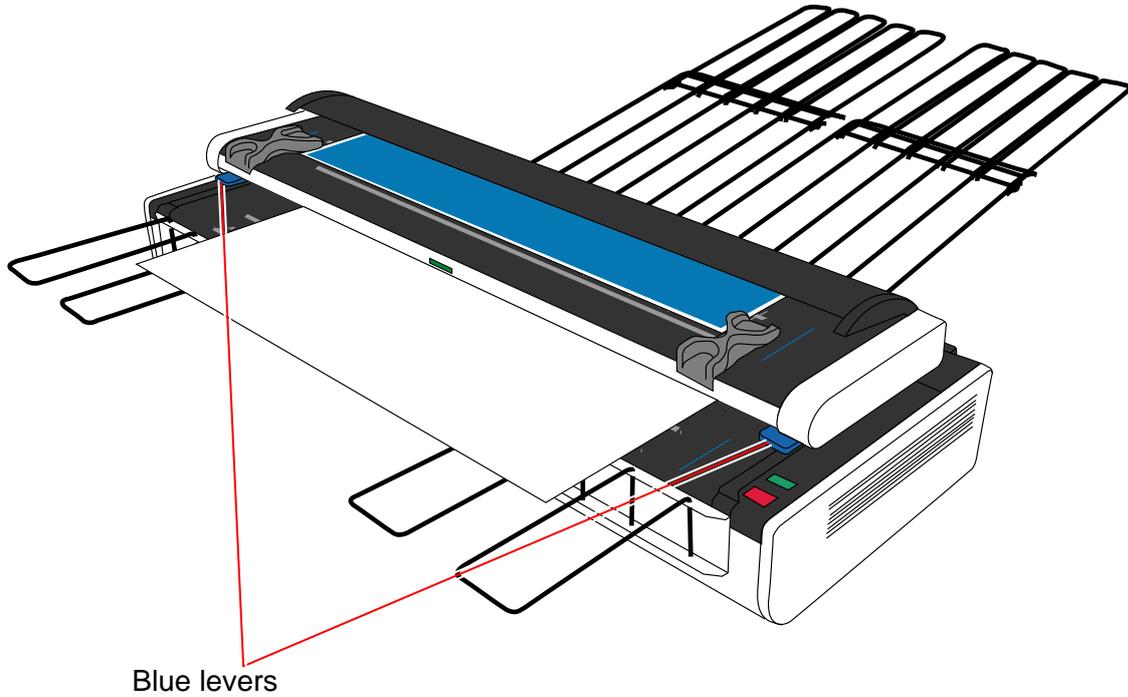When the original is mis-fed during scanning, remove it manually as instructed in below.

3. 1. 1   Upper Original Feeder

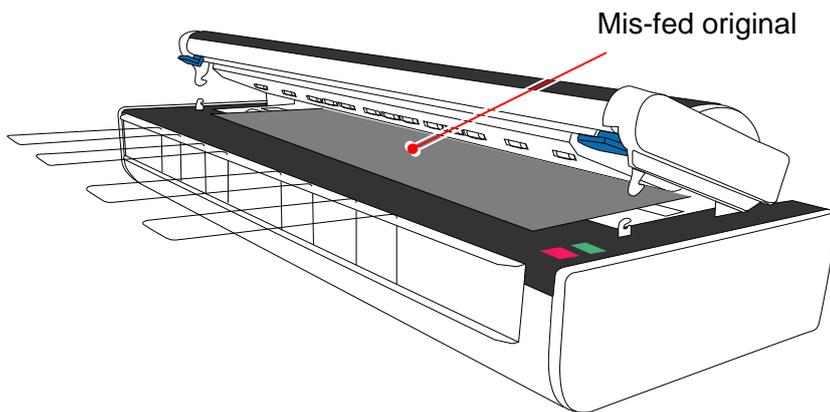1. Open the document upper cover with holding both sides.

Document upper cover
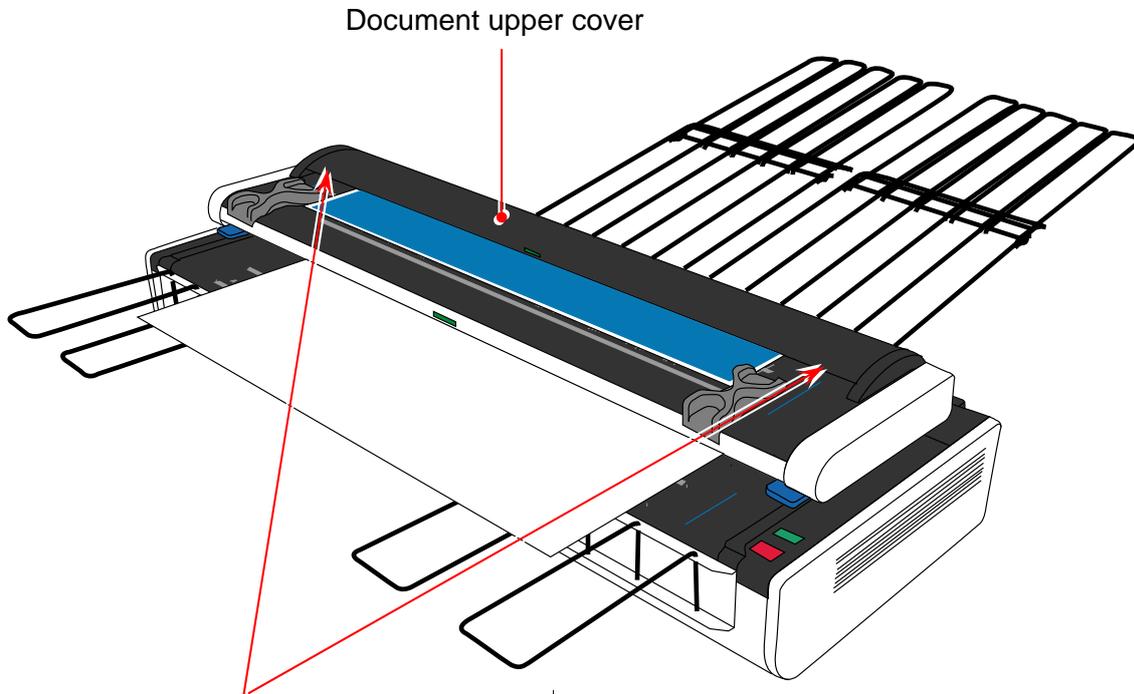
Hold here when opening the document upper cover.

2. Pull up both blue levers to open the scanner upper unit.

Blue levers
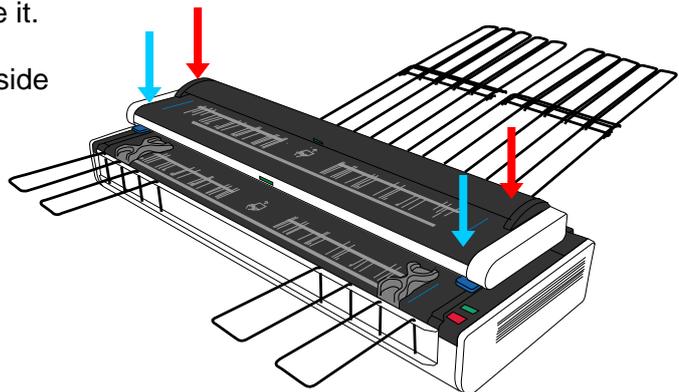
3. Remove the mis-fed original.

Mis-fed original

⚠ CAUTION

Take cere not to catch your hand when closing the document upper cover or scanner upper unit.
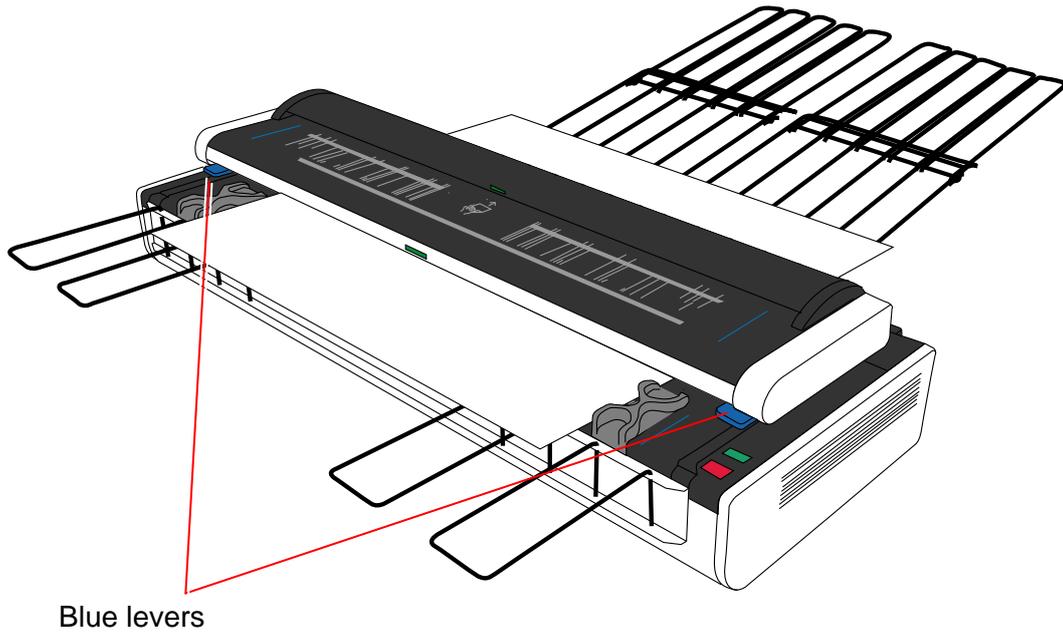
⚠ NOTE

Press down the document upper cover / scanner upper unit on both sides to close it.
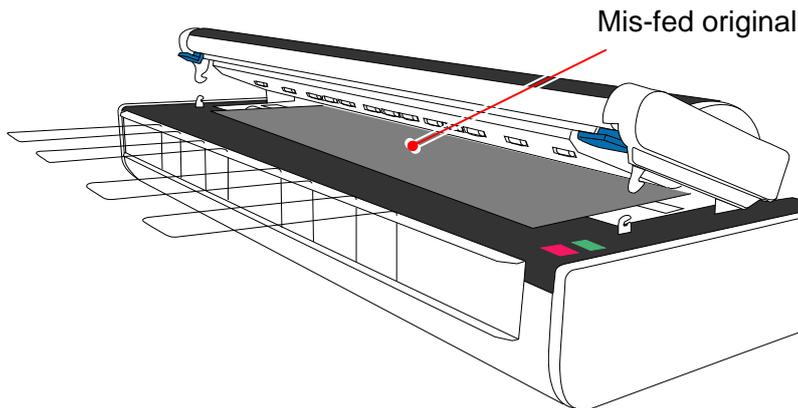
Do not close them by pressing only one side down.

3. 1. 2 Lower Original Feeder (sheet type original)

1. Open the scanner upper unit by pulling up the blue levers on both sides.

Blue levers

2. Remove the mis-fed original.
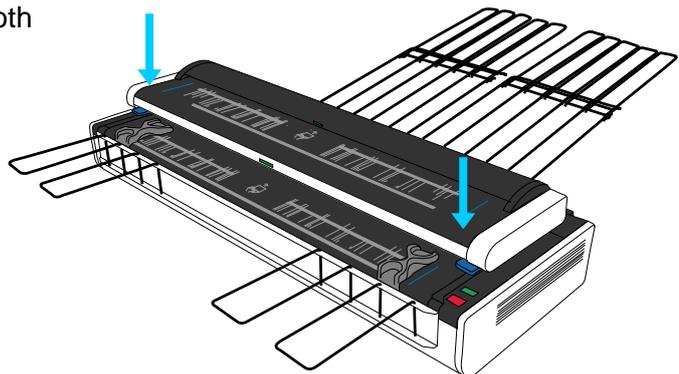
Mis-fed original

⚠ CAUTION

Take cere not to catch your hand when closing the document upper cover or scanner upper unit.

⚠ NOTE

Press down the scanner upper unit on both sides to close it.
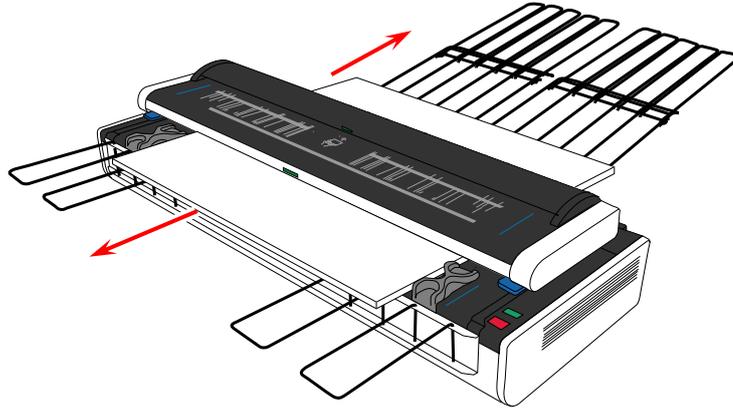
Do not close it by pressing only one side down.


3. 1. 3 Board type original

> ## ⚠ NOTE
>
> If the original stops in the scanner with Power Lamp green, first press the Stop Button.
> For the later procedure, refer to [2.3.2 Board Type Original].

1. Gently pull and remove the original either forward or backward from the scanner.

> ## ⚠ NOTE
>
> **NEVER** open the scanner upper unit as the following example. Doing so may damage the
> original. Please eject it by pressing the Stop button as instructed in the above.
>
> Scanner upper unit
>
>
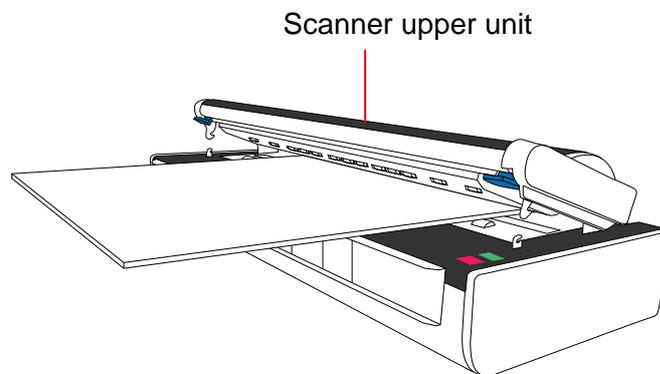
3. 2   Error

The Power Lamp lights in red when the scanner has any error. See the description of error indicated on the controller monitor, and correct the error appropriately.

Power Lamp
(lights in red when any error occurs.)
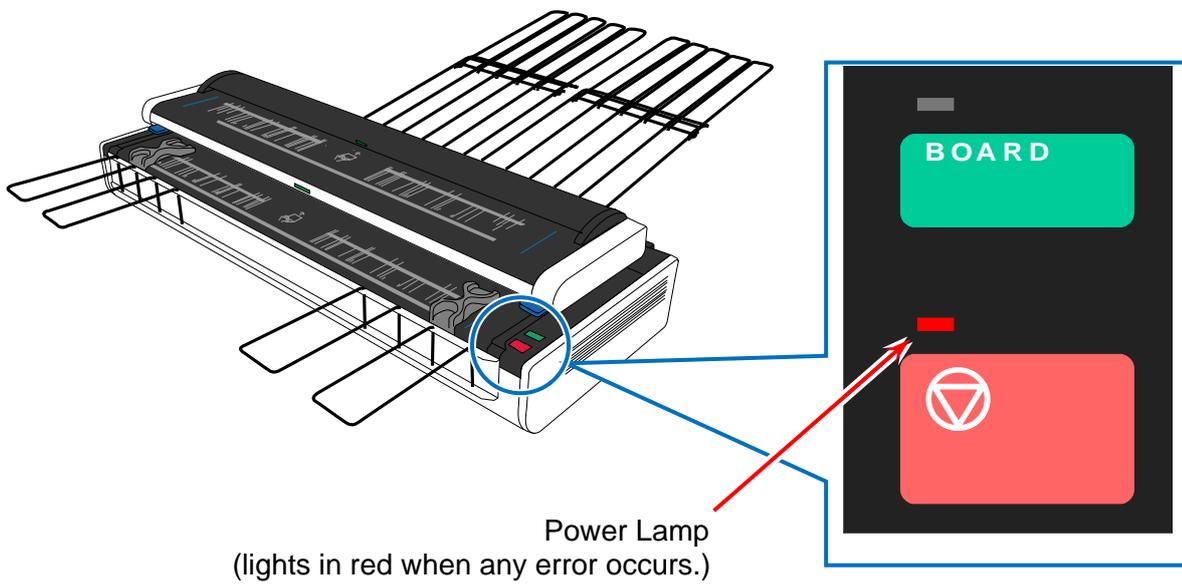
Chapter 4

Maintenance

4. 1   Cleaning

It is recommended to clean Original Glass, Platen and Feeding Rollers once a week or as needed. Dirt of these parts may result in the image problem or getting dirt on the scan original.

4. 1. 1   Document Glass

Open the scanner upper unit. Wipe the Document Glass with a soft cloth with a little water (or with neutral detergent) first, and wipe it with a dry soft cloth.


Document Glass

⚠ CAUTION

The Document Glass can be removed if the thumb screws on both sides (and the brackets) are removed. But do not touch this screw as only the service technician is allowed for removing the Document Glass. If the Document Glass is removed, some foreign substance may drop into the machine, and may cause several troubles as short-circuit.

Do not touch this screw!
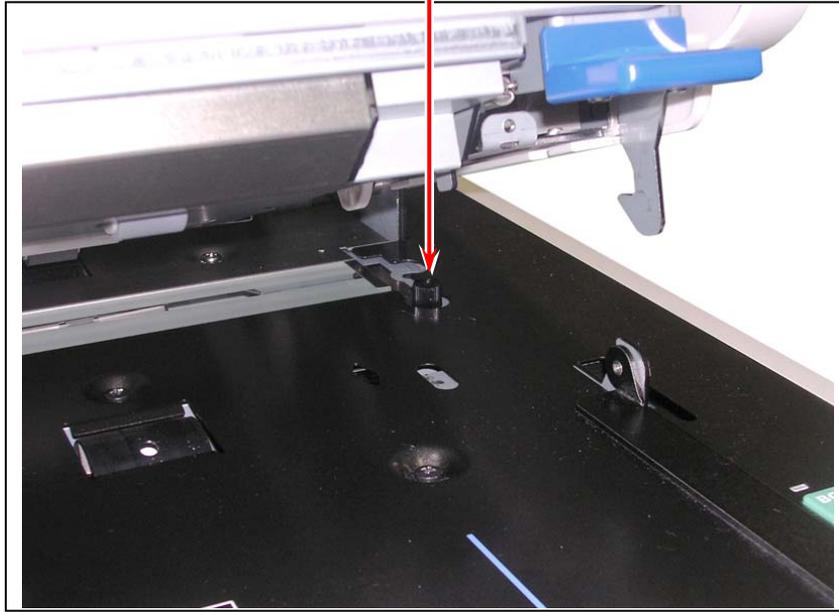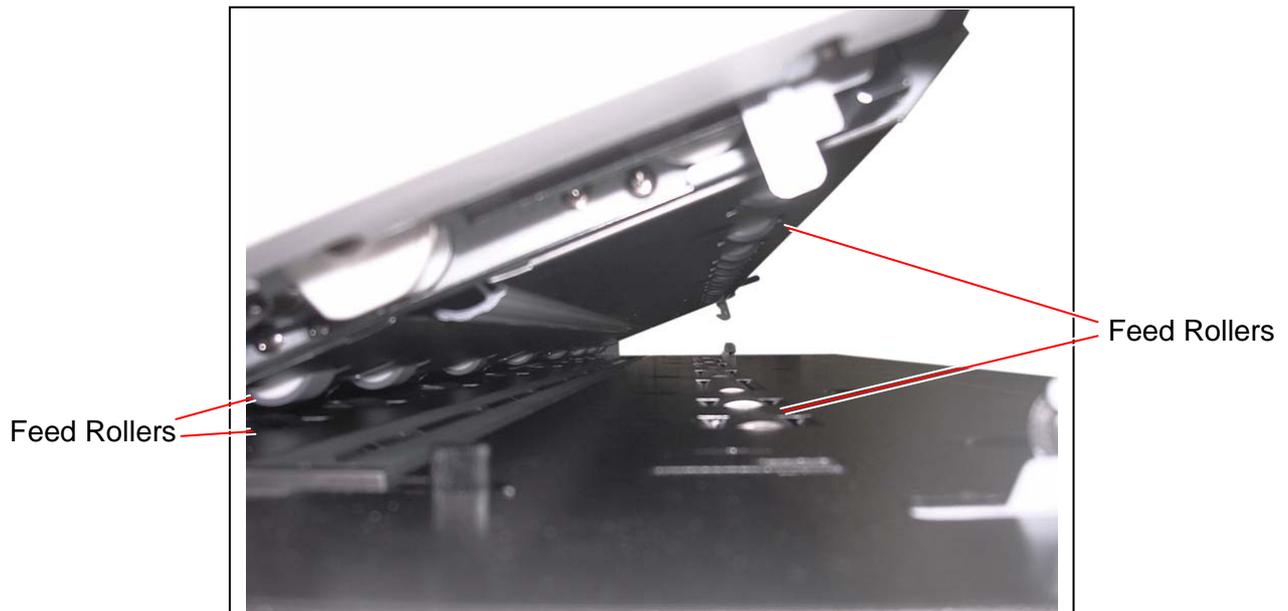
4. 1. 2   Platen

Wipe the entire white part of the Platen with a soft cloth with a little water (or with neutral detergent) first, and wipe it with a dry soft cloth.
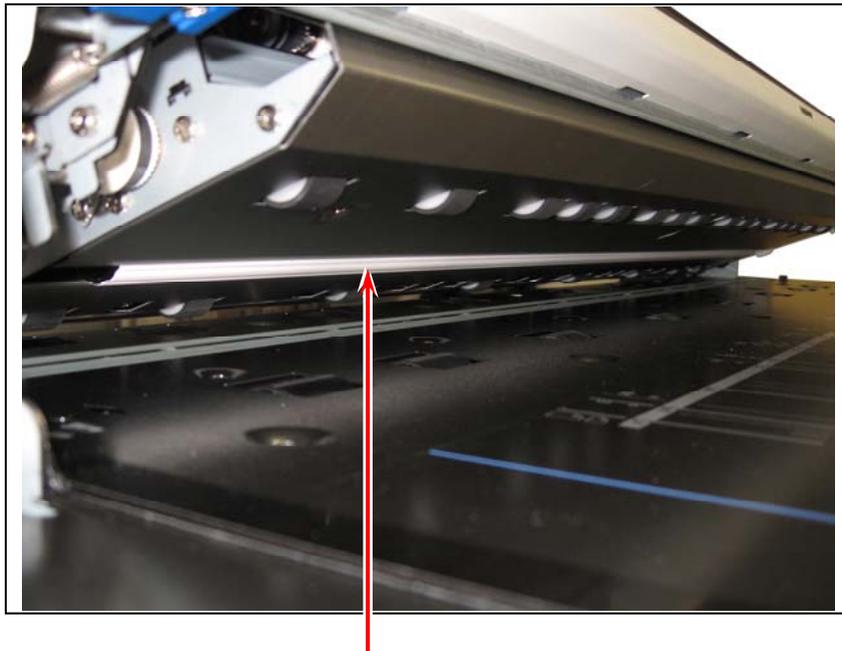
Platen : Clean the entire white part.

4. 1. 3   Feed Rollers

Wipe the Feed Rollers with a soft cloth with a little water (or with neutral detergent) first, and wipe it with a dry soft cloth.

Feed Rollers

Feed Rollers

Feed Rollers

Feed Rollers