



KIP 9900 User Guide

Thank you for purchasing the KIP 9900.

This USER'S MANUAL contains functional and operational explanations for the KIP 9900. Please read this USER'S MANUAL carefully before using the Printer. Please keep this USER'S MANUAL for future reference.

When this machine is installed in USA

FCC ID: VP8-K115

This equipment satisfies the requirements in Part 15 of FCC Rules for a Classic A computing device.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

In order to comply with FCC radio-frequency radiation exposure guidelines for an uncontrolled exposure, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC 15.105(a)

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

When this machine is installed in Canada

IC Company No. & UPN No.: 7391A-K115

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

When this machine is installed in Europe

This equipment satisfies the requirements in Pub.22 of CISPR Rules for a Classic 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 this machine around electronic equipment or precision instruments. Other devices may be effected by electrical noise during operation.

If Machine is installed near other electronic equipment, such as a TV or a radio, interference to said equipment, such as noise or flickering, may occur. Use a separate power line and install the PRINTER as far as possible from said equipment.

The symbol shown indicates that this product conforms to Directive 2002/96/EC of the European Parliament and the council of 27 January 2003 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 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.





A NOTE

KIP 9900 will not function if no optional device is connected. Please ask the Service Personnel for the optional device.

Safety Warning

The following warnings are very important in order to safely use this product.

These notes are very important in preventing danger to the operator or operation of the printer.

The following symbols are found throughout the USER'S Manual and have the following meaning:



WARNING

This WARNING mark means that there is a possibility of death or serious injury if you ignore or do not follow the said instruction.



CAUTION

This CAUTION mark means that there is a possibility of injury or physical damage if you ignore or do not follow the said instruction.



When marked with this symbol, "DO NOT ATTEMPT"



When marked with this symbol, "pay close attention to"



WARNING



Ground the product with a correct ground source or you may be electrically shocked.



- 1. Connected outlet must satisfy the following condition.
 U.S.A. / Europe : 220 240V (+6% / -10%), more than 16A, 50/60Hz
- 2. Use a circuit with an exclusive breaker.
- 3. Install the machine as close to the wall outlet as possible.
- 4. If you wish to move the printer, please contact to your service personnel.



- Do not remove the screw and do not open the cover if not instructed to do so in this User's Manual. If you ignore this warning, you may be burnt or receive an electric shock due to a hot item or electrically charged part inside of the printer.
- 2. Do not disassemble or tamper with the printer. It may result in a fire or electrical shock.



- 1. Do not plug in the printer into a multi-wire connector in which some other equipment is plugged into. It may cause a fire due to outlet overheating.
- 2. Do not damage the Power Cord by stepping on or placing something heavy items on it. If the Power Cord is damaged, it may cause a fire or you may receive an electric shock. REPLACE THE CORD IF DAMAGED.



- 1. Do not PUT a flower vase, a flowerpot or any water-filled item on the product. Spilt water could cause a fire or an electric shock.
- 2. If the product generates an abnormal smell or noise, turn it off and unplug it from the wall outlet immediately.



Do not throw the toner into a fire or other sources of heat, as it can explode.



CAUTION



Do not install the machine in a humidified room or a dusty room. Also, do not install the machine on an unstable floor as injuries may occur.



- 1. Unplug the printer before you move it. The power cord may be damaged and it may result in a fire or electric shock.
- 2. If you do not use the printer for a long duration (holidays, company shutdown) turn off and unplug the printer from the outlet for safety.



Do not pull the cord when you unplug the printer as you may damage the Power Cord. Make sure to unplug the plug from the plug case.



There are hot items inside of the machine. Take great care not to touch these items when you remove mis-fed media.



Ventilate the room well if you print in a small area.

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 the following:



WARNING

Select 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	Usually found in
	IEC60320:C19	20A 250V (UL) 16A 250V (IEC)	

Plug Type: Model Rating 220-240V

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Configuration	Standard	Rating	Usually found in
	NEMA6-20	20A 250V	North America (UL Listed)
	CEE7/7	16A 250V	European countries

Cord Type

5. a . , p 5		
Standard	Rating	Usually found in
SJT 3X12AWG Long <4.5m	20A 250V	North America (UL Listed)
HO5VV-F 3X1.5mm ²	16A 250V	European countries Argentina

Chapter 1 Before Use

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1. 1 Installation Requirements

The following conditions are required for installation of the equipment.

- (1) Power source should be as follows (according to your region).

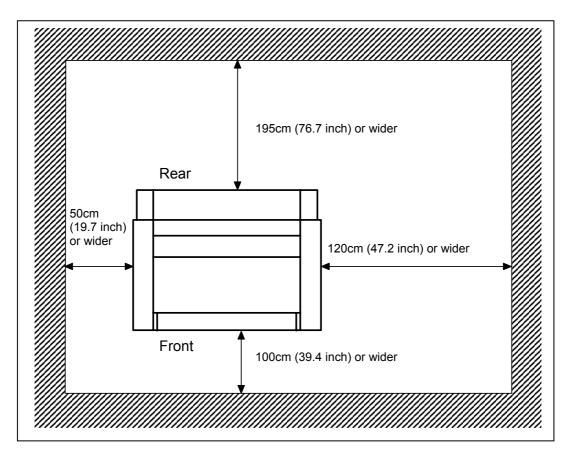
 U.S.A. / Europe —— 220 240V (+6% / -10%), 16A, 50/60Hz

 For use in Europe: Plug of power cord must meet the standard of each country.

 For PERMANENT CONNECTION, a readily accessible disconnect device shall be incorporated in the building installation wiring.
- (2) The equipment must be on an exclusive circuit.

 The outlet must be near the equipment and easy accessible.
- (3) Make sure to connect this equipment to a grounded outlet.
- (4) The site temperature range = 10 32.5 degrees centigrade, with the humidity between 20% 80% RH (NON CONDENSING).

 Keep the equipment away from water sources, boilers, humidifiers or refrigerators.
- (5) The installation site must not have open flames, dust or ammonia gases.
- (6) The equipment should not be exposed to the direct sunlight. Please draw curtains to block any sunlight.
- (7) Ozone will be generated while this equipment is in use, although the quantity generated is within safe levels. (see certifications) Ventilate the room, if required.
- (8) Levelling Bolts on the bottom of the KIP 9900 should touch the floor correctly. And the equipment must be levelled. Floor strength must be ample to sustain the weight of the equipment.
- (9) Keep ample room around the equipment to ensure comfortable operation. Required space is noted.



1. 2 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.

1.3 Features

(1) New Contact Development Technology with non-magnetic mono-component toner

Benefits you will obtain are:

Superior image quality High definition line, distinctive greyscale and consistent solid

black can be produced.

100% toner efficiency No toner is wasted. Neit

No toner is wasted. Neither cleaning mechanism nor waste toner receptacle is needed. It is environmentally friendly and

also can reduce the running cost.

(2) Superior printing productivity

KIP 9900's fast print speed (240mm/sec) enables to process large volume of prints/copies (11sheets of A0 or E per minute).

(3) Long parts life and low frequency of service maintenance

Service parts are durable for very long use and self-cleaning functions of KIP 9900 enables the operator to enjoy quality images for a long term without maintenance.

(4) Pre-calibrated LED Head

All LED pixels are individually calibrated for the best image quality.

(5) Image Enhancement Technology

Dependent on the image, the best level of Image Enhancement is automatically calculated.

(6) Installation of roll media and Toner Cartridge while printing

It is possible to install new roll media or add more toner without interrupting printing operation.

(7) Long print

The maximum print length guaranteed is 6 meters (with plain paper). The maximum possible length is 24 meters. (Quality of print is not guaranteed.)

1. 4 Specifications

Subject	Specification
Model	KIP 9900
Туре	Console
Printing method	LED Array Electro Photography
Photoconductor	Organic Photoconductive Drum
Print speed	240mm / second (11 A0 prints / minute)
Exposure method	LED Print Head
Resolution	600 x 1800dpi
Print width	Maximum : 914mm (36 inches)
Time wider	Minimum : 297mm (11 inches)
Print length	Maximum : Plain paper 6000mm for A0/36" wide
	or "5 x standard length"
	Tracing paper—— A0 / 36 inch
	Film ————————————————————————————————————
	Minimum : 210mm
	NOTE : Longer print than the above specified maximum lengths
	is available. However, KIP does not guarantee any result
	including image quality and media feeding if the print is
	longer than the above specified lengths.
Warm up time	Shorter than 6 minutes
'	(At 23 degrees centigrade, 60% RH and 230V)
First print time	Shorter than 18 seconds (A0)
Fusing method	Heat roller fusing
Development	Contact type mono component non-magnetic development system
·	(Initial toner is unnecessary. One toner cartridge contains 500g.)
Charging method	Corona
Media feeding method	Automatic (4 Roll Decks) and manual (50 cut sheets capacity)
•	NOTE: Multiple cut sheet feeding (50 sheets max) is available
	when the size is narrower than A2 (594mm) or 24".
Transfer method	Corona
Separation method	Corona and LED
Input power	220 - 240V (+6% / -10%), 16A and 50/60Hz in U.S.A. and Europe
Interface	KIP Interface 8 (LVDS)
Maximum power	When 230V, 50/60Hz and Dehumidify Heater is ON
consumption	Stand by 0.9 Kwh
	Printing 3.0 Kwh
	Warm up 3.5 Kwh
Acoustic noise	Less than 70db (Printing)
	NOTE: Impact noise such as cutting sound is excluded.
	Less than 60db (Stand by)
Ozone	Less than 0.05ppm (Average of 8 hours)
Dimensions	1360mm (Width) x 980mm (Depth) x 1265mm (Height)
Weight	About 400kg
Media	Specified media
	Plain paperSHN
	Tracing paper KMS-75
	Film FA-75
	(Available types)
	Plain paper 70 - 90g/m ²
	Tracing paper 70 - 90g/m ²
	Film ———— 100 micrometer or less in thickness

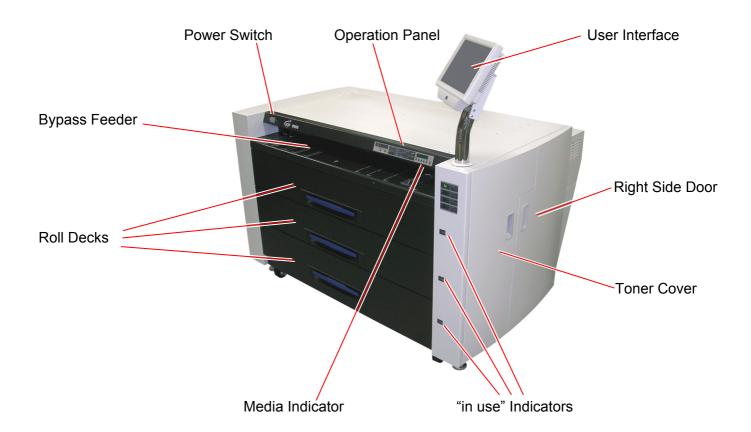
Subject	Specification
Environmental condition	Temperature —— 10 - 32.5 degrees centigrade
	Humidity 20 - 80% RH
Storage condition of	Print media — Wrap the media surely to shut out the humidity.
consumables	Toner Keep the toner cartridge away from the direct
	sunlight, and store it in the condition of 0 - 35 °C
	and 10 - 85% RH.

▲ NOTE

These specifications is subject to change without notice.

1. 5 Appearance

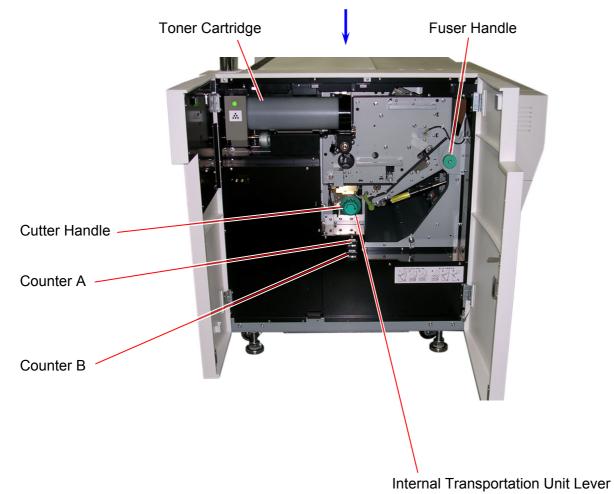
1.5.1 Front view



Name of part	Function
Power Switch	Turns on/off the KIP 9900.
Bypass Feeder	Cut sheet media can be set here and fed into.
	Multiple cut sheet feeding (50 sheets max) is available when the size is narrower than A2 (594mm) or 24".
Operation Panel	Indicates the status of KIP 9900, error, mis-feed location and so on.
Roll Decks	There are 4 Roll Decks (The bottom drawer has two decks).
	Each Roll Deck holds one roll of media.
	Roll Deck 1 : (Top drawer)
	Roll Deck 2 : (Middle drawer)
	Roll Deck 3 : (Front side of bottom drawer)
	Roll Deck 4 : (Rear side of bottom drawer)
Media Indicator	Informs the size and the type of roll media loaded on each Roll Deck.
Toner Cover	Can access to the Toner Supplying Mechanism and replace the Toner Cartridge.
Right Side Door	Can access the internal of KIP 9900 for removing the mis-fed media.
Use Interface	Touch Screen offers many kinds of user operation.
"in use" Indicators	Shows the Roll Deck that must not be opened.

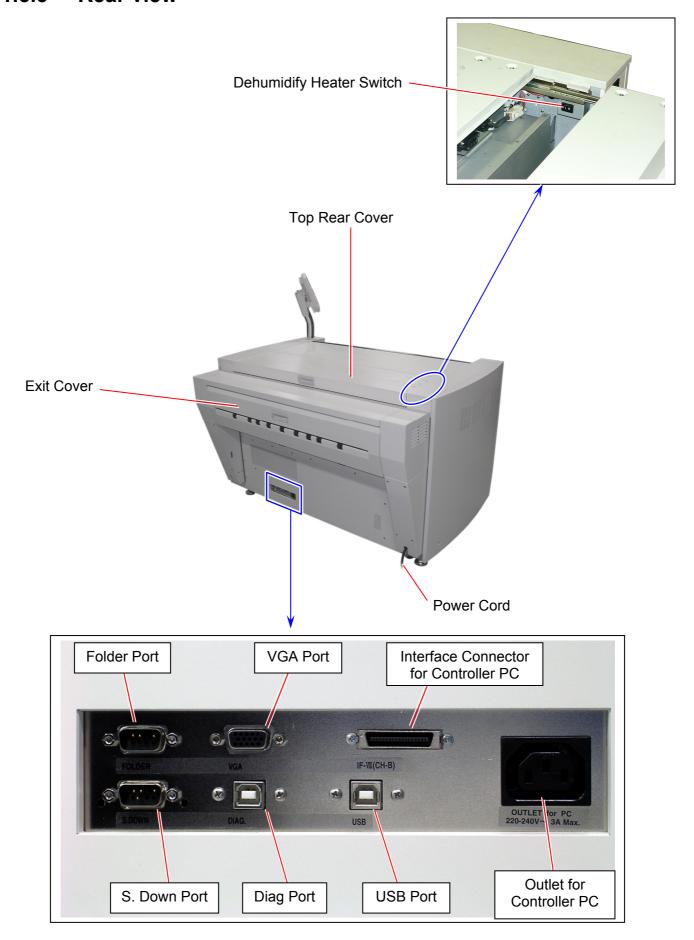
1.5.2 Right side view





Name of part	Function
Cutter Handle	Can cut the roll media manually if it has not been cut yet after it was
	mis-fed.
Counter A	Counts the linear meter / feet of total prints.
Counter B	Counts the square meter / feet of total prints.
Internal Transportation	Can unlock and open the Internal Transportation Unit for removing the
Unit Lever	mis-fed media.
Fuser Handle	Can eject the mis-fed media manually from the Fuser Unit.
Toner Cartridge	Includes 500 grams of toner.

1.5.3 Rear view



Name of part	Function
Exit Cover	Can remove the mis-fed media around Fuser section.
Interface Connector for	Connect the cable here, which comes from a controller PC.
Controller PC (CH-B)	D-Sub Connector 36 pins, 3.3Vdc maximum (large)
	Cable KATSURAGAWA ELECTRIC P/N: Z156400090
Folder Port	Connect this port and a finishing device (Folder, etc) with a cable.
	12Vdc maximum See the document of the folder/controller for
	communication with the folder.
S. DOWN Port	Connect the Shutdown Signal Cable here.
	KIP 9900 will send a shutdown signal to the controller through this
	cable. 12Vdc maximum
D: D (//IOD)	Cable KATSURAGAWA ELECTRIC P/N :Z156400380
Diag Port (USB)	For Service personnel only
VGA Port	Connector Type B, 5Vdc maximum
VGA POIL	Connect the VGA cable here, which comes from a controller VGA port
USB Port	by UL-Listed cable for Touch screen LCD. 5Vdc maximum Connect the USB cable here, which comes from a controller USB Key
USB POIL	Connector Type B for Touch screen LCD. 5Vdc maximum
	Cable KATSURAGAWA ELECTRIC P/N : Z156460020
Top Rear Cover	Can access the Dehumidify Heater Switch.
Outlet for Controller PC	In case you place a controller unit outside of the KIP 9900, it is possible
	to supply AC power from the KIP 9900 to the controller unit if you
	connect the power cord to this outlet. (220 - 240V, 3A maximum)
	I A NOTE I
	Specification for Power Cord used in North America
	Specification for Fower Cord used in North America
	Use the following type of Power Cord for a controller PC.
	1) Rating minimum 250VAC 7A
	2) Plug Type IEC60320: C13
	3) Socket Type IEC60320: C14
	4) Cord H05VV-F 3G-0.75mm, SVT3x18AWG
	5) UL-Listed
Dehumidify Heater	Turn on the Dehumidify Heater pressing "H" side of this switch to
Switch	dehumidify the printing media.
	Press "L" side to turn it off.
<u> </u>	

(continued on the next page)



NOTE

The above specifications are subject to change without notice.

Power Cord

Connect to the wall outlet alone.



WARNING

Plug Specification for Europe / Asia

The power cord plug must meet the followings.

- (1) Select a 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 terminal.
- (2) If the appropriate plug does not fit the wall outlet in the installation place, an appropriate outlet must be prepared.
- (3) The wires in the power cord must be connected to the terminals of the plug in accordance with the following.

Wire Color	Plug Terminal
BROWN / BLACK	Marked with "L" / "A" / "W", or colored RED
LIGHT BLUE / WHITE	Marked with "N", or colored BLACK
GREEN-AND- YELLOW	Marked with "E" / "PE" / "♣"
TELEOVV	or colored GREEN / GREEN-AND-YELLOW

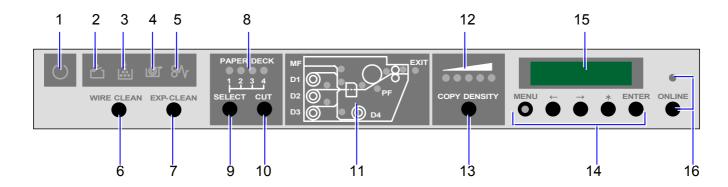


NOTE

The above specifications are subject to change without notice.

1.5.4 Operation Panel

There is an Operation Panel on the upper right of front face. Names and functions of key and indication LED are as follows.

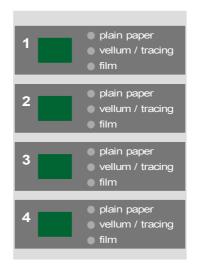


		le «
No.	Name of part	Function
1	Ready Indicator	Flashes green when KIP 9900 is warming up, and lights green when
		it is ready.
2	Open Indicator	Lights orange when any door or unit is open or unlocked.
3	Toner Empty	Flashes red when the toner is near empty.
	Indicator	(Toner Cartridge has no Toner)
		Lights red when the toner is completely empty.
		(Developer Unit has no toner. No more print is available)
4	Roll Empty Indicator	Lights red if the roll media in use is empty.
5	Mis-feed Indicator	Lights red when the print media is mis-fed.
6	WIRE-CLEAN Key	Starts cleaning for the Image Corona Wire.
7	EXP-CLEAN Key	Starts cleaning for the LED Head.
8	Roll Deck Indicator	Shows the present selection of roll to perform initial cut.
9	SELECT Key	Selects a roll to perform initial cut.
10	CUT Key	Performs initial cut for the selected roll.
11	Mis-feed Location	Shows the location of mis-fed media by lighting the concerning LED.
	Indicator	
12	Density Indicator	Shows the present selection of density level.
13	COPY DENSITY	Changes the density level for making the print density darker or
	Key	lighter.
14	MENU Key	[MENU], [\leftarrow], [\rightarrow] and [ENTER] Keys are used in User Modes.
	← Key	(The service personnel may use them also in the field service)
	→ Key	[*] Key is used to stop the alarm sound.
	* Key	
	ENTER Key	
15	Status Display	It indicates kinds of information as error codes or mis-feed codes.
16	ONLINE Key &	The ONLINE Indicator lights green when the KIP 9900 is online, and
	Indicator	it is put out when offline.
		ONLINE Key switches between online and offline, and also cancels
		the User Mode.

1.5.5 Media Indicators

There is a Media Indicator on the right of front face.

It informs you of the size (width) and the material of roll media loaded in each Roll Deck.



Example 1 : Metric mode

Roll Deck 1 : A0 plain paper Roll Deck 2 : A1 tracing paper

Roll Deck 3: A3 film

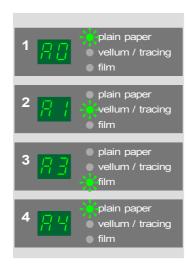
Roll Deck 4 : A4 plain paper

Example 2 : Inch mode

Roll Deck 1 : 36" vellum Roll Deck 2 : 30" plain paper

Roll Deck 3: 24" film

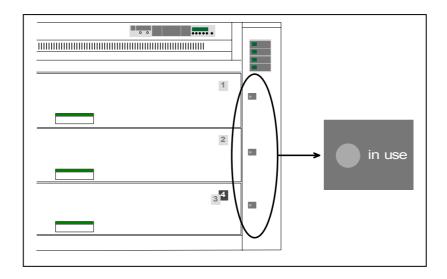
Roll Deck 4: 12" plain paper





1.5.6 "in use" Indicators

3 "in use" Indicators on the right front of KIP 9900 are related with 3 drawers respectively, and inform the operator which drawer must not be opened during printing.



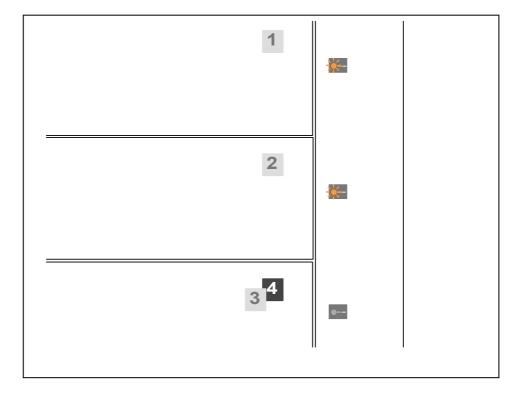
One or two "in use" Indicator light orange when the KIP 9900 is on printing.

Do not open the drawer if the concerning "in use" Indicator is lighting orange.

The drawer can be opened even if the KIP 9900 is on printing if the concerning "in use" Indicator is not lighting.

Example: Top and middle drawer can not be opened as the "in use" Indicators for them are lighting orange.

Only the bottom drawer can be opened as its "in use" Indicator is not lighting.

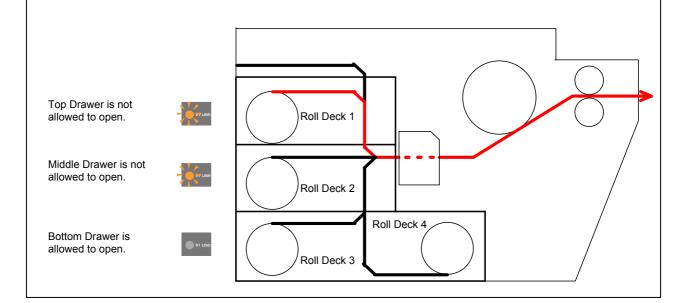


Reference)

Even if the KIP 9900 is printing, it is possible to open the drawer and replace/install the roll media without interrupting the print operation. However, it is not necessarily allowed to open any drawer at any time. A certain drawer can not be opened in the following situations.

- 1. When the roll media is fed from that drawer, this drawer can not be opened.
- 2. When the media (including cut sheet media) fed from other drawer is passing through the media path in a certain drawer, this drawer can not be opened.

See the following section diagram. Media feeding paths from each Roll Deck is integrated into one path in the middle drawer. When the KIP 9900 is printing with the roll media fed from the Roll Deck 1 for example, only the bottom drawer can be opened. ("in use" Indicators for top and middle drawers will light orange in this case.)



Chapter 2

Basic Operations

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2. 8		

2. 1 Turning on the KIP 9900

1. Plug the KIP 9900 into an exclusive wall outlet.



NOTE

Please confirm the outlet satisfies the following condition before plugging the KIP 9900 into. U.S.A. / Europe 220 - 240V (+6% / -10%), 16A, 50/60Hz



WARNING

Plug Specification for Europe / Asia

The power cord plug must meet the followings.

- (1) Select a 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 terminal.
- (2) If the appropriate plug does not fit the wall outlet in the installation place, an appropriate outlet must be prepared.
- (3) The wires in the power cord must be connected to the terminals of the plug in accordance with the following.

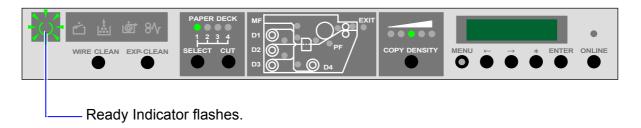
Wire Color	Plug Terminal
BROWN / BLACK	Marked with "L" / "A" / "W", or colored RED
LIGHT BLUE / WHITE	Marked with "N", or colored BLACK
GREEN-AND- YELLOW	Marked with "E" / "PE" / "= " or colored GREEN / GREEN-AND-YELLOW

2. Press "|" side of Power Switch to turn on the KIP 9900.





3. KIP 9900 starts warming up the Fuser Unit, and the Ready Indicator on the Operation Panel starts flashing.

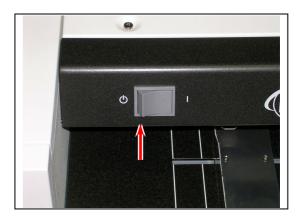


4. The Ready Indicator lights when the KIP 9900 gets ready about 6 minutes later.

Turning off the KIP 9900

Press "O" side of Power Switch to turn off the KIP 9900.





M NOTE

The controller unit starts shutdown process after turning off the KIP 9900, and it will take about 2 minutes until complete shut down. Do not unplug the KIP 9900 from the outlet for about 2 minutes after turning off therefore. The controller unit may be broken if the KIP 9900 is unplugged before the completion of shut down process.

2. 3 Setting the Roll Media into Roll Deck

The Roll Empty Indicator on the Operation Panel flashes in red when the used roll media is emptied during printing. Install a new roll media.

Roll Empty Indicator

PAPER DECK
1 2 3 4
SELECT CUT
D2
D3
D4

WIRE CLEAN EXP-CLEAN

PAPER DECK
1 2 3 4
SELECT CUT
D3
D4

WENU

COPY DENSITY

MENU

** ENTER ONLINE

Reference

(1) Even if the KIP 9900 is printing, it is possible to open the drawer and replace/install the roll media without interrupting the print operation. However, it is not necessarily allowed to open any drawer at any time. Do not open the drawer when the concerning "in use" Indicator is lighting.

Refer to [1.5.6 "in use" Indicator] on page 1-13 for the detail.

(2) Some Media Source Code is indicated on the Status Display during print to show which media source is used currently. (This is not indicated when printer is not on printing.) If the remainder of roll becomes smaller than ¼ of new one, this code flashes to show it is "near empty".



Media Source Code flashes when the roll media is near empty.

The followings are the correspondence of Media Source Codes and media sources.

- d 1 : Roll 1 is used.
- d 2 : Roll 2 is used.
- d 3 : Roll 3 is used.
- d 4 : Roll 4 is used.
- b P : Bypass Feeder is used.

2. 3. 1 Roll 1 / 2 / 3

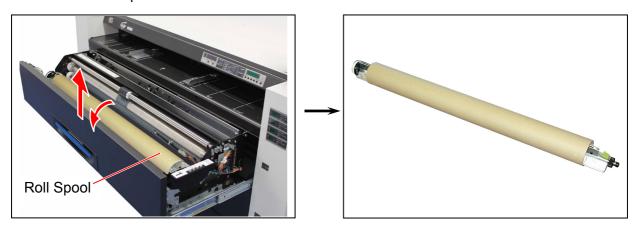
Install a new roll media onto Roll 1, 2 and 3 using the following directions.

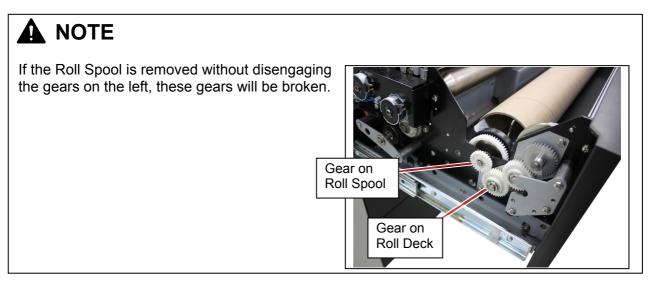


1. Draw out the concerning Roll Deck.

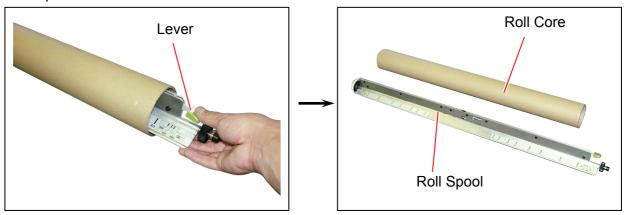


2. Retrieve the Roll Spool to the arrow direction a little to disengage the gears on the left, and remove the Roll Spool from the deck.

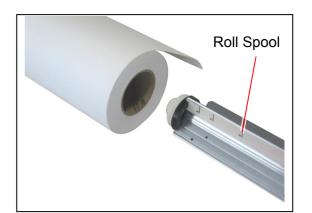




3. Press down the green lever on the right of the Roll Spool to unlock the core, and pull out the Roll Spool from the core.



4. Insert the Roll Spool into the new roll media.





Please keep the correct direction as the following left photo.

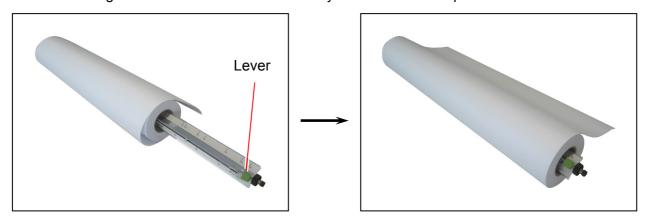


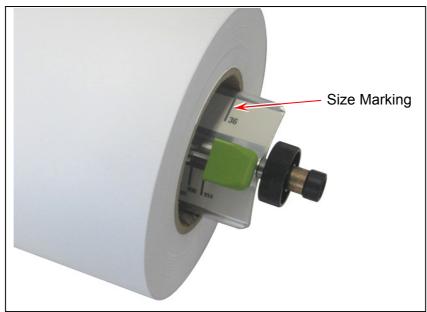




Wrong

Pressing down the green lever, insert the Roll Spool fully.
 Align the edge of roll media with the concerning size marking.
 Release the green lever. The roll media is firmly fixed to the Roll Spool.





6. Return the Roll Spool to the Roll Deck.

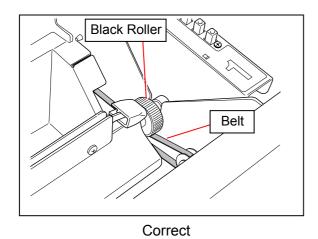


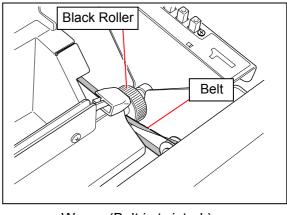
A NOTE

The driving belt inside of the Roll Deck must be flat and evenly contact on the bottom of black small roller on the right of Roll Spool.

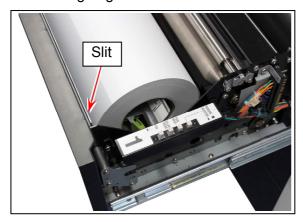
If it is twisted or not contacting the black small roller properly, correctly it.

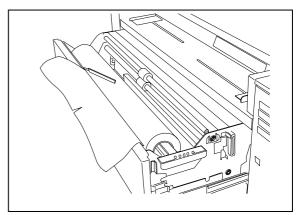






7. Using a slit on each drawer, cut off the leading part of roll media with a cutter knife to straighten the leading edge.



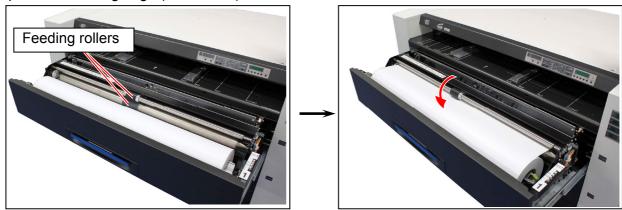




NOTE

Do not feed any media with tape or adhesive remaining on it. It is recommended to trim at least one full revolution from the roll when installing a new roll.

8. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (10 - 20mm) with the rollers.





NOTE

The Roll Deck 3 only has a positioning hole. (Other Rolls do not have it.) Feed the roll media until its leading edge comes to appear in the hole, and place the leading edge at the center of the hole.





9. Set the Media Selector (toggle) according to the installed media type. For inch size media, select either "ENGINEERING" or "ARCHITECTURE" as well. ("ENGINEERING": the button is up, "ARCHITECTURE": the button is down.)





A

NOTE

Correctly set the Media Selector (including Architecture/Engineering selection) to the loaded media type.

Wrong setting of Media Selector could cause unexpected defective printing result.

10. Close the Roll Deck.

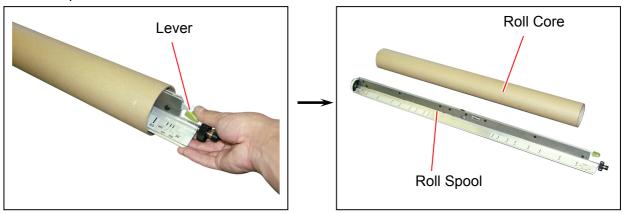


2. 3. 2 Roll 4

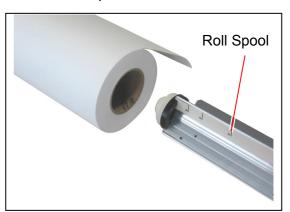
The way of media installation to Roll Deck 4 slightly differs from the way for the other Rolls because of the location of Roll 4's feeding rollers. This section instructs only the operation individually required for Roll 4. Refer to [2.3.1 Roll 1 / 2 / 3] on page 2-6 for the rest of common operations.

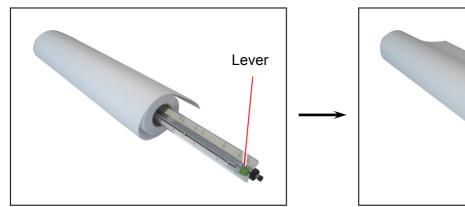


2. Press down the green lever on the right of the Roll Spool to unlock the roll core, and pull out the Roll Spool from the core.

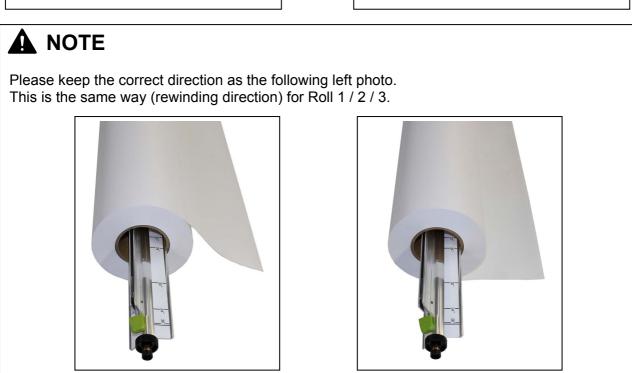


3. Pressing down the green lever, insert the Roll Spool into the new roll media. Align the edge of roll media with the concerning size marking. Release the green lever. The roll media is firmly fixed to the Roll Spool.





Correct

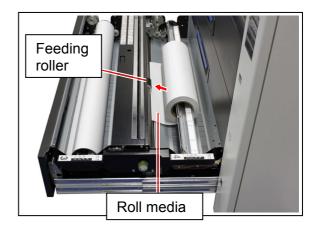


Wrong

4. Return the Roll Spool to the Roll Deck 4.



5. Insert the leading edge of media under the feeding roller.



6. Rotate the green knob clockwise to pinch the leading edge (about 10-20mm) with the feeding rollers.



7. Close the bottom Roll Deck.



2. 4 Setting Cut Sheet Media to Bypass Feeder

Cut sheet media can be fed into KIP 9900 from the Bypass Feeder. Orientation, length and availability of multi-feeding are specified for each media width separately as follows.

Metric size

Width of cut sheet media	Available orientation	Available length	Availability of multi- feeding
297mm	Landscape only	210mm only	Available
420mm	Landscape only	297mm only	Available
594mm	Landscape only	420mm only	Available
841mm	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available

Inch size

Width of cut sheet media	Available orientation	Available length	Availability of multi- feeding
11"	Landscape only	8.5" only	Available
12"	Landscape only	9" only	Available
17"	Landscape only	11" only	Available
18"	Landscape only	12" only	Available
22"	Landscape only	17" only	Available
24"	Landscape only	18" only	Available
30"	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available
34"	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available
36"	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available

▲ NOTE

(1) Availability of orientation for each media size is illustrated on the Bypass Feeder. Please follow the illustration when setting the cut sheet media.





Orientation is specified

(2) Multi-feeding is available if the cut sheet media is narrower than A2 (594mm) or 24". Refer to [2.4.1 Multi-feeding of cut sheet media] on the next page.

2. 4. 1 Multi-feeding of cut sheet media

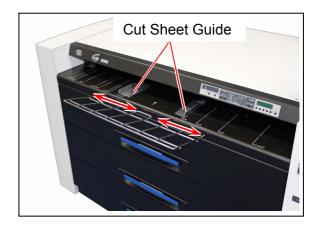
Multiple cut sheet feeding (50 sheets max) is available when the size is narrower than A2 (594mm) or 24". The followings are the sizes that can be fed by multi-feeding. (Orientation must be landscape)

Inch: 11" x 8.5" Metric: 297mm x 210mm (A4) 18" x 12" 12" x 9" 22" x 17" 420mm x 297mm (A3) 594mm x 420mm (A2) 17" x 11" 24" x 18"



⚠ NOTE

- (1) Do not attempt to make multi-feeding with other sizes of media as it will result in mis-feed or duplicate feeding. The internal mechanism of KIP 9900 may damage in the worst case.
- (2) Do not leave the cut sheet media on the Bypass Feeder for a long time as it will get moisture. Such media will result in mis-feed or defective image. (Keep the media in a plastic bag to block the moisture.)
- 1. Select the bypass feeding mode on the outer device.
- 2. Slide the Cut Sheet Guides and place at the requested size guides.



3. Arrange the edges of media, put the media on the Bypass Feeder, and move them forward until the leading edges contact the feeding roller.





A NOTE

Landscape feeding only is available.

2. 4. 2 Singular feeding of cut sheet media

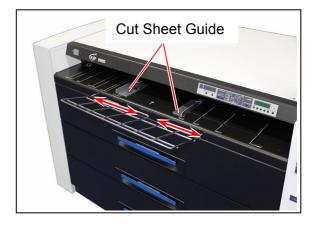
Larger cut sheet media than A2 (594mm) or 24" can be fed into KIP 9900 by singular feeding only.



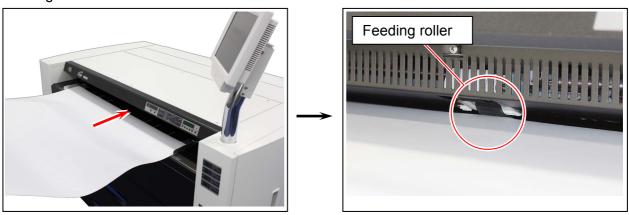
NOTE

Do not leave the cut sheet media on the Bypass Feeder for a long time as it will get moisture. Such media will result in mis-feed or defective image. (Keep the media in a plastic bad to block the moisture.)

- 1. Select the bypass feeding mode on the outer device.
- 2. Slide the Cut Sheet Guides and place at the requested size guides.



3. Put the media on the Bypass Feeder and move it forward until the leading edge contacts the feeding roller.



▲ NOTE

As curled cut sheet media will cause a mis-feed, straighten the media as far as possible before printing.

And also please set the media by "curl down" direction as a mis-feed can be avoided. Setting of media by "curl up" direction tends to result in a mis-feed.





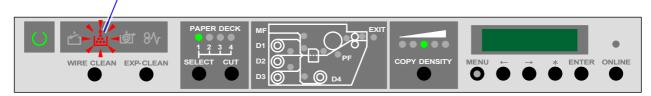
Correct (curl down)

Incorrect (curl up)

2. 5 Replacing the Toner Cartridge

The Toner Empty Indicator on the Operation Panel flashes when the toner is "near empty", and it lights when the toner is completely empty. Replace the Toner Cartridge when it lights.

Toner Empty Indicator



Reference)

- (1) Even if the KIP 9900 is on printing, it is possible to replace the Toner Cartridge without interrupting printing.
- (2) It is still possible to make some more printing when the Toner Empty Indicator is flashing, but the toner will be soon emptied completely and the KIP 9900 will no more be able to continue printing. For avoiding machine down, prepare a new Toner Cartridge before the Toner Empty Indicator starts flashing.

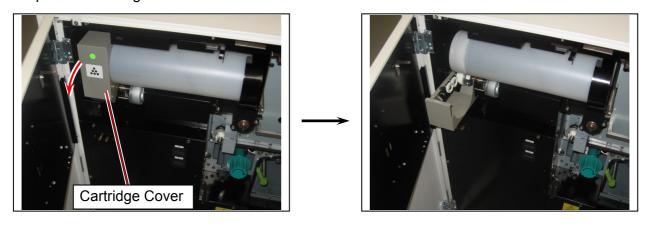


NOTE

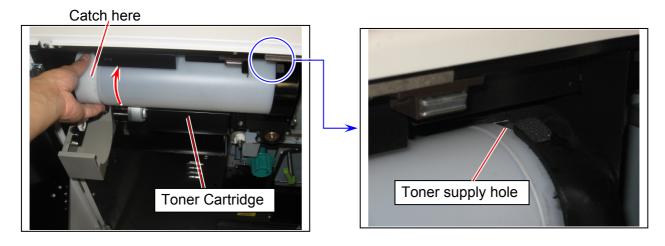
- (1) The KIP 9900 Toner Cartridge is embedded with the IC Tag for an exclusive use on KIP 9900. Even if the Toner Cartridge for other models is installed, the KIP 9900 does not operate with indicating an error code "C-01".
- (2) Once the Toner Cartridge become empty with the toner, the KIP 9900 recognizes its IC Tag information. The same Toner Cartridge can no more be installed onto the KIP 9900 after that. The KIP 9900 does not operate with indicating an error code "C-01" if once emptied Toner Cartridge is installed.
- 1. Open the Toner Cover on the right face.



2. Open the Cartridge Cover.



3. With holding the left end of Toner Cartridge, rotate it half revolution until the toner supply hole of the cartridge becomes visible in the notch as the following right photo.



A NOTE

- (1) The toner will drop and will dirt the floor if the cartridge is removed without directing its toner supplying hole up.
- (2) Catch the left end of Toner Cartridge. If you catch its body as the following incorrect example, the toner will spill out.



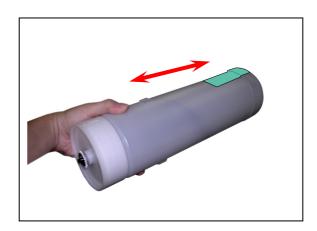


Correct Incorrect

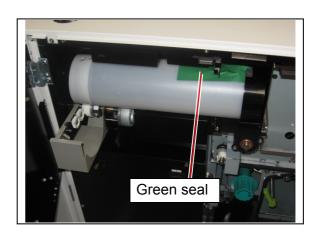
4. Remove the Toner Cartridge holding its left end.



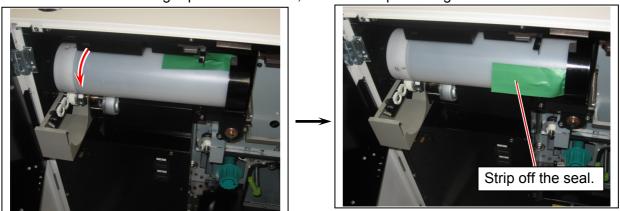
5. Shake the new Toner Cartridge fully to loosen the toner.



6. Install the new Toner Cartridge with its green seal up.



7. Rotate the Toner Cartridge quarter revolution, and then strip off the green seal.



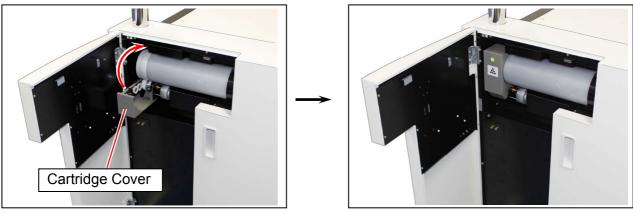
8. Rotate the cartridge quarter revolution more to move the toner supply hole completely to the bottom.



▲ NOTE

Be sure to place the toner supply bole on the bottom. Otherwise the KIP 9900 will show Toner Empty Error soon as the toner can not be supplied with this state.

9. Close the Cartridge Cover.

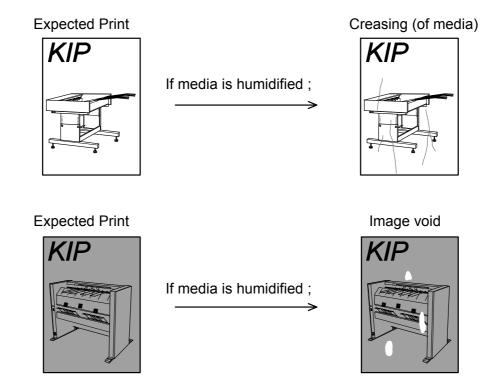


10. Close the Toner Cover.



2. 6 Dehumidifying the Roll Media

Printing with a humidified media will result in several printing defects. The most popular defects are "creasing" and "image void".



If the roll media is kept in the Roll Deck for a long time with being exposed to the air, the media tends to be more humidified and results in the above defects with higher frequency. To avoid this situation as far as possible, the KIP 9900 is provided with the Dehumidify Heater for drying the roll media in the Roll Deck.

If the above defects can be seen when the air is much humidified (higher than 60%), try to turn on the Dehumidify Heater as the defects may be resolved.

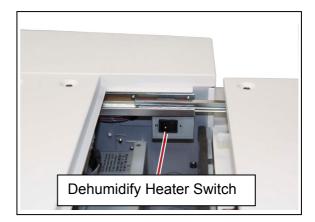
1. Open the Top Rear Cover.



2. There is a Dehumidify Heater Switch on the right.

Press "H" to turn on the Dehumidify Heater, and press "L" to turn it off.



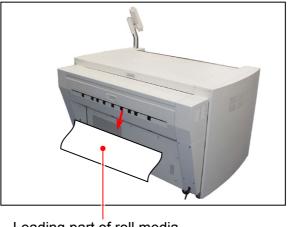


Reference

- (1) The KIP 9900 offers some kinds of operation mode of Dehumidify Heater, which specify when the heater should work. Your service personnel select the best operation mode at machine installation considering your usage environment. If "creasing" or "image void" starts to occur so frequently when the usage environment changes (because of seasonal reason and etc) during normal use, it may be fixed if the operation mode is changed to other ones. Consult your service personnel in such case. (User can not change the mode.)
- (2) The KIP 9900 must be plugged into the outlet for operating the Dehumidify Heater. (Some operation mode enables the Dehumidify Heater to work even if the KIP 9900 is turned off at night if only it is plugged in. Do not plug out the KIP 9900 in such case especially.)
- (3) Dehumidify Heater is just a possibility to fix "creasing" or "image void", but it is NOT the complete solution for such defects. If the media has been already humidified before installed to the Roll Deck, it will be no use in turning on the Dehumidify Heater. The user needs to take great care for preventing the printing media from being humidified.
 - Do not unpack the media until right before it is to be installed to the machine.
 - When the air is much humidified, do not leave the roll media in the deck. Remove it from the deck, put it in a plastic bag and close firmly to avoid the humidity.

2. 7 Initial Cut (Straighten the leading edge of roll media)

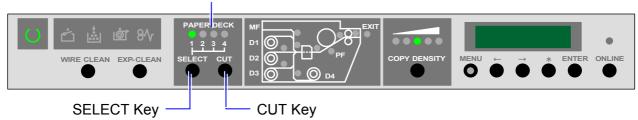
The leading part (240mm) of roll media can be cut off to have a straight edge.



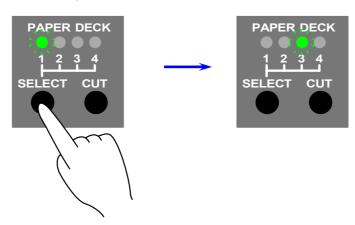
Leading part of roll media

Initial Cut can be performed with SELECT Key, CUT Key and Roll Deck Indicator on the Operation Panel.

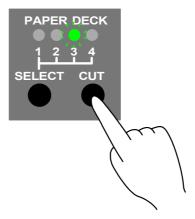




1. Pressing the SELECT Key, select the roll media to which the Initial Cut is to be performed.



2. Press the CUT Key to perform the Initial Cut. The leading part of selected roll is cut and ejected automatically. (The LED flashes during the Initial Cut.)



Reference

Initial Cut is not available when in warming up or when the Roll Deck is open. All LED of Roll Deck Indicator are put out in this case.

2.8 User Mode

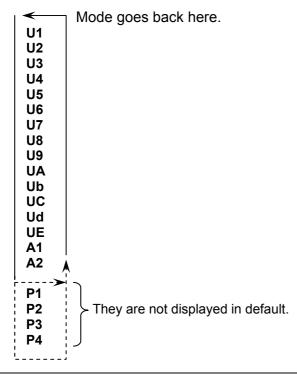
The KIP 9900 provides 15 User Modes in default.

Name of User	Description	User Mode Code
Mode		
User Mode 1	Test print	U1.
User Mode 2	Calendar setting	U2.
User Mode 3	Warm Sleep Mode ON / OFF & timer setting	U3.
User Mode 4	Cold Sleep Mode timer setting	U4.
User Mode 5	Automatic Initial Cut at power on	U5.
User Mode 6	Transfer Support LED ON/OFF [Film]	U6.
User Mode 7	Alarm ON / OFF	U7.
User Mode 8	Choice of Standard / Special Print Mode [Plain paper]	U8.
User Mode 9	Choice of Standard / Special Print Mode [Tracing paper]	U9.
User Mode A	Choice of Standard / Special Print Mode [Film]	UA.
User Mode B	Selection of Image Enhancement Mode	Ub.
User Mode C	Reserve	UC.
User Mode D	Cancel E-26 error	Ud.
User Mode E	Cancel E-28 error	UE.
User Mode A1	Auto Initial Cut: Media	A1
User Mode A2	Auto Initial Cut: Length	A2

User Mode P contains sub categories of special width selections. If you make prints in a special width listed below, contact your service personnel for the detail.

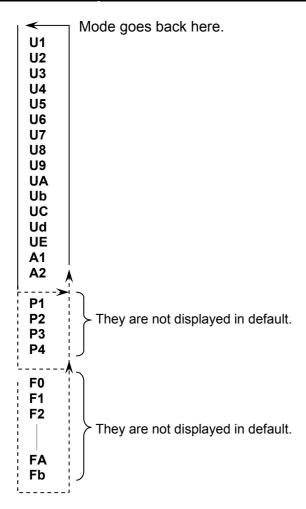
Name of User Mode	Description	User Mode Code
User Mode P	Special width selection available in Metric mode	
	P1 : Width Selection of 900 / 891 / 880mm	P1.
	P2 : Width Selection of B1 / 707 / 700mm	P2.
	P3: Width Selection of A1 / 620 / 610mm	P3.
	P4 : Width Selection of A2 / 440mm	P4.

[Scroll order of User Mode Codes]



User Mode F contains sub categories of folding settings. If you use a Bay Folder, contact your service personnel for the detail.

Name of User Mode	Setting matter		User Mode Code
User Mode F0	Fold type	Applied to folding method 1	F0
User Mode F1	Width of fan folding		F1
User Mode F2	Margin		F2
User Mode F3	Fold type	Applied to folding method 2	F3
User Mode F4	Width of fan folding		F4
User Mode F5	Margin		F5
User Mode F6	Fold type	Applied to folding method 3	F6
User Mode F7	Width of fan folding		F7
User Mode F8	Margin		F8
User Mode F9	Fold type	Applied to folding method 4	F9
User Mode FA	Width of fan folding		FA
User Mode Fb	Margin		Fb



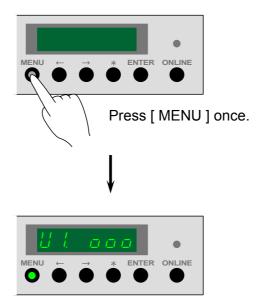
2. 8. 1 User Mode 1 (Test Print)

[Function]

An internal test pattern image can be printed out for checking image or machine operation. KIP 9900 automatically selects the roll media and print size.

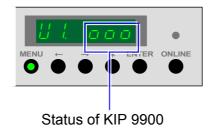
[Operation]

1. Press the [MENU] Key once to select the User Mode 1. [MENU] Key lights green and the Status Display indicates "U1."

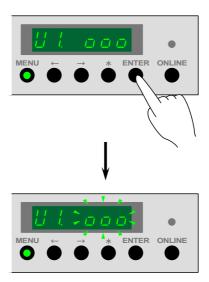


2. The 4th, 5th and 6th digits indicates the status of KIP 9900.

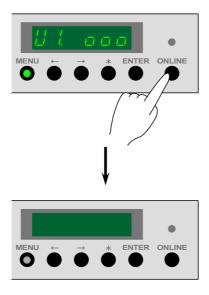
- - - (flashing) : Test print is not available.ooo (lighting) : Test print is available.ooo (flashing) : On test printing



3. Press the [ENTER] Key when "ooo" is lighting. Test print is started and "ooo" flashes.



4. When test print is finished, "ooo" stops flashing and lights. Press the [ONLINE] Key to cancel the User Mode 1.



User Mode 2 (Calendar setting) 2. 8. 2

[Function]

Calender setting can be corrected if wrong. (KIP 9900 memorizes calendar information on its circuit.)

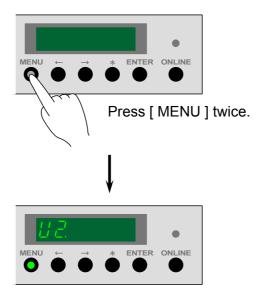


▲ NOTE

- (1) KIP 9900 can operate without problem even if the calendar setting is wrong.
- (2) The calendar setting is used for diagnostics purpose. If some error or mis-feed occurs, KIP 9900 records it with the information "when" it occurred based on the calendar setting set in User Mode 2. As such record is very useful for the service personnel to diagnose the trouble, please set the calendar occasionally to the correct date and time.

[Operation]

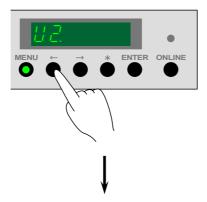
1. Press the [MENU] Key twice to select the User Mode 2. [MENU] Key lights green and the Status Display indicates "U2.".



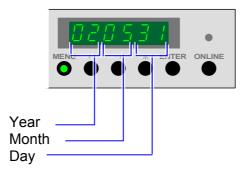
2. The User Mode 2 has 8 sub modes which can be orderly selected by pressing $[\ \in\]$ and $[\ \rightarrow\]$ Keys. 2 of them are "Confirmation Modes", and the rest of 6 are "Correction Modes".

Order of selection	Name of Sub Mode	Example of indication
1	Confirmation Mode – Date	020531
2	Confirmation Mode – Time	1 2.0 0.3 0
3	Correction Mode – Year	C 1 0 2
4	Correction Mode – Month	C 2 0 5
5	Correction Mode – Day	C3 31
6	Correction Mode – Hour	C 4 1 2
7	Correction Mode – Minute	C5 00
8	Correction Mode – Second	C 6 3 0

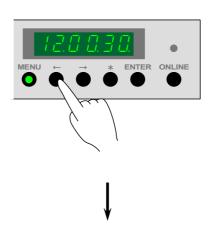
3. Select the "Confirmation Mode – Date" first pressing the [\leq] Key, and confirm the current setting for year, month and date.



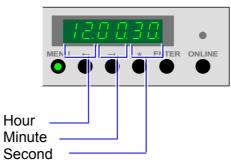
Example : May 31, 2002



4. Select the "Confirmation Mode – Time" next pressing the [\leq] Key, and confirm the current setting for hour, minute and second.



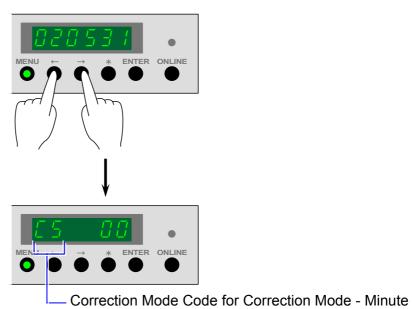
Example: 12:00:30



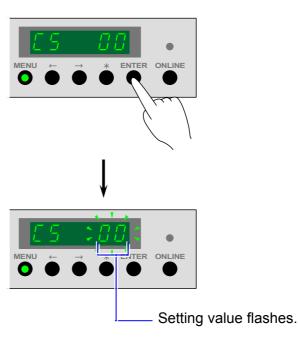
5. If some item needs to be corrected, select its correction mode pressing [←] and [→] Keys. 6 Correction Modes are shown by Correction Mode Code as C1, C2, C3, C4, C5 and C6, and necessary correction mode can be selected by indicating its code.

Correction Mode Codes	Description
C1	Correction Mode – Year
C2	Correction Mode – Month
C3	Correction Mode – Day
C4	Correction Mode – Hour
C5	Correction Mode – Minute
C6	Correction Mode – Second

Example: "C5" is selected as "Minute" is to be corrected.

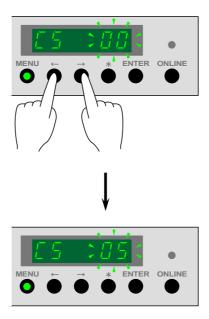


6. Press the [ENTER] Key. The setting value on 5th and 6th digits flashes and becomes changeable.

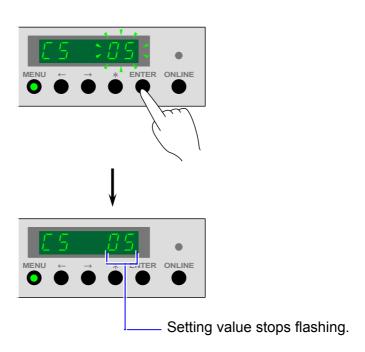


7. Change the setting value pressing [\in] Key (increment) and [\ni] Key (decrement).

Example: Minute is to be corrected from 00 to 05.

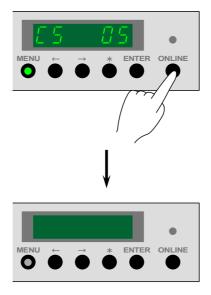


8. Decide the new setting value pressing the [ENTER] Key. The setting value stops flashing when decided.



9. Correct other setting items in the same way if necessary.

10. When all necessary items are corrected, press the [ONLINE] Key to cancel the User Mode 2.



2. 8. 3 User Mode 3 (Warm Sleep Mode ON / OFF & timer setting)

[Function]

It is possible to select whether or not the Warm Sleep Mode works. The timer for Warm Sleep can be specified as well. If the KIP 9900 does not receive any print/copy for the time set as timer in User Mode 3, it will go into the Warm Sleep Mode to save the power consumption.

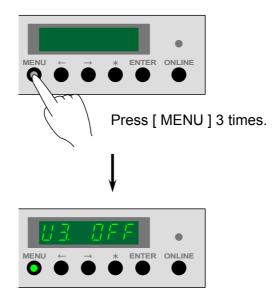
Reference

Warm Sleep Mode is a kind of power saving mode. It works when the KIP 9900 does not print for the time the timer specifies. Power consumption is reduced by maintaining the temperature of fuser at a lower degree than usual stand by state.

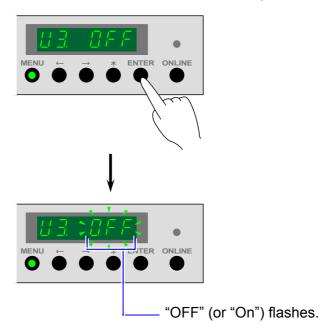
Warm Sleep Mode will be cancelled automatically when a print job or a copy job is sent from the outer device. However it may take time until the KIP 9900 starts printing as it needs to recover enough temperature on the fuser. (Print does not start until the KIP 9900 gets ready recovering enough temperature.)

[Operation]

1. Press the [MENU] Key 3 times to select the User Mode 3. [MENU] Key lights green and the Status Display indicates "U3.".

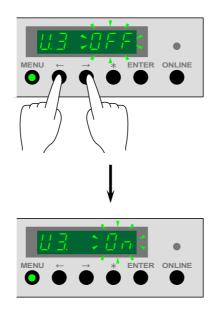


2. The Status Display indicates either "OFF" or "On" according to the current setting. Press the [ENTER] Key. The setting value (OFF/On) flashes and becomes changeable.

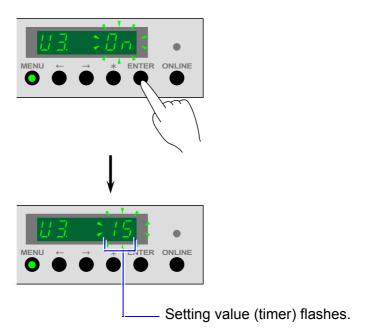


3. Select either "OFF" or "On" pressing [\leftarrow] Key and [\rightarrow] Key..

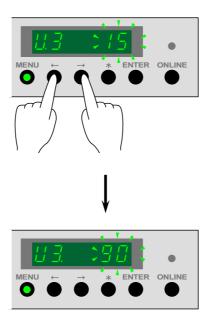
Setting value	Description
0	Warm Sleep Mode works when a decided time has passed.
	(Timer can be set in the later procedure.)
1	Warm Sleep Mode does not work.



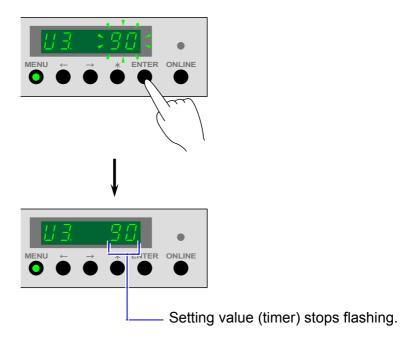
- 4. Press the [ENTER] Key to decide the setting.
 - If "On" is decided, the Status Display indicates the setting value of Warm Sleep timer in flashing. Go to the following procedure 5 for setting the timer.
 - If "OFF" is decided, go to the procedure 7 as it is unnecessary to set Warm Sleep timer.



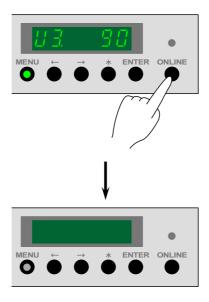
5. Indicate the necessary Warm Sleep timer value pressing [\leq] Key (increment) and [\Rightarrow] Key (decrement). Setting unit is "minute", and the selectable values are 10, 15, 20, 30, 40, 50, 60, 90, 120, 180 and 240.



6. Press the [ENTER] Key to decide the timer value. The setting value stops flashing when decided.



7. Press the [ONLINE] Key to cancel the User Mode 3.



2. 8. 4 **User Mode 4 (Cold Sleep Mode timer setting)**

[Function]

It is possible to set the Cold Sleep timer. If the KIP 9900 does not receive any print/copy for the time set as timer in User Mode 4, it will go into the Cold Sleep Mode to save the power consumption.

Reference

Cold Sleep Mode is a power saving mode that can save more power than Warm Sleep Mode. It works when the KIP 9900 has not printed for the time the timer specifies. Power consumption is reduced greatly by completely shutting off supplying the power to the fuser unit. The Cold Sleep Mode will be cancelled automatically when a print job or a copy job is sent. However it may take time until the KIP 9900 starts printing as it needs to recover the temperature of the fuser. (Printing does not start until the KIP 9900 is ready) Note that the Cold Sleep Mode will require longer recovering time than Warm Sleep.



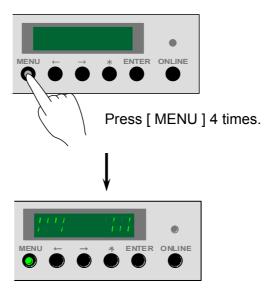
A NOTE

If the Cold Sleep does not start even if the time specified in User Mode 4 has passed, the Cold Sleep Mode may be set to OFF. If there is a dot beside the timer value, the Cold Sleep Mode is set to OFF (inactive). Call the service personnel to set it to ON. (User can not change this setting.)

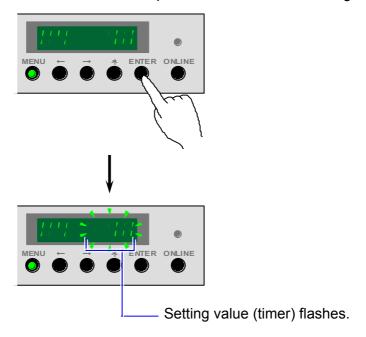


[Operation]

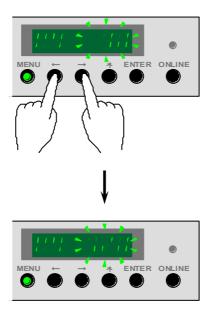
1. Press the [MENU] Key 4 times to select the User Mode 4. [MENU] Key lights green and the Status Display indicates "U4.".



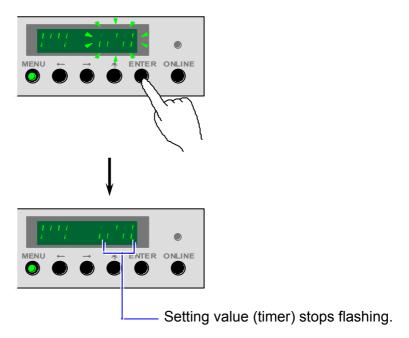
2. Press the [ENTER] Key. The timer value for Cold Sleep flashes and becomes changeable.



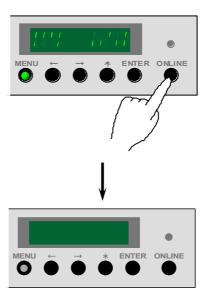
3. Indicate the necessary Cold Sleep timer value pressing [\leq] Key (increment) and [\Rightarrow] Key (decrement). Setting unit is "minute", and the selectable values are 10, 15, 20, 30, 40, 50, 60, 90, 120, 180 and 240.



4. Press the [ENTER] Key to decide the timer value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 4.



2. 8. 5 User Mode 5 (Automatic Initial Cut at power ON)

[Function]

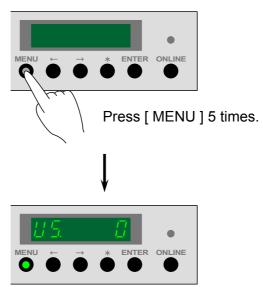
It is possible to make Initial Cut for all of 4 roll media whenever KIP 9900 is turned on.

Reference

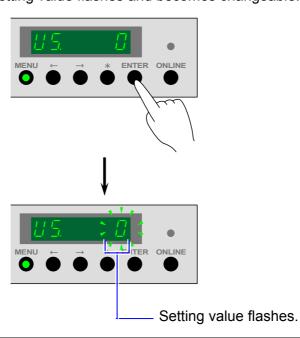
- (1) This is a function to cut off the leading part of roll media in 240mm long.
- (2) This will be done when;
 - you turn on the printer.
 - the cold sleep is canceled.

[Operation]

1. Press the [MENU] Key 5 times to select the User Mode 5. [MENU] Key lights green and the Status Display indicates "U5.".

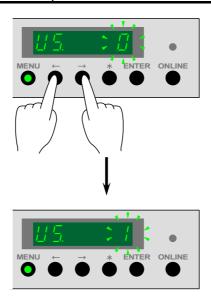


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

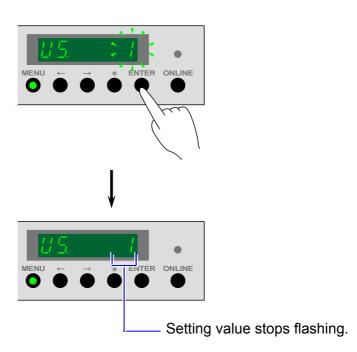


3. Change the setting value pressing [\in] Key (increment) and [\Rightarrow] Key (decrement).

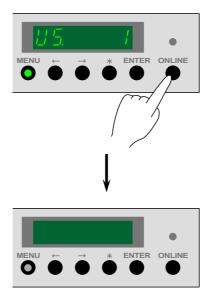
Setting value	Description
0	KIP 9900 performs the Initial Cut for all roll media at power ON.
1	KIP 9900 does not perform the Initial Cut at power ON.



4. Press the [ENTER] Key to decide the setting. The setting stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 5.



2. 8. 6 User Mode 6 (Transfer Support LED ON/OFF [Film])

[Function]

It is possible to turn on the Transfer Support LED for getting a clearer and darker image on film media.

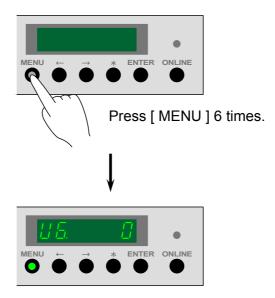


♠ NOTE

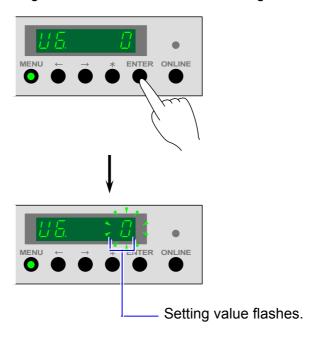
The printed image may look not clear or not dark enough when printed with some kind of unsupported type of printing media. In such case the print image may possibly become clearer and darker if the Transfer Support LED is turned on in the User Mode 6. (However note that the Transfer Support LED is not always the complete solution for all cases.)

[Operation]

1. Press the [MENU] Key 6 times to select the User Mode 6. [MENU] Key lights green and the Status Display indicates "U6.".

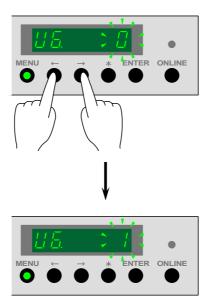


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

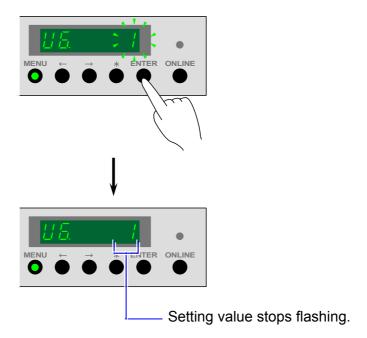


3. Change the setting value pressing [\leq] Key (increment) and [\Rightarrow] Key (decrement).

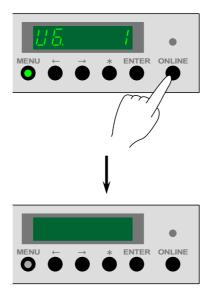
Setting value	Description
0	Transfer Support LED does not work.
1	Transfer Support LED works when printed with film.



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 6.



2. 8. 7 User Mode 7 (Alarm ON / OFF)

[Function]

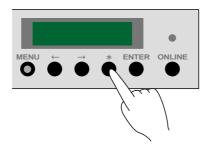
When alarm is set to ON, the following status can be noticed by the sound of alarm.

- (1) Toner empty
- (2) Toner near empty
- (3) Roll empty

Reference

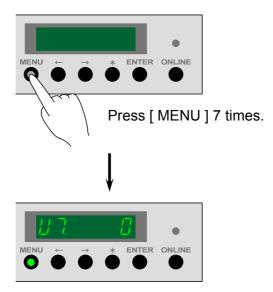
Alarm will continue to sound if unless either of the following operations is done.

- 1. Remove the cause of error. (Replace the Toner Cartridge or install a new roll media.)
- 2. Or press the [*] Key to stop the alarm without removing the cause of error.

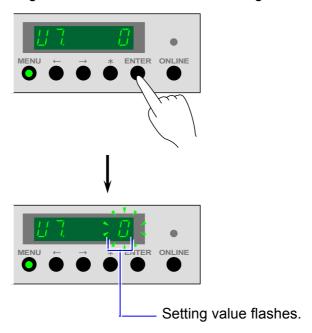


[Operation]

1. Press the [MENU] Key 7 times to select the User Mode 7. [MENU] Key lights green and the Status Display indicates "U7.".

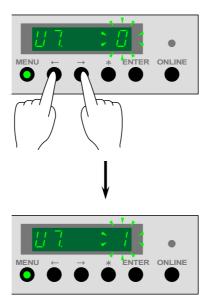


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

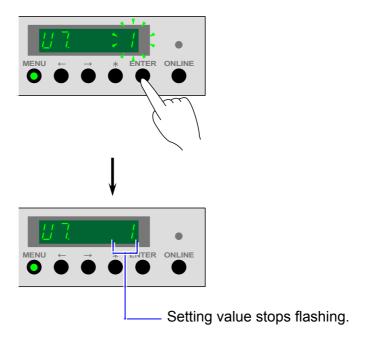


3. Change the setting value pressing [\in] Key (increment) and [\Rightarrow] Key (decrement).

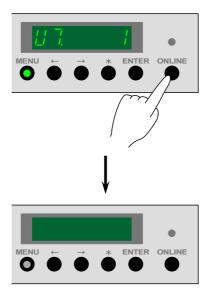
Setting value	Description
0	Alarm does not sound.
1	Alarm sounds if "toner empty", "toner near empty" or "roll empty" occurs.



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 7.



User Mode 8 2. 8. 8 (Choice of Standard / Special Print Mode [Plain paper])

[Function]

The operation mode of KIP 9900 can be set to either Standard Print Mode or Special Print Mode according to the situation. This setting become effective when printed with a plain paper.

Reference

Many printer parameters of KIP 9900 are adjusted most properly in the factory so that the KIP 9900 can produce a satisfactory print quality when printing is performed within what the machine specification declares. These parameters adjusted in factory will be applied when the operation mode is set to Standard Mode. Usually the Standard Print Mode is enough for getting a satisfactory print result.

If some usage condition is not within what the machine specification declares, for example some unsupported media is used or the temperature/humidity range is not within specified range, KIP 9900 may not be able to produce a satisfactory print result. In such case the service personnel customize some printer parameters most properly so that a satisfactory print result can be obtained even in such special case, and save such parameters as Special Print Mode. (User can not change such parameters.)

What the user has to do in the User Mode 8 is to switch between Standard Print Mode and Special Print Mode according to the situation. Please consult the service personnel as he knows in what case the operation mode should be set to Special Print Mode.



♠ NOTE

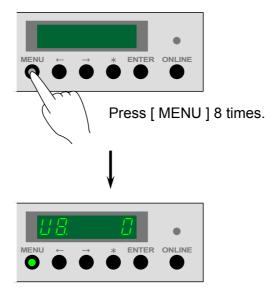
User Modes 8, 9 and A are the selection mode of Standard Print Mode and Special Print Mode. Each of them has its own target media type to which the selected operation mode is applied.

User Mode 8: Selection of operation mode for plain paper User Mode 9: Selection of operation mode for tracing paper

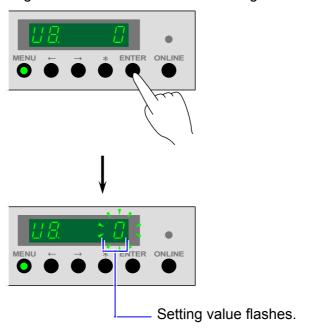
User Mode A: Selection of operation mode for film

[Operation]

1. Press the [MENU] Key 8 times to select the User Mode 8. [MENU] Key lights green and the Status Display indicates "U8.".

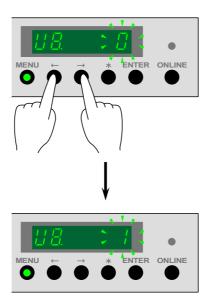


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

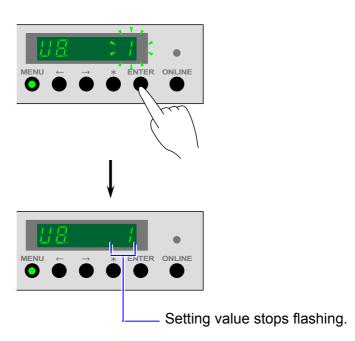


3. Change the setting value pressing [\leq] Key (increment) and [\Rightarrow] Key (decrement).

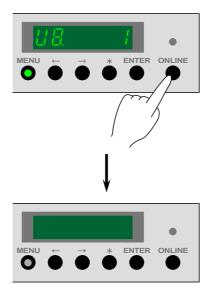
Setting value	Description
0	Standard Print Mode is applied in printing. (When plain paper is used.)
1	Special Print Mode is applied in printing. (When plain paper is used.)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 8.



2. 8. 9 User Mode 9 (Choice of Standard / Special Print Mode [Tracing paper])

[Function]

The operation mode of KIP 9900 can be set to either Standard Print Mode or Special Print Mode according to the situation. This setting become effective when printed with a tracing paper. See [REFERENCE] on page 2-53 for the description of this mode.



NOTE

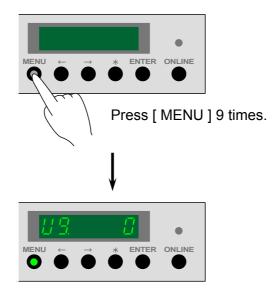
User Modes 8, 9 and A are the selection mode of Standard Print Mode and Special Print Mode. Each of them has its own target media type to which the selected operation mode is applied.

User Mode 8 : Selection of operation mode for plain paper User Mode 9 : Selection of operation mode for tracing paper

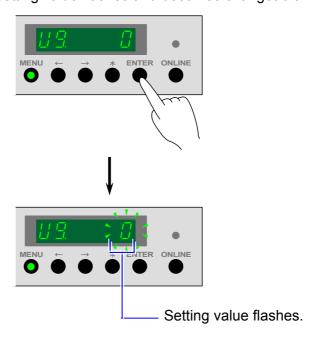
User Mode A: Selection of operation mode for film

[Operation]

1. Press the [MENU] Key 9 times to select the User Mode 9. [MENU] Key lights green and the Status Display indicates "U9.".

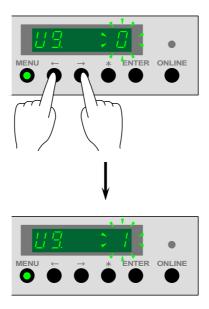


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

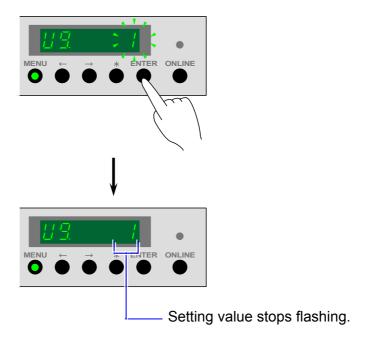


3. Change the setting value pressing [\in] Key (increment) and [\ni] Key (decrement).

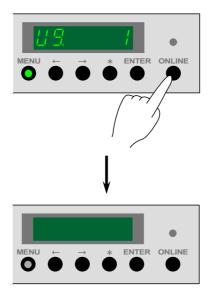
Setting value	Description
0	Standard Print Mode is applied in printing. (When tracing paper is used.)
1	Special Print Mode is applied in printing. (When tracing paper is used.)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 9.



2. 8.10 User Mode A (Choice of Standard / Special Print Mode [Film])

[Function]

The operation mode of KIP 9900 can be set to either Standard Print Mode or Special Print Mode according to the situation. This setting become effective when printed with a film. See [REFERENCE] on page 2-53 for the description of this mode.



NOTE

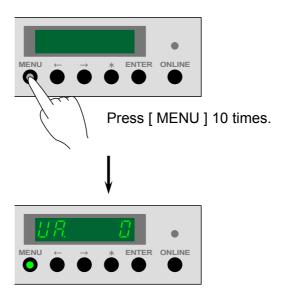
User Modes 8, 9 and A are the selection mode of Standard Print Mode and Special Print Mode. Each of them has its own target media type to which the selected operation mode is applied.

User Mode 8 : Selection of operation mode for plain paper User Mode 9 : Selection of operation mode for tracing paper

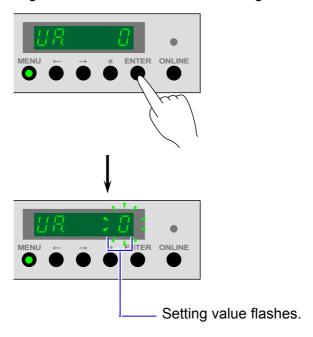
User Mode A: Selection of operation mode for film

[Operation]

1. Press the [MENU] Key 10 times to select the User Mode A. [MENU] Key lights green and the Status Display indicates "UA.".

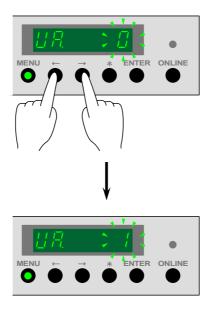


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

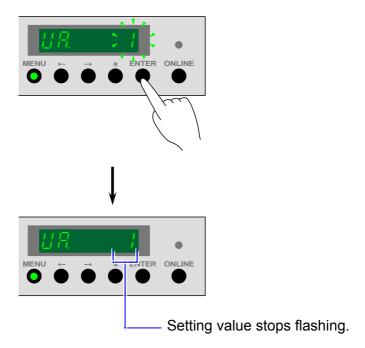


3. Change the setting value pressing [\in] Key (increment) and [\Rightarrow] Key (decrement).

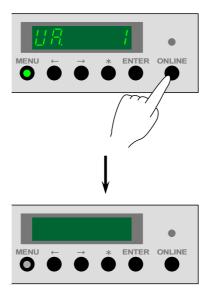
Setting value	Description	
0	Standard Print Mode is applied in printing. (When film is used.)	
1	Special Print Mode is applied in printing. (When film is used.)	



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode A.



2. 8.11 User Mode B (Selection of Image Enhancement Mode)

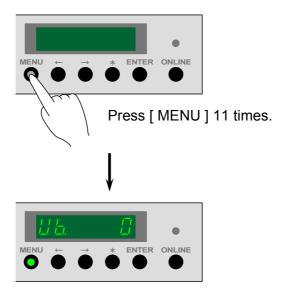
[Function]

The level of Image Enhancement can be selected. The printed image is more enhanced (become darker) when selecting a larger level. Try to select a higher level if the image looks weak.

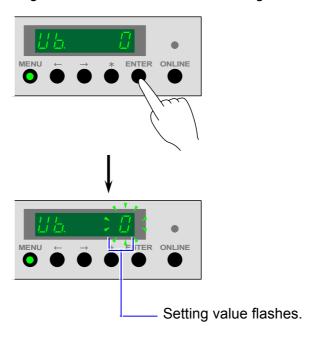
Setting	Image Enhancement	Description
	Mode	
0	Mode 0	Image Enhancement is Off
1	Mode 1	Image is enhanced - Low
2	Mode 2	Image is enhanced - Medium
3	Mode 3	Image is enhanced - High

[Operation]

1. Press the [MENU] Key 11 times to select the User Mode B. [MENU] Key lights green and the Status Display indicates "Ub.".

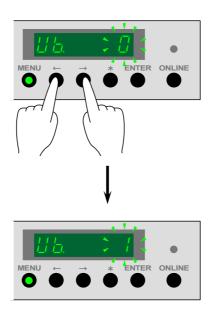


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

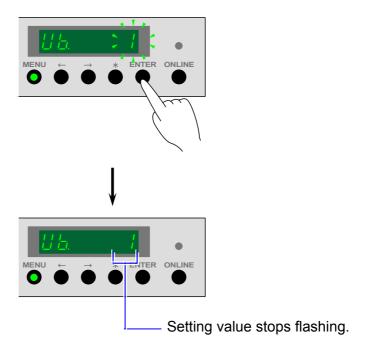


3. Change the setting value pressing [\leq] Key (increment) and [\Rightarrow] Key (decrement).

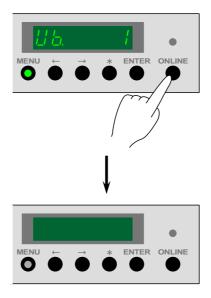
Setting	Image Enhancement Mode	Description
0	Mode 0	Image Enhancement is Off
1	Mode 1	Image is enhanced - Low
2	Mode 2	Image is enhanced - Medium
3	Mode 3	Image is enhanced - High



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode B.



2. 8.12 User Mode D (Cancel E-26 error)

[Function]

It is possible to specify the error check level for the Call Service Error E-26.

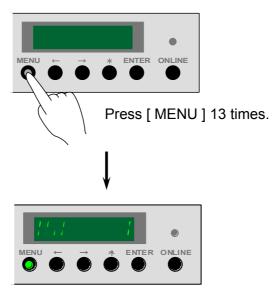
Reference

The image quality varies according to the variation of temperature of surrounding environment. To achieve a constant image quality in any environment, some printing parameters are adjusted in real time according to the temperature condition. If the real time adjustment can not work for some reason, a service call error E-26 is indicated and printing stops.

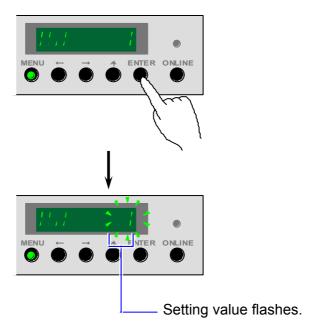
The error can be temporarily cleared in the User Mode D by easing the error check level, and you will be able to continue printing.

When you will clear the error by the User Mode D, note that;

- Image quality may not be satisfactory as the real time adjustment does not work.
- There may be some case that the error can not be cleared even if you ease the error check level. Call the service personnel immediately in this case.
- The User Mode D does not remove the real cause of error. Therefore call the service personnel as soon as possible although the KIP 9900 seems to be working fine.
- 1. Press the [MENU] Key 13 times to select the User Mode D. [MENU] Key lights green and the Status Display indicates "Ud.".

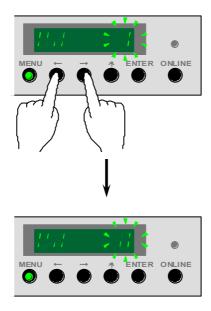


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

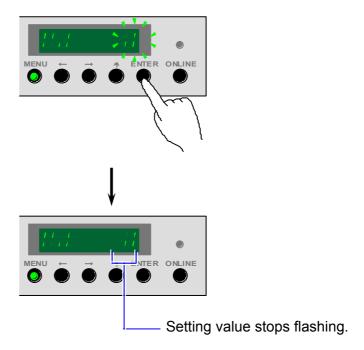


3. Change the setting value pressing [\in] Key (increment) and [\ni] Key (decrement).

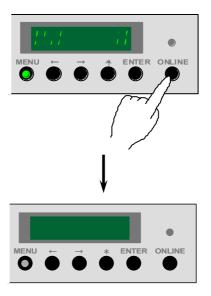
Setting value	Description
0	KIP 9900 does not make error checking for E-26. (OFF)
1	KIP 9900 makes error checking for E-26. (ON)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode D.



2. 8.13 User Mode E (Cancel E-28 error)

It is possible to specify the error check level for the Service Call error E-28.

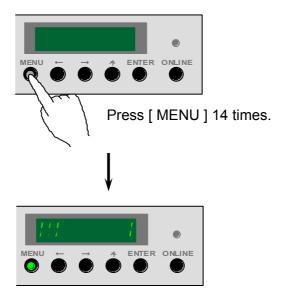
Reference)

The image quality varies according to the variation of temperature of surrounding environment. To achieve a constant image quality in any environment, some printing parameters are adjusted in real time according to the temperature condition. If the real time adjustment can not work for some reason, a service call error E-28 is indicated and printing stops.

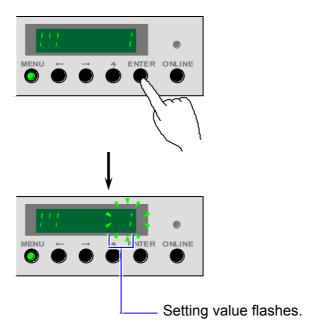
The error can be temporarily cleared in the User Mode E by easing the error check level, and you will be able to continue printing.

When you will clear the error by the User Mode E, note that;

- Image quality may not be satisfactory as the real time adjustment does not work.
- There may be some case that the error can not be cleared even if you ease the error check level. Call the service personnel immediately in this case.
- The User Mode E does not remove the real cause of error. Therefore call the service personnel as soon as possible although the KIP 9900 seems to be working fine.
- 1. Press the [MENU] Key 14 times to select the User Mode E. [MENU] Key lights green and the Status Display indicates "UE.".

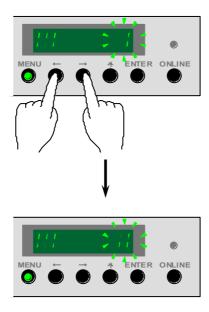


2. Press the [ENTER] Key. The setting value flashes and becomes changeable.

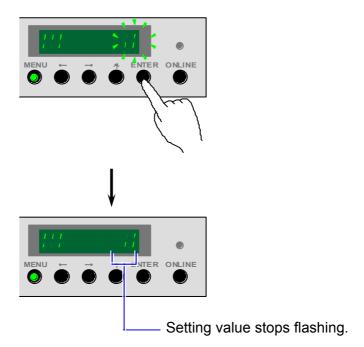


3. Change the setting value pressing [\in] Key (increment) and [\Rightarrow] Key (decrement).

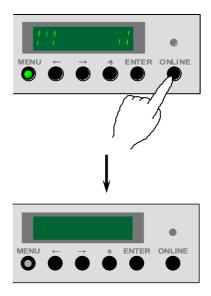
Setting value	Description
0	KIP 9900 does not make error checking for E-28. (OFF)
1	KIP 9900 error checking for E-28 with a normal check level. (ON1)
2	KIP 9900 error checking for E-28 with a high check level. (ON2)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode D.



2. 8.14 User Mode A1 (Auto Initial Cut: Media)

Under a certain usage environment, the first print of a job sometimes would have a wrinkle or an image void if the prints are made with a roll media left in the deck for a long period.

"Auto Initial Cut" makes an automatic initial cut in a specified amount at the leading edge before processing a job to obtain image quality and feed balance in such conditions.

[&]quot;Auto Initial Cut" can be specified which media type to be activated individually.

Setting value	Plain Bond	Tracing Vellum	Film
0			
1	Х		
2		Х	
3	Х	Х	
4			X
5	Х		Х
6		Х	Х
7	X	X	X

2. 8.15 User Mode A2 (Auto Initial Cut: Length)

Under a certain usage environment, the first print of a job sometimes would have a wrinkle or an image void if the prints are made with a roll media left in the deck for a long period. "Auto Initial Cut" makes an automatic initial cut in a specified amount at the leading edge before processing a job.

This setting can select the length to be cut of 300 / 450 / 600mm at the leading edge.

Setting value	Description	
600	The amount to be cut is 600mm long.	
450	The amount to be cut is 450mm long.	
300	The amount to be cut is 300mm long.	

A shorter choice can reduce waste of media but is not enough to remove one full revolution of the roll.

2. 8.16 User Mode P1 to P4 (Special Width Selection in Metric Mode)

In Metric Mode, the KIP 9900 has the ability to recognize roll media in a special width. One of two or three close width choices can be fixed.

The available selection set are as follows.

User Mode Code	Description
P1.	Width Selection of 900 / 891 / 880mm
P2.	Width Selection of B1 / 707 / 700mm
P3.	Width Selection of A1 / 620 / 610mm
P4.	Width Selection of A2 / 440mm

For example, User Mode P3 is fixed to "620mm" of A1 / 620 / 610mm This means that you cannot choose either "A1" and "620mm" at a time. If you fix User Mode P3 to "620mm",

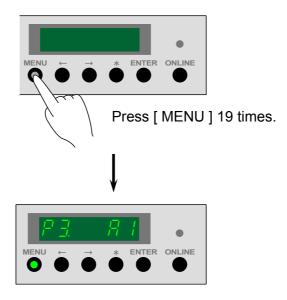
- (1) any of A1 / 620mm / 610mm roll media is considered to be "620mm".
- (2) you have to set User Mode P3 to "A1" before you use A1 roll media.

The following example shows how to use "620mm" width instead of A1 standard width. The same way is applied to any other choice of P1/P2/P3/P4 selection.

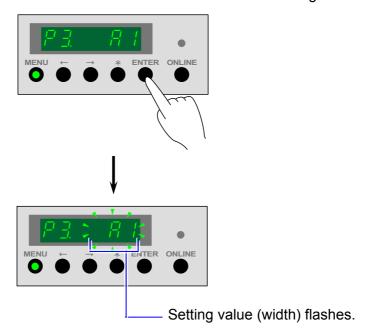
Reference

User Mode P1/P2/P3/P4 are not displayed in default. Contact your service personnel to enable this function.

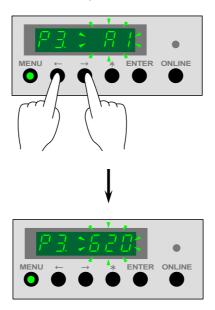
1. Press the [MENU] Key 19 times to select the User Mode P3. [MENU] Key lights green and the Status Display indicates "P3.".



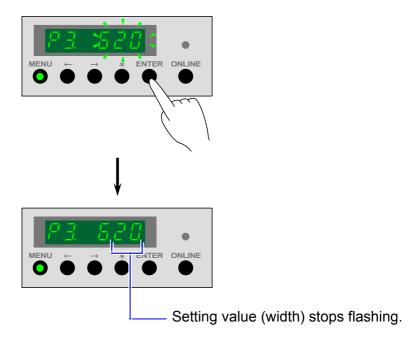
2. Press the [ENTER] Key. The current width choice flashes and becomes changeable.



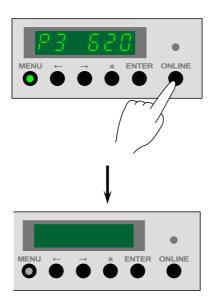
3. Select a desired width choice by pressing [\in] Key and [\ni] Key. For User Mode P3 in this example, the displayed order is "A1", "620", "610".



4. Press the [ENTER] Key to decide the width choice. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode P3.



2. 8.17 User Mode F0 to Fb (Fold settings)

[Function]

4 fold programs can be selected on the Image Scanner if KIP 9900 is connected with a Bay Folder. User Modes F0 to Fb can specify the "fold type", "width of fan folding" and "margin" for each of these 4 fold programs.

Reference

User Mode F0 to Fb are not displayed in default. Contact your service personnel to enable this function.

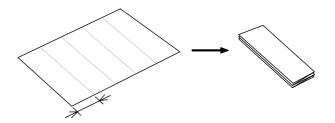
(1) Fold type

The following 3 fold types are selectable.

	1	
Setting value	Fold type	
00	Not folded	
01	Fan folding	
02	Fan folding & cross folding	

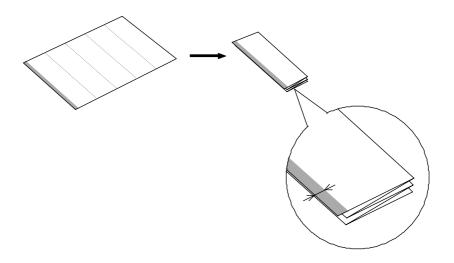
(2) Width of fan folding

Width of fan folding can be increased or decreased in 1mm increment. The adjustable range is from 180 to 210mm.



(3) Margin

It is possible to change the margin in 1mm increment, which is provided to the last fold in fan folding. The adjustable range is from 0 to 30mm.



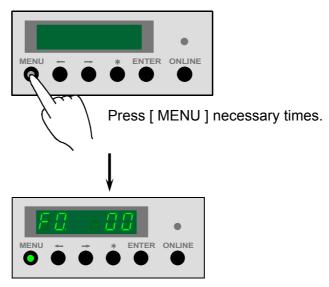
12 User Modes from F0 to Fb have their own setting target respectively as follows.

User Mode	Setting matter	Applied to ; (Selected on the scanner)
F0	Fold type	Folding method 1
F1	Width of fan folding	
F2	Margin	
F3	Fold type	Folding method 2
F4	Width of fan folding	
F5	Margin	
F6	Fold type	Folding method 3
F7	Width of fan folding	
F8	Margin	
F9	Fold type	Folding method 4
FA	Width of fan folding	
Fb	Margin	

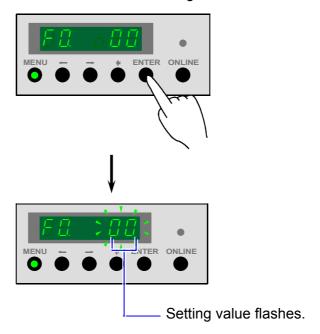
1. Select your required User Mode Code (F0 to Fb) pressing the [MENU] Key.

User Mode (Code)	Setting matter	Applied to ; (Selected on the scanner)	
F0	Fold type	Folding method 1	
F1	Width of fan folding		
F2	Margin		
F3	Fold type	Folding method 2	
F4	Width of fan folding	folding	
F5	Margin		
F6	Fold type	Folding method 3	
F7	Width of fan folding		
F8	Margin		
F9	Fold type	Folding method 4	
FA	Width of fan folding		
Fb	Margin		

[MENU] Key lights green and the Status Display indicates "FX.".

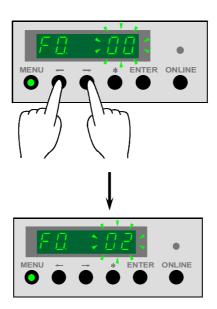


2. The Status Display indicates any setting value according to the selected User Mode. Press the [MENU] Key. The setting value flashes and becomes changeable.



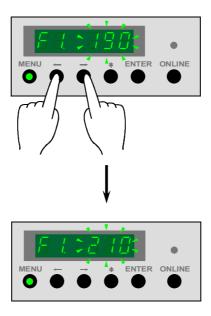
- 3. Change the setting value pressing [\leq] Key (increment) and [\Rightarrow] Key (decrement). Selectable setting values depend on the User Mode you selected.
 - (a) In case you change the "fold type" (User Mode Code F0, F3, F6 & F9), select any of "00", "01" and "02".

Setting value	Fold type	
00	Not folded	
01	Fan folding	
02	Fan folding & cross folding	



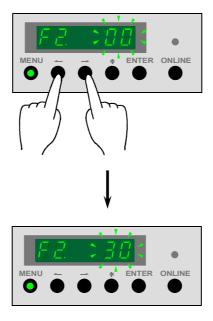
(b) In case you change the "width of fan folding" (F1, F4, F7 & FA), change the value depending on the following adjustable range and increment step.

Adjustable range	Increment step	
180 to 210mm	1mm	

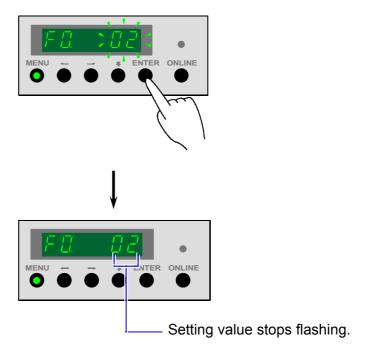


(c) In case you change the "margin" (F2, F5, F8 & Fb), change the value depending on the following adjustable range and increment step.

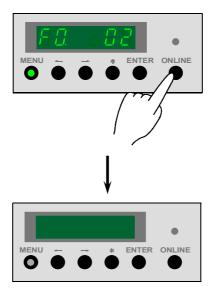
Adjustable range	Increment step	
00 to 30mm	1mm	



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the selected User Mode.



Reference

The following settings are specified to each folding method respectively.

Folding method	Fold type	Width of fan folding	margin
Folding method 1	02 (fan fold & cross fold)	190mm	0mm
Folding method 2	02 (fan fold & cross fold)	210mm	20mm
Folding method 3	02 (fan fold & cross fold)	210mm	0mm
Folding method 4	02 (fan fold & cross fold)	210mm	0mm

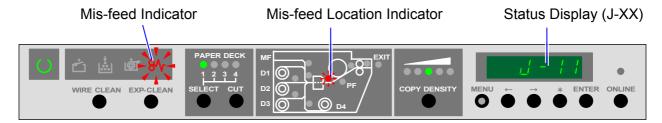
Chapter 3

Error Correction and Maintenance

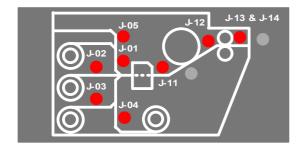
3. 1 3. 1. 3. 1. 3. 1. 3. 1. 3. 1.	Mis-feed in the Bypass Feeder (J-05) Mis-feed between Cutter and Drum (J-11) Mis-feed on Internal Transportation Unit (J-12) and Fuser Entrance (J-13) Mis-feed in Fuser Unit (J-14)	3- 3 3- 6 3- 7 3-11 3-18
3. 1.		3-25
3. 2	Open Errors	
3. 2.		
3. 2.		
3. 2.		3-27
3. 2.		3-27
3. 2.	1 \ /	
3. 2.	71 ' ' /	
3. 2.	5	
3. 2.		
3. 2.	1 \ /	
3. 2.1	10 Folder Door Open (U-21)	3-29
3. 3	Toner Cartridge Error (C-01)	3-30
3. 4	Service Call Errors	3-31
3. 5	Interruption of Print by Temperature Control	3-32
3. 6	Maintenance	
3. 6.		3-33
3. 6.	2 Cleaning the LED Head	3-34

Media Mis-feed Errors

If a media mis-feed occurs anywhere in KIP 9900, the Mis-feed Indicator on the Operation Panel lights red to notice the error. The Mis-feed Location Indicator illuminates any LED in red and the Status Display indicates any mis-feed code as "J-XX" to notice the location of mis-fed media.



Indication LEDs and mis-feed codes are corresponded as follows. Please refer to the page shown in the list as for the way to clear each mis-feed.

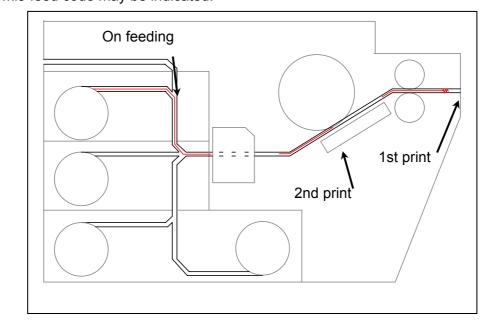


Mis-feed	Location of mis-feed	Refer to
code		page;
J-01	Roll 1	3-3
J-02	Roll 2	3-3
J-03	Roll 3	3-3
J-04	Roll 4	3-3
J-05	Bypass Feeder	3-6
J-11	Between Cutter and Drum	3-7
J-12	Internal Transportation Unit	3-11
J-13	Fuser Entrance	3-11
J-14	In Fuser Unit	3-18
J-21	Folder (No LED)	3-25
J-22	Auto Stacker (No LED)	3-25



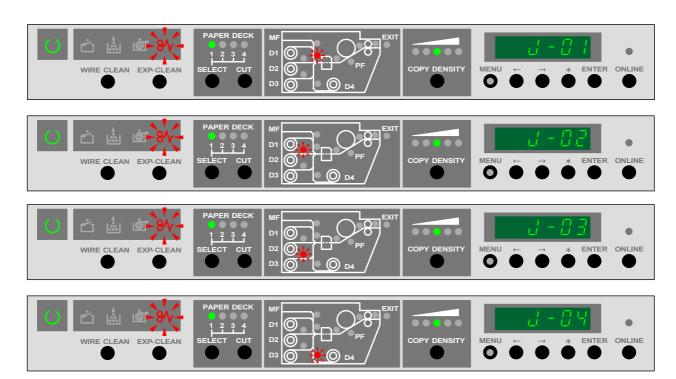
NOTE

Some sheets of media may be mis-fed simultaneously inside of KIP 9900 if mis-feed occurs during continuous printing. Check the Operation Panel after removing one mis-feed media as another mis-feed code may be indicated.



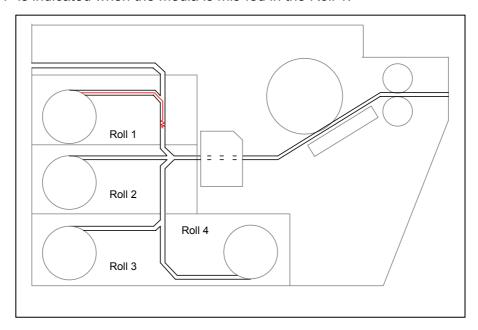
3. 1. 1 Mis-feed in Roll Decks (J-01, J-02, J-03 & J-04)

Any of J-01, J-02, J-03 and J-04 is indicated when the media is mis-fed in the media path of Roll Decks.



Mis-feed code	Location of mis-feed
J-01	Roll 1
J-02	Roll 2
J-03	Roll 3
J-04	Roll 4

Example: "J-01" is indicated when the media is mis-fed in the Roll 1.

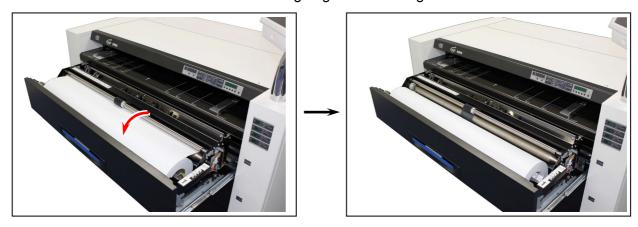


3-3

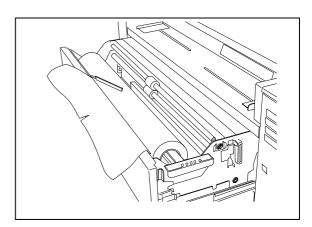
1. Draw out the concerning Roll Deck.



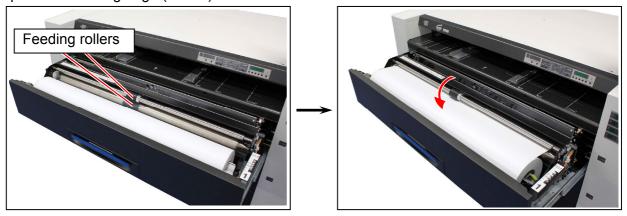
2. Rewind the roll media to release the leading edge from feeding rollers.



3. Cut off the leading edge with a cuter knife if it is so damaged. If damaged part is not cut off, it will cause the mis-feed again.



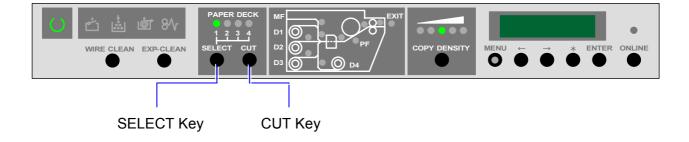
4. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.



5. Close the Roll Deck.

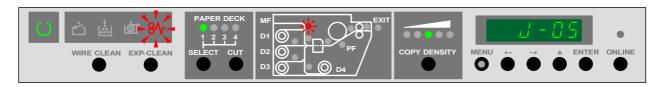


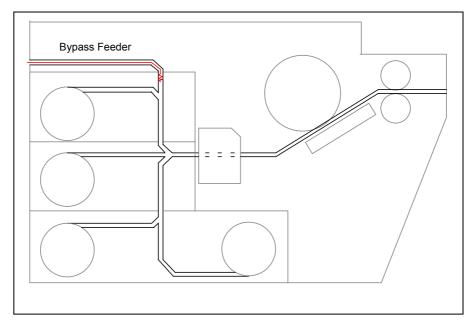
6. Select the concerning Roll pressing the SELECT Key, and press the CUT Key to take Initial Cut.



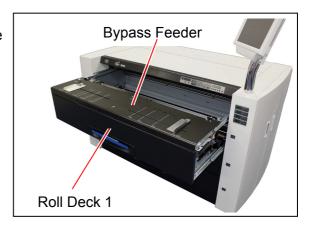
3. 1. 2 Mis-feed in the Bypass Feeder (J-05)

J-05 is indicated when the media is mis-fed in the Bypass Feeder.





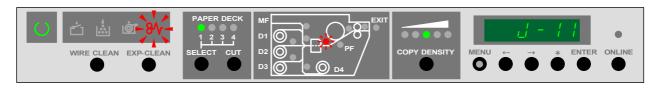
1. Draw out both the Bypass Feeder and the Roll Deck 1. Remove the mis-feed media which can be seen inside.

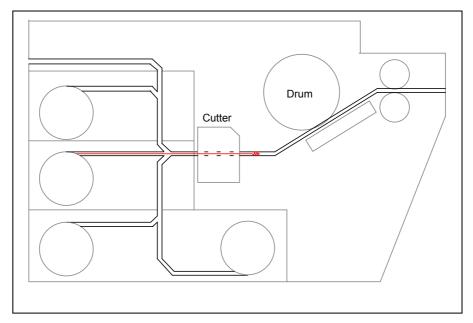


2. Close both the Bypass Feeder and the Roll Deck 1.

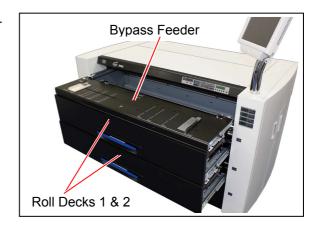
3. 1. 3 Mis-feed between Cutter and Drum (J-11)

J-11 is indicated when the media is mis-fed between Cutter and Drum,

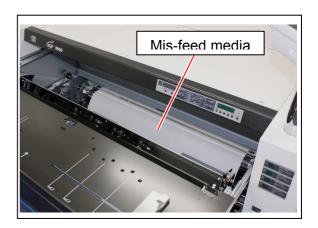




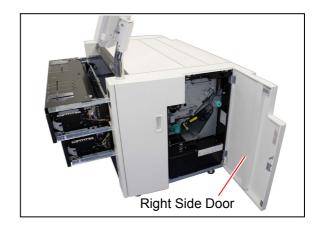
1. Draw out the Bypass Feeder, Roll Decks 1 and 2.



- 2. The mis-fed media can be seen inside. Check if it is already cut or not.
 - If already cut, remove it and go to the procedure 6.
 - If not cut yet, go to the next procedure 3 for cutting it.

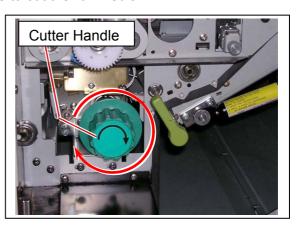


3. Open the Right Side Door.



4. Rotate the Cutter Handle for 1 revolution clockwise to cut the roll media.





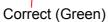
▲ NOTE

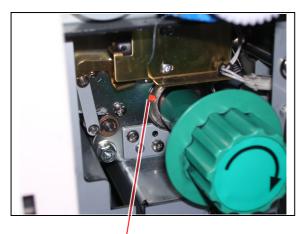
The Cutter Blade needs to be placed at its home position correctly after the above operation. After cutting the media rotating the Cutter Handle, place the green part inside of the notch. If red part is seen in the notch, the Cutter Blade is not correctly placed to its home position.

And at this time take care for the following points.

- Do not rotate the Cutter Handle counter-clockwise. It will damage the Cutter Blade.
- Do not rotate the Cutter Handle more than once. If it is rotated many times, very small paper portion will be left in the cutter unit. This will cause the error.





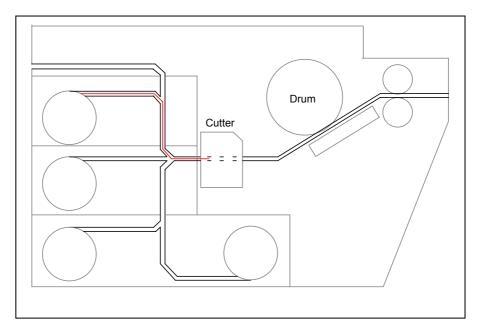


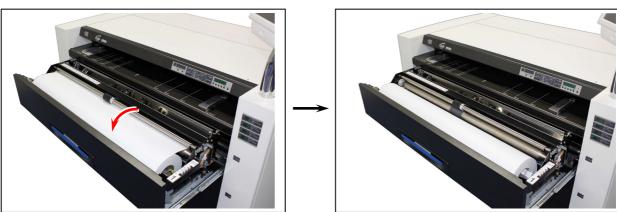
Incorrect (Red)

5. Close the Right Side Door. Then remove the mis-feed media from the front side of KIP 9900.

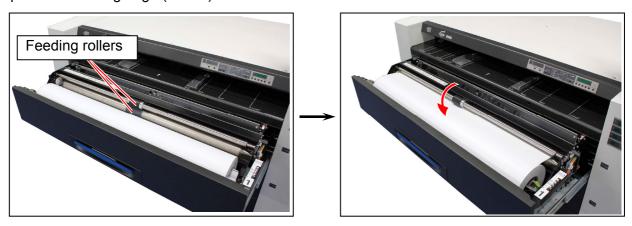


6. The leading edge of roll media is still in the Cutter Unit as the following section drawing. As this state will result in another mis-feed, the media needs to be rewound. Draw out the concerning Roll Deck and rewind its roll media.





7. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.

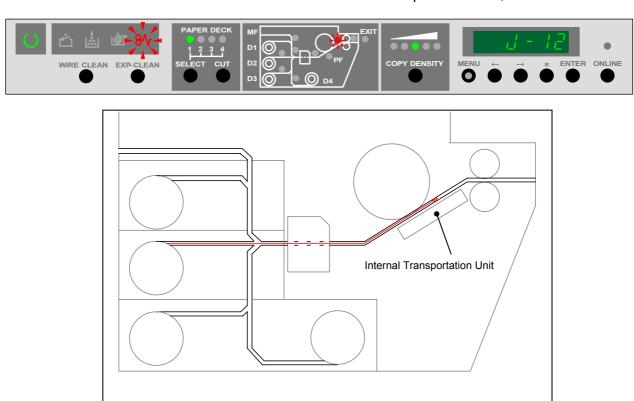


8. Close the Roll Deck finally.

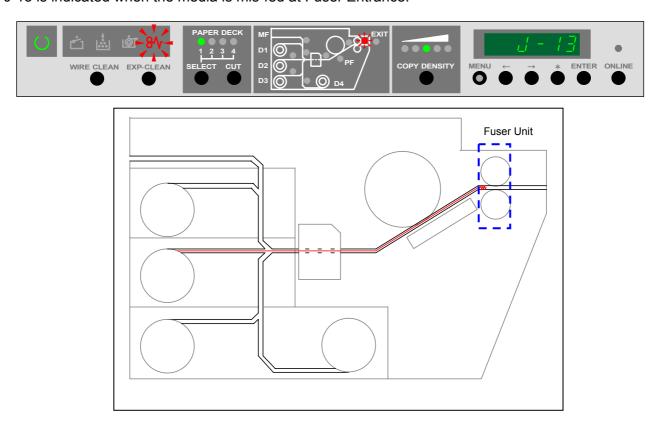


3. 1. 4 Mis-feed on Internal Transportation Unit (J-12) and Fuser Entrance (J-13)

J-12 is indicated when the media is mis-fed on the Internal Transportation Unit,



J-13 is indicated when the media is mis-fed at Fuser Entrance.

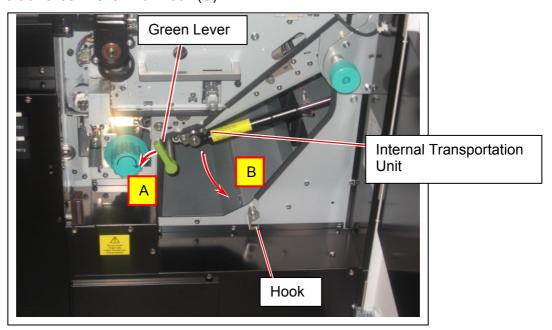


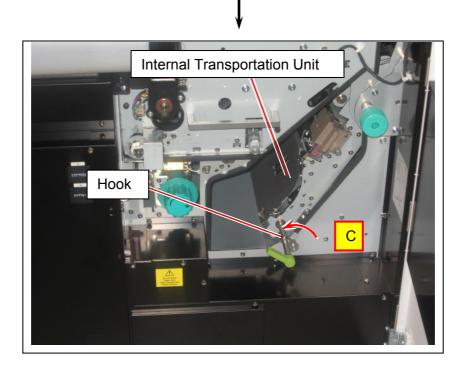
These 2 mis-feeds can be cleared in the same way.

1. Open the Right Side Door.



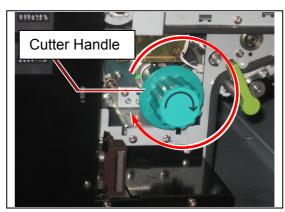
2. Twist the Green Lever to unlock (A). Move down the Internal Transportation Unit (B), and catch the shaft of Green Lever with Hook (C).





- 3. The mis-fed media can be seen inside. Check if it is already cut or not.
 - If already cut, remove it and go to the procedure 7.
 - If not cut yet, go to the next procedure 4 for cutting it.
- 4. Rotate the Cutter Handle for 1 revolution clockwise to cut the roll media.



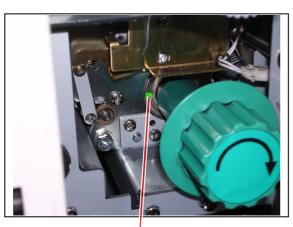


▲ NOTE

The Cutter Blade needs to be placed at its home position correctly after the above operation. After cutting the media rotating the Cutter Handle, place the green part inside of the notch. If red part is seen in the notch, the Cutter Blade is not correctly placed to its home position.

And at this time take care for the following points.

- Do not rotate the Cutter Handle counter-clockwise. It will damage the Cutter Blade.
- Do not rotate the Cutter Handle more than once. If it is rotated many times, very small paper portion will be left in the cutter unit. This will cause the error.

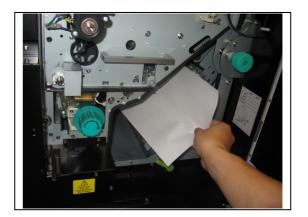




Correct (Green)

Incorrect (Red)

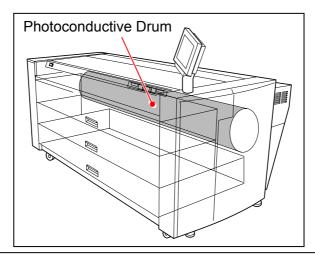
5. Remove the mis-fed media.



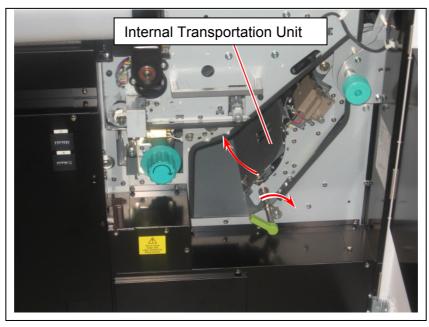
▲ NOTE

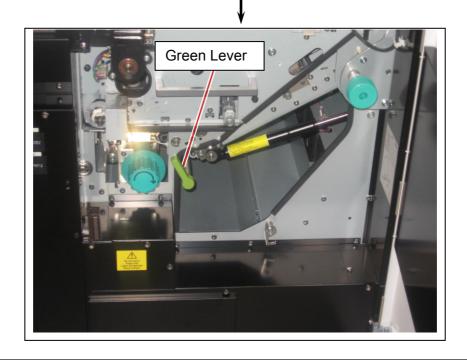
There is a large cylinder called "Photoconductive Drum" inside of KIP 9900. It is the most important part for creating the print image.

- Do not touch the Photoconductive Drum!
- Do not scratch or damage the Photoconductive Drum!
- Do not throw light into the machine as the Photoconductive Drum is very sensitive to light!



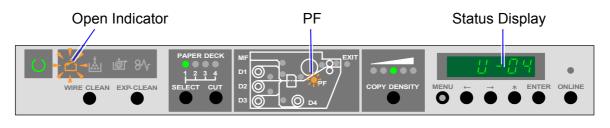
6. Set the Internal Transportation Unit gently back to its original (operation) position and lock it firmly with the lock lever.



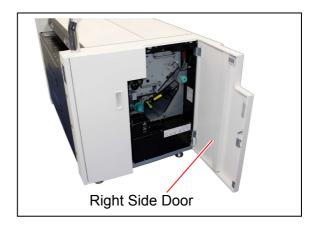




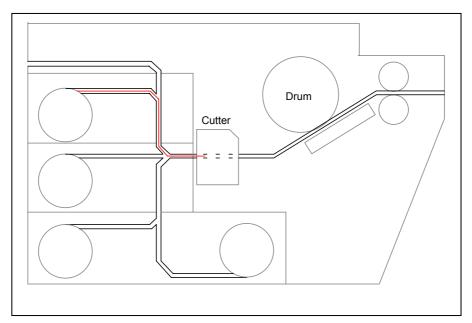
- (1) Bring up the Internal Transportation Unit gently. Otherwise the Photoconductive Drum may be damaged.
- (2) If the Internal Transportation Unit is not locked firmly, the Open Indicator and "PF" of Mis-feed Location Indicator lights orange, and the Status Display indicates "U-04". Lock the unit firmly again.

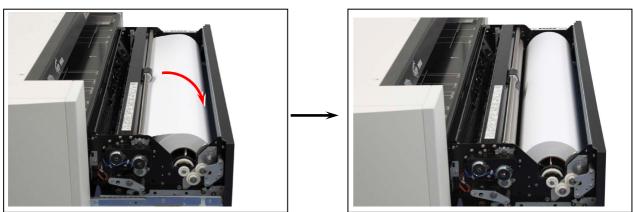


7. Close the Right Side Door.



8. The leading edge of roll media is still in the Cutter Unit as the following section drawing. As this state will result in another mis-feed, the media needs to be rewound. Draw out the concerning Roll Deck and rewind its roll media.





9. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.

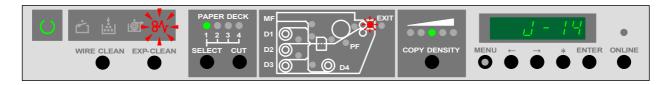


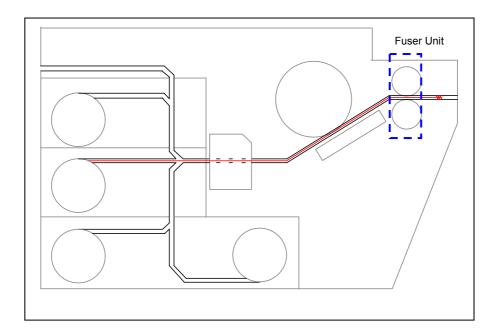
10. Close the Roll Deck.



3. 1. 5 Mis-feed in Fuser Unit (J-14)

J-14 is indicated when the media is mis-fed in the Fuser Unit,

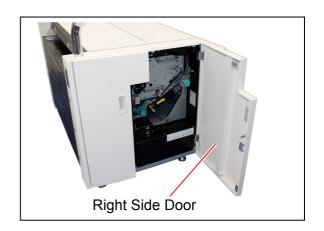




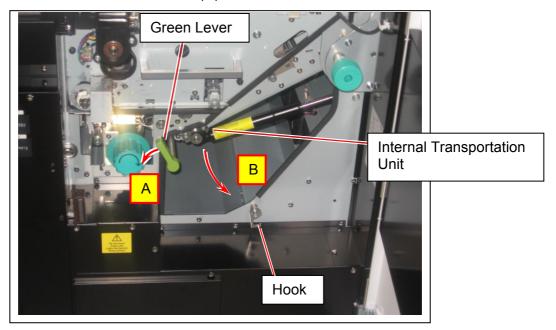
1. Open the Exit Cover.

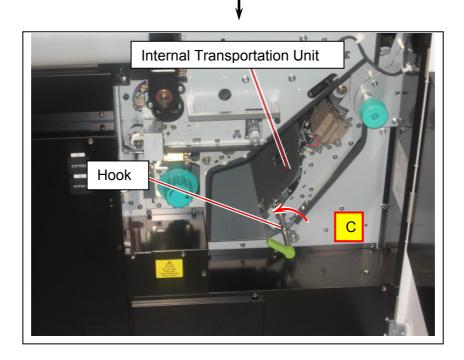


2. Open the Right Side Door.



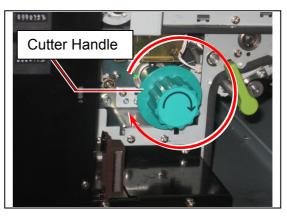
3. Twist the Green Lever to unlock (A). Move down the Internal Transportation Unit (B), and catch the shaft of Green Lever with Hook (C).





- 4. The mis-fed media can be seen inside. Check if it is already cut or not.
 - If already cut, remove it and go to the procedure 7.
 - If not cut yet, go to the next procedure 4 for cutting it.
- 5. Rotate the Cutter Handle for 1 revolution clockwise to cut the roll media.







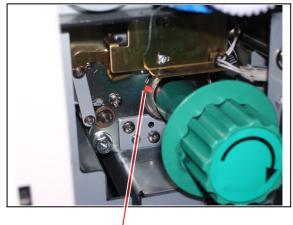
▲ NOTE

The Cutter Blade needs to be placed at its home position correctly after the above operation. After cutting the media rotating the Cutter Handle, place the green part inside of the notch. If red part is seen in the notch, the Cutter Blade is not correctly placed to its home position.

And at this time take care for the following points.

- Do not rotate the Cutter Handle counter-clockwise. It will damage the Cutter Blade.
- Do not rotate the Cutter Handle more than once. If it is rotated many times, very small paper portion will be left in the cutter unit. This will cause the error.

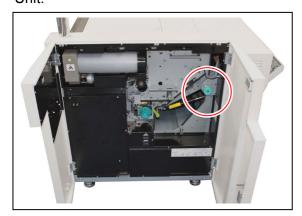


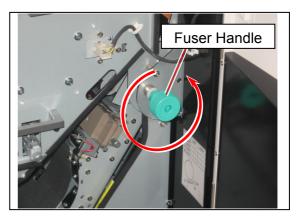


Correct (Green)

Incorrect (Red)

6. Rotate the green Fuser Handle counter-clockwise to eject the mis-feed media from the Fuser Unit.





7. Remove the mis-feed media when ejected.



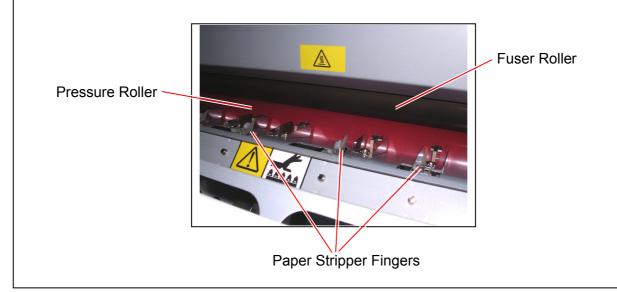


A CAUTION

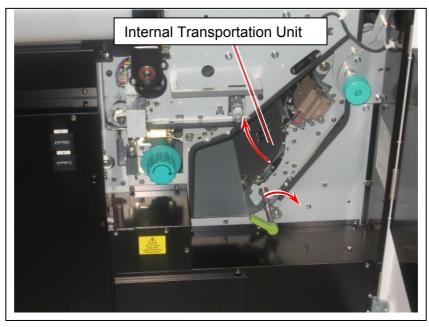
(1) There are many hot parts inside of the Exit Cover. (Fuser Roller and Pressure Roller are especially hot but other parts are as well.)

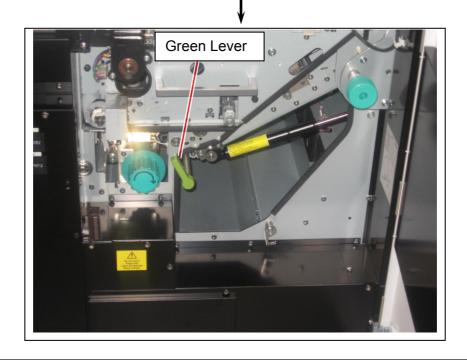
Do not touch such parts positively when removing the mis-fed media! The mis-fed media is very hot also. Take great care not to be burnt!

(2) There are Paper Stripper Fingers inside of the Exit Cover, which have very sharp tip. Do not touch them when removing the mis-fed media, or you may be harmed!



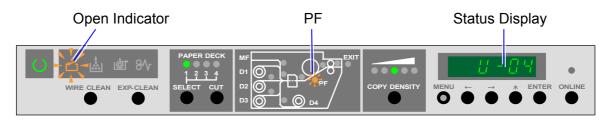
8. Set the Internal Transportation Unit gently back to its original (operation) position and lock it firmly with the lock lever.



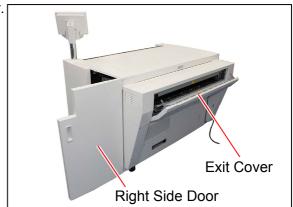




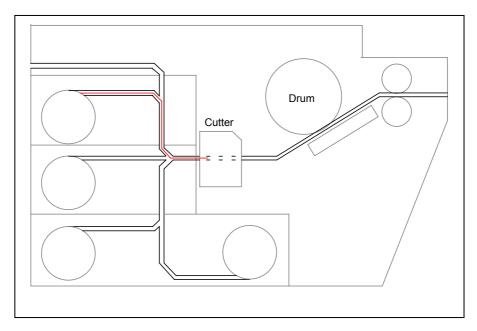
- (1) Bring up the Internal Transportation Unit gently. Otherwise the Photoconductive Drum may be damaged.
- (2) If the Internal Transportation Unit is not locked firmly, the Open Indicator and "PF" of Mis-feed Location Indicator lights orange, and the Status Display indicates "U-04". Lock the unit firmly again.

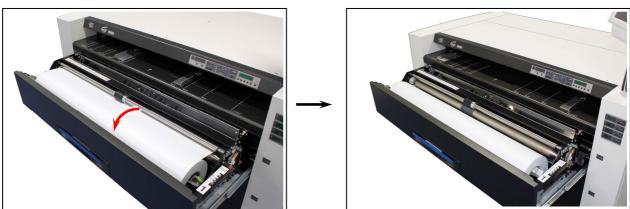


9. Close both the Right Side Door and the Exit Cover.



10. The leading edge of roll media is still in the Cutter Unit as the following section drawing. As this state will result in another mis-feed, the media needs to be rewound. Draw out the concerning Roll Deck and rewind its roll media.





11. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.



12. Close the Roll Deck.



3. 1. 6 Mis-feed in Folder (J-21)

When the media is mis-fed in the optional Folder, J-21 is indicated. See the user guide of Folder and remove the mis-fed media.

3. 1. 7 Mis-feed in Auto Stacker (J-22)

When the media is mis-fed in the optional Auto Stacker, J-22 is indicated. See the user guide of Auto Stacker and remove the mis-fed media.



NOTE

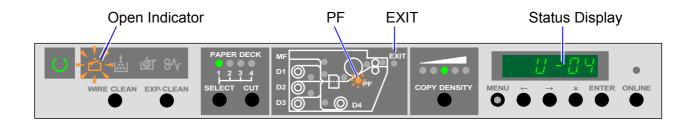
The KIP 9900 has an infrared communication system with the Auto Stacker. An improper J-22 indication might be caused by sunlight or any other source of Infrared radiation.

3. 2 Open Errors

The Open Indicator on the Operation Panel lights orange if some door or unit is open, and at the same time the Status Display indicates any open error code as "U-XX".

"PF" in the Mis-feed Location Indicator lights orange when "U-04" is indicated.

"EXIT" in the Mis-feed Location Indicator lights orange when "U-14" is indicated.



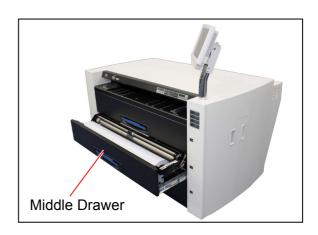
3. 2. 1 Top Drawer Open (U-01)

Top Drawer is open. Close it firmly.



3. 2. 2 Middle Drawer Open (U-02)

Middle Drawer is open. Close it firmly.



3. 2. 3 Bottom Drawer Open (U-03)

Bottom Drawer is open. Close it firmly.



3. 2. 4 Internal Transportation Unit Open (U-04)

Internal Transportation Unit is open or not locked firmly. Close it firmly.





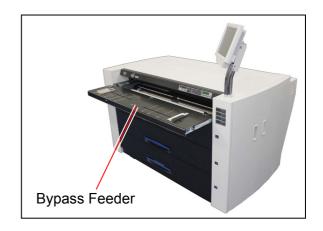
3. 2. 5 Toner Cover Open (U-06)

Toner Cover (right - front) is open. Close it firmly.



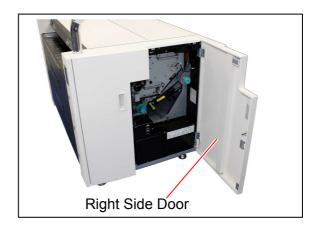
3. 2. 6 Bypass Feeder Open (U-11)

Bypass Feeder is open. Close it firmly.



3. 2. 7 Right Side Door Open (U-12)

Right Side Door (right - rear) is open. Close it firmly.



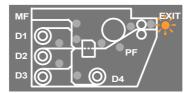
3. 2. 8 Top Rear Cover Open (U-13)

Top Rear Cover is open. Close it firmly.



3. 2. 9 Exit Cover Open (U-14)

Exit Cover is open on not locked surely. Close it firmly.





3. 2.10 Folder Door Open (U-21)

The door of optionally connected Folder is open. Close it firmly. (See the manual of Folder for the detail.)

3. 3 Toner Cartridge Error (C-01)

The Status Display indicates "C-01" if the Toner Cartridge is not installed correctly. Please try to reinstall the cartridge as noted in this user manual or try another cartridge. If the error persists, please contact the service person.



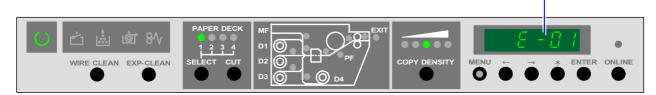
NOTE

- (1) The KIP 9900 Toner Cartridge is embedded with the IC Tag for an exclusive use on the KIP 9900. Even if the Toner Cartridge for other models is installed, the KIP 9900 does not operate with indicating an error code "C-01".
- (2) Once the Toner Cartridge become empty with the toner, the KIP 9900 recognizes its IC Tag information. The same Toner Cartridge can no more be installed onto the KIP 9900 after that. The KIP 9900 does not operate with indicating an error code "C-01" if once emptied Toner Cartridge is installed.

Service Call Errors

If the KIP 9900 has any abnormal error which the user can not fix, the Status Display indicates Service Call Errors as "E-XX". As KIP 9900 can make no more printing unless the error is cleared, call the service personnel immediately.

Status Display (E-XX)



Try to turn on/off the KIP 9900 before calling for the service as sometimes the error can be cleared. If "E-XX" is indicated again, turn off and unplug the KIP 9900, and call the service personnel immediately with informing him which of the following error codes is indicated.

Error codes	Error
E-01	Fuser temperature rising error
E-02	Abnormal fuser temperature
E-05	Drum motor error
E-06	Counter A / B error
E-07	Cutter motor error
E-09	Web End Error
E-13	Paper feed motor error
E-14	Fuser motor error
E-16	Wire cleaning motor error
E-21	Fuser thermostat error
E-23	LED head cleaning motor error
E-26	Surface Potential Control Error
E-27	Density Sensor Error
E-28	Density Control Error
E-30	Developer Disconnection Error
E-43	RFID (IC Tag) Error
E-49	Developer pusher motor error
E-F0	Folder Error
E-Fb	Flash ROM Error



A NOTE

If E-26 or E-28 is indicated, it may be possible to clear it temporarily by easing the error check level in the User Modes. See the following each pages.

[2.8.13 User Mode D (Error check level for E-26 error)] on page 2-66 [2.8.14 User Mode E (Error check level for E-28 error)] on page 2-69

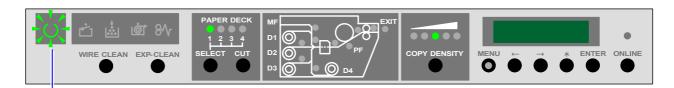
3. 5 Interruption of Print by Temperature Control

Sometimes the KIP 9900 may not start printing soon even if print/copy job has been submitted from the outer device. After having some interval, then the KIP 9900 will start printing in such case. Or the KIP 9900 may suddenly stop printing in the middle of large volume of continuous printing. After having some interval similarly, the KIP 9900 will restart printing.

These 2 operations are not error but a correct operation to adjust the temperature of Fuser. The Ready Indicator flashes in the interval, and the KIP 9900 is changing the temperature to appropriate level during this period. This operation will possibly occur in these 3 cases.

- When media type is changed
- When making a large volume of continuous printing
- When in a very cold environment

Just wait until the KIP 9900 finishes adjusting the temperature to proper level. It automatically starts printing when adjustment is finished.



Ready Indicator flashes.



A NOTE

If the above mentioned cases occur very frequently, check the followings.

- Printing media (More temperature is lost if thicker media is used, so the interval may be required for recovering enough temperature.)
- Input voltage (If the input voltage is lower than requirement, the fuser unit may not be able to keep required temperature. Interval for recovering the temperature will be required.)
- Temperature of room air (If the room air is very cold, the fuser unit may not be able to keep required temperature. Interval for recovering the temperature will be required.)

3.6 Maintenance

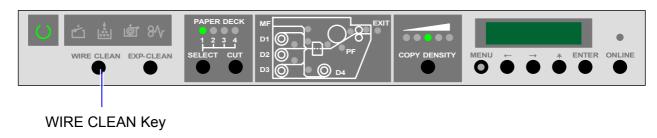
KIP 9900 has self-cleaning functions for avoiding defective image. Please take cleaning when defective image is printed out.

3. 6. 1 Cleaning the Image Corona

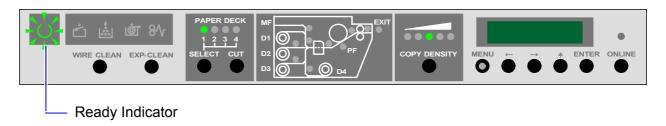
Sometimes unclear gray lines in 1-3mm thick may run vertically on the printout as the following example. This defective image is possibly caused by the dirt of Image Corona, and may be fixed if cleaning is performed.



1. Press the WIRE CLEAN Key on the Operation Panel.

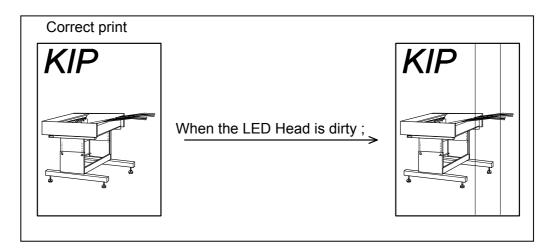


2. Cleaning is started, and the Ready Indicator flashes during the cleaning. It will take about 2 minutes for cleaning. The Ready Indicator stops flashing when cleaning is finished.

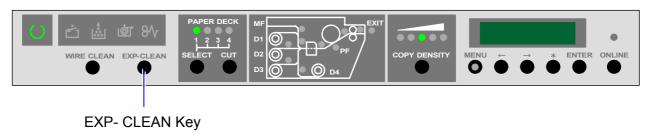


3. 6. 2 Cleaning the LED Head

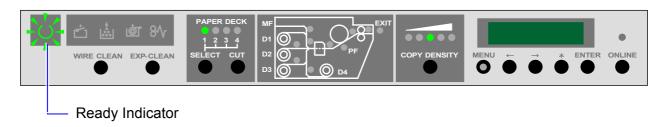
Sometimes a clear black thin line may run vertically on the printout as the following example. This defective image is possibly caused by the dirt of LED Head, and may be fixed if cleaning is performed.



1. Press the EXP-CLEAN Key on the Operation Panel.



2. Cleaning is started, and the Ready Indicator flashes during the cleaning. It will take about 2 minutes for the cleaning. The Ready Indicator stops flashing when cleaning is finished.



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