



Integrated Stenograph

Operation Manual

Applicable for

VR-4345S / VR-3325S / VR-2335S

Preface

First of all, thanks for purchasing our machine.

The Manual records the operation method of machine and notices for use. To use the machine safely, easily and efficiently, please read the Operation Manual before using the machine.

Description of symbols in Operation Manual

 **Warning** Operation regardless of warning may lead to death or serious injury.

 **Caution** Improper operation regardless of notice may lead to personal injury or property loss.

 The symbol represents [Prohibitions], which will represent or illustrate specific prohibited contents in Fig. or article.



 The symbol represents [behavioral norms] and [indicated contents], which will represent or illustrate specific [behavioral norms] and [indicated contents] in Fig. or article.



Check  Record reference page / Item of Operation Manual.



Record reminders.



Record necessary notices and paper feeding notices.



Represent display picture of display screen. (For easy reading, font color may be different with realistic color)

Permits and Prohibitions

- Contents of the article can not be reproduced without consent.
- Information of the article may be changed without prior notice.
- The article will record detailed operating instructions, please contact us in case of having unknown, mistaken and missed contents.
- Our company is not responsible for loss caused by improper operation or machine characteristics (failure and natural loss).
- Contents of the article may be changed due to change and modification of the machine. The machine may have some differences with your actual machine, sorry for the inconvenience.

Table of Contents

Notices for operation 1

To use the machine safely and rightly, please be sure to read the Manual before use.

Energy saving model 9

Setting of passwords 12

On confirmation of total number of paper 15

Notices mastered before use of machine 16

Before the machine is used, it is very important for customers to understand the service conditions, environment, general notices and names & functions of each component through reading the Manual.

- Installation environment and notices of the machine 17
- On originals 17
- On printing paper 18
- On paper storage 19
- On page margin 19
- Daily management of machine 20
- Prohibit copying / printing 21
- Machine model and name of each part and its functions 23
- Name and functions of each part 29
- Operation setting picture 31

Basic printing operation 32

Preparations, basic operation methods and operation process before printing

- Printing preparation 33
- Basic printing method 40

Various printing function 46

Use method of input of printing number, printing concentration and zooming functions.

- Input of printing number 47
- Printing position adjustment 50
- Printing speed adjustment 53
- Printing concentration adjustment 54
- Original background color removal function 59
- Select mode conforming to originals 61
- Zooming of originals 63
- Proof printing number setting 66

Special printing function 68

Two-in-one function, ink saving function, seldom-used functions and functions unrelated to direct printing.

- Two-in-one function 68
- Master making of books and magazines 72
- Ink saving mode 75
- Quick ink outlet function 76

Replacement of consumables (Ink and Master) 78

Waste Master Treatment method 86

Method of taking out and mounting drum 88

Online printing function 90

- Installation sequence of digital duplicator driver ... 91
- Initial setting of digital duplicator driver 103
- Network printing function 106
- LAN/USB online printing 117
- USB memory printing 120

Common faults 126

When machine is failed or in bad condition, customers should deal with it according to the manual.

Presentation of information during printing 136

The display screen display fault information and corresponding solutions

Appendix 142

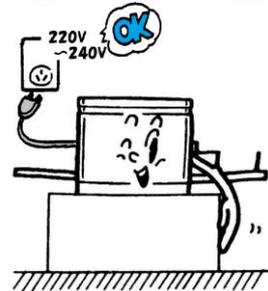
Daily maintenance and consumables change method of the machine

- Simple daily maintenance 142
- Technical specification 143

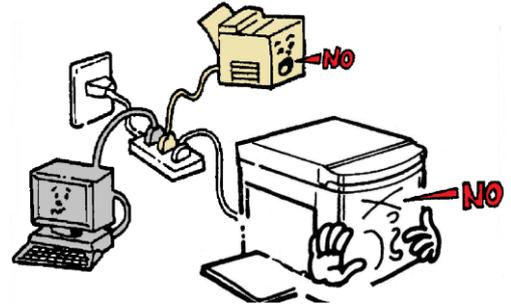
Safe Use Manual

Warning

Power supply: use AC power supply/domestic power supply(AC 220V~240V). Do not use unregulated power supply.
Use of unregulated power supply may lead to electric shock and fire hazard accidents.



Please use independent socket.
Do not share socket with high power appliances like duplicator/printer/microwave oven.
Sharing public socket with other machines may lead to fire hazards, electric shock and power outage.

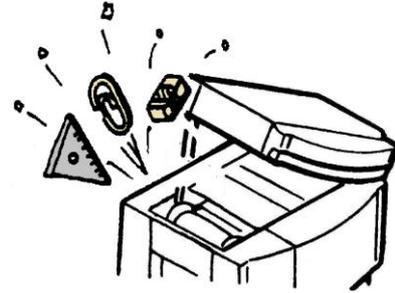


Do not put vessel filled with liquid on the machine.
If the vessel turns over, liquid in vessel may enter the machine to cause fire hazards and electric shock accidents.

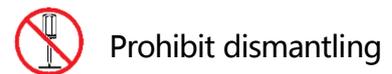


Warning

Please do not drop sheetmetal (like clip and staple) and combustibles in the machine, or fire hazards and electric shock accidents will be caused.

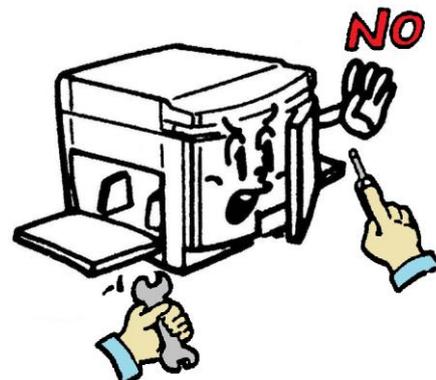


Please do not dismantle the outer cover of the machine.
High-pressure, high-temperature, sharp and rotating members in the machine may lead to scratches and electric shock accidents.



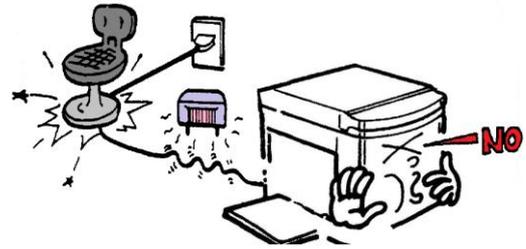
· Please do not modify the machine and replace components without permission.
Unauthorized operation may lead to fire hazards and electric shock accidents.

※ Exclude replacement of consumables.

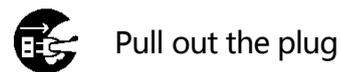


Warning

Do not use scratched and modified power cord. Furthermore, do not step on, press, hale and scratches power cord to avoid fire hazards and electric shock accidents.

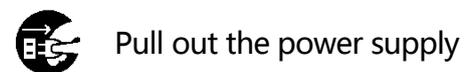


If the machine has abnormal high temperature, smoke and peculiar smell, fire hazards or electric shock accidents may be caused, please directly pull out the power supply in this case, and then contact with Supplier or After-sales Department.



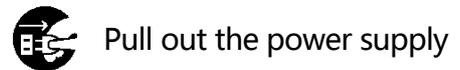
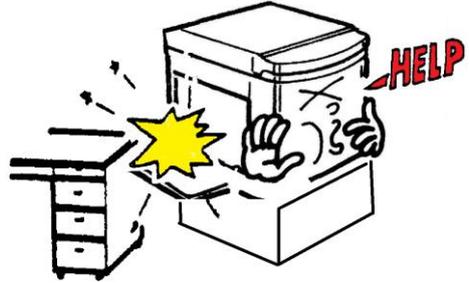
If sundries (metal, water and liquid) drop into the machine, first, turn off the switch, pull out the power supply, and contact with the Supplier or After-sales Department.

If the machine is directly used without taking measures, it may lead to fire hazards and electric shock accidents.



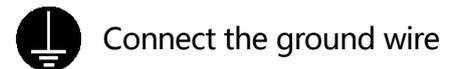
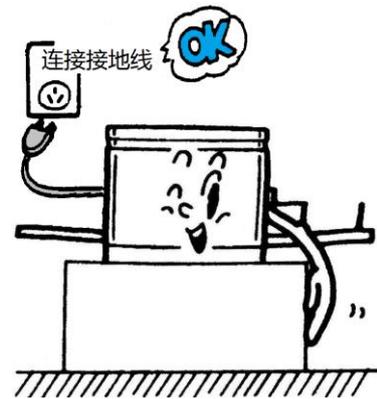
Warning

If the machine slides down and its outer cover is damaged, first turn off the switch, pull out the power supply, and then contact with the Supplier or the After-sales Department.
If the machine is directly used without taking measures, it may lead to fire hazards and electric shock accidents.



The machine must be connected with ground wire.
Please use special power cord attached with the machine, and then use triangle socket for connection.
Electric leakage may lead to fire hazards and electric shock accidents.

(Contact of gas pipe line and water pipe is prohibited).

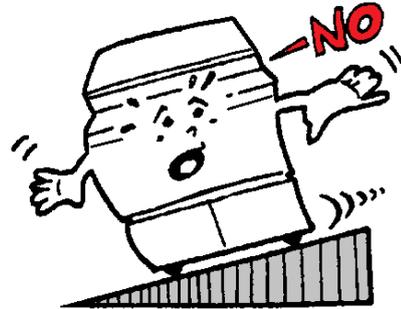


Please do not pull out and insert plug by wet hand, or fire hazards and electric shock accidents may be caused.



Caution

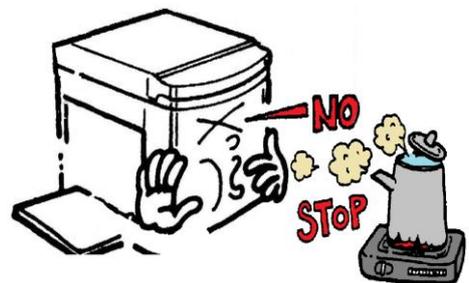
Please put the machine on hard horizontal plane, or the machine may drop to lead to personnel injury or influence its normal use.



Please do not put the machine near the volatile combustible or in damp, dusty and easily-vibrated places, or fire hazards and electric shock accidents will be caused.



Please do not put the machine near cooking utensils and humidifier to prevent entrance of cooking fumes and fog, or fire hazards and electric shock accidents will be caused.

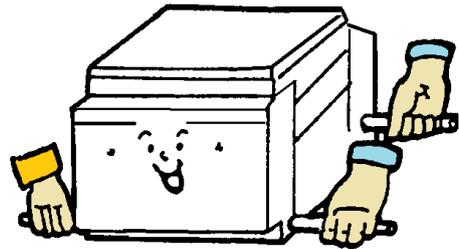


Caution

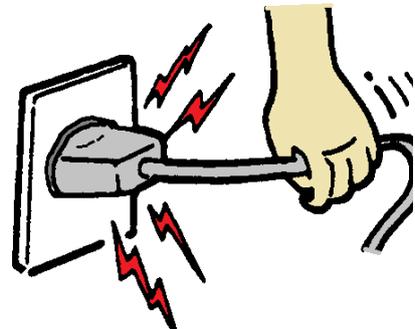
Please do not put articles around the machine. If objects slide down, personnel injury and damage of machine may be caused, and furthermore, machine fault may be caused.



Please first power off and disconnect the plug when moving the machine, and put away the operation parts (external connection/online). At least two persons should hold the handle and horizontally move the machine. Furthermore, when the machine is moved by special station, first determine the conditions (step and bulge) of moving route, and then move the machine, or fire hazards, electric shock and ink leaking accidents will be caused.



When the power plug is unplugged, first switch off the power supply and then hold the plug and unplug it. In case of holding the power cord to unplug the plug, internal electrical wire of power cord may be broken or exposed to cause fire hazards or electric shock accidents. Furthermore, in case of unplugging the plug without switching off the power supply, machine fault may be caused.



Caution

Ink will be used when the machine is working. When the machine is failed, maintained and repaired, ink may make your clothes and skin dirty, please try to avoid such events.

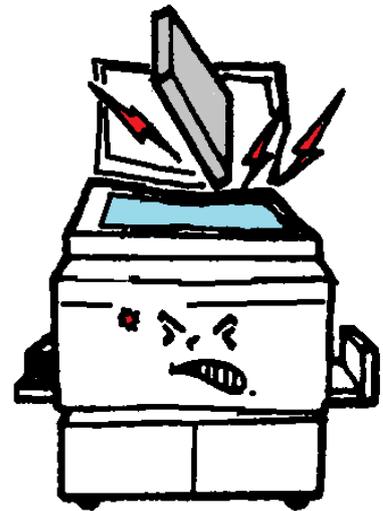
Original table is made of glass.

Please pay attention to the following matters in use:
When originals are heavier like books and magazines, please put the originals on the original table gently.

If originals are put on the original table violently, the original table may be broken to cause personnel injury. Please do not concentrate your strength on the scanning table by one point, or the original table may be broken to lead to personnel injury.

Please do not drop objects on the original table, or the original table may be damaged to lead to personnel injury.

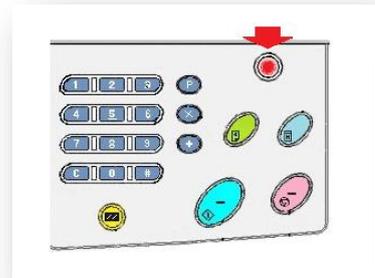
When originals should be pressed, please do not concentrate your strength greatly, or the original table may be broken to lead to personnel injury.



Since paper powder flies out when paper is fed (when the machine is used to feed paper at high speed), the machine and its surrounding may be polluted. Please use the machine in ventilation condition.

Energy saving mode

When the machine is not operated in a certain time after startup, it may enter energy-saving mode. There are two energy-saving modes: first, the display screen is black [1. Sleep mode] in the power-on state; second, the power supply is automatically cut off [2. Automatic off mode].



[2. Automatic off mode] is optional function for the machine, not standard.

1 . Sleep Mode

If sleep mode has been set, after the machine is powered on, if it is not operated for long term after final printing work is completed, the machine will start energy-saving mode, and the energy-saving indicator lamp is on. At the same time, other indicator lamps and display screen are automatically off. When the machine is used again, if energy-saving key is directly pressed, the machine stops sleep state.



Time of sleep mode can be adjusted from 1 minute to 60 minutes, and the time is united by one minute and can be freely set. Factory setting of time is [10].

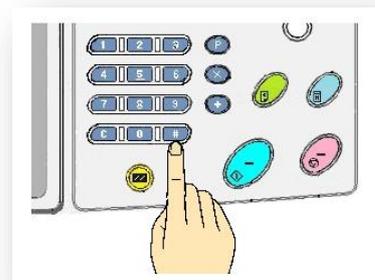
Time setting of sleep mode

i) Press [#] key on panel under power-on state.

※ Display picture changes to [Setting menu].



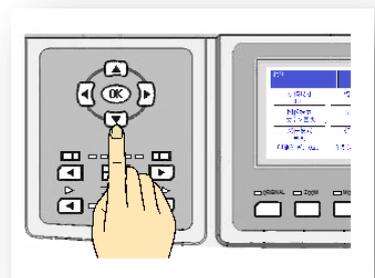
The setting is available only under printing state.
(Under the condition of no error message representation)



ii) Use [Cursor moving key 【▼】] to move ● mark to setting item selected.

※ Operation portion is on the left of the control panel

※ The third item from top to bottom is [Sleep mode time setting]. Continue to press 【▼】 key for twice



iii) Use number key to input time to be set.

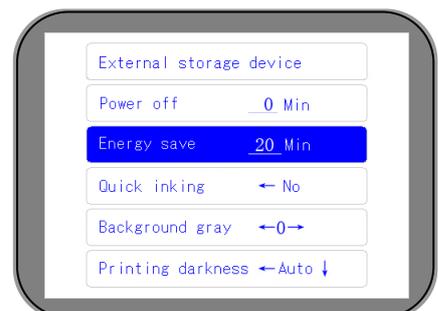
※ It is ok to input [2] [0] when the time is set to 20 minutes.



Time is set to [0] when the function is not used.



Input numbers accurately in turn.



iv) Press [OK] key to complete time setting.

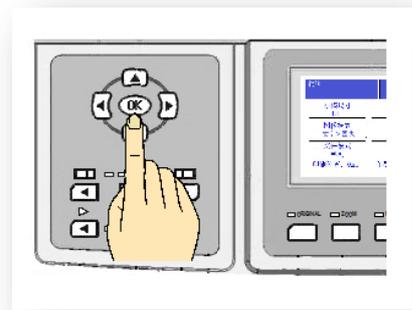
※ The machine returns to basic picture.

 When the machine is working printing, only [Sleep mode indicator lamp] is on.

 Press [Sleep mode indicator lamp] under sleep mode, the machine will go back to the basic picture

 If panel lamp and [Sleep mode indicator lamp] both are on, which means the machine is under [Auto shut down]

 When the machine is under sleep mode, it still can receive the online data.



2 . Automatic shutdown (Optional function)

If the machine starts automatic shutdown function and it is not operated for a certain time under power-on state after the last operation, the machine will start automatic shutdown function, and will be automatically powered off.

But if the machine displays fault information or receives online data, it cannot start automatic shutdown function

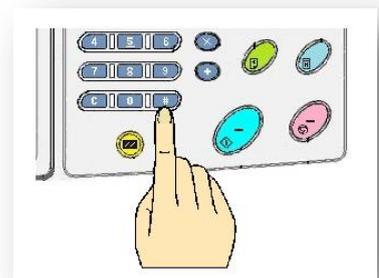
 Time of shutdown mode can be adjusted from 1 minute to 60 minutes, and the time is united by one minute and can be freely set. Factory setting is [0=nonuse].

Time setting of automatic shutdown mode

i) Press [#] key on panel under power-on state.

※ Display picture changes to [Setting menu].

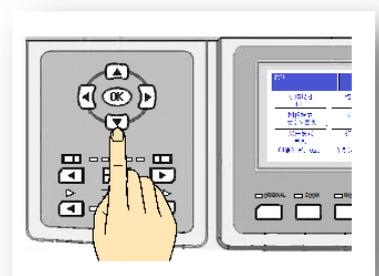
 The setting is available only under printing state.
(Under the condition of no error message representation)



ii) Use [Cursor moving key 【▼】] to move

※ Operation portion is on the left side of control panel

※ The second item from top to bottom is [Automatic shutdown time setting] .Press 【▼】 key twice

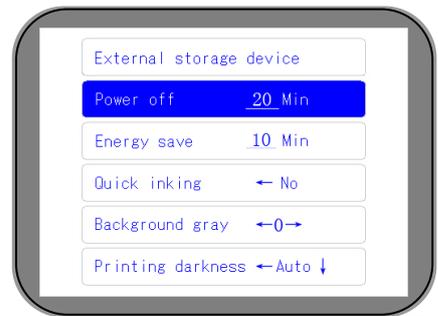


iii) Use number key to input time to be set

※ It is ok to input [2] [0] when the time is set to 20 minutes

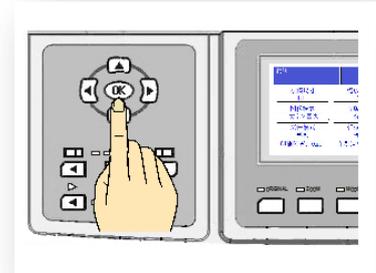
 Time is set to [0] when the function is not used.

 Input numbers accurately in turn.



iv) Press [OK] key to complete time setting.

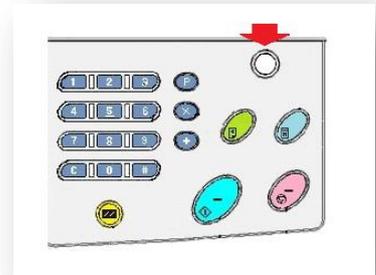
※ The machine returns to basic picture.



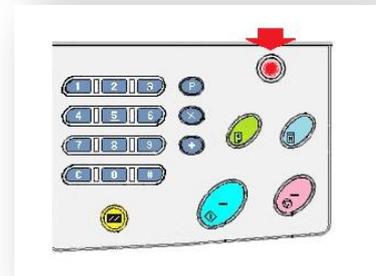
Setting method of automatic shutdown mode

i) Press [Energy-saving] key on panel under power-on state.

 The setting is available only under printing state.
(Under the condition of no error message representation)



ii) [Setting indicator lamp] is red lamp. When the lamp is on, it represents setting is completed.



 When there is no automatic shutdown time setting and setting time is [0], the function can not be started even if the button is pressed

 When fault information is prompted during printing process, the function can not be started even if the [Energy-saving] key is pressed.

 When the machine is used for printing, by pressing the stop key, the machine returns to basic picture (no fault information representation). When setting time reaches [Automatic shutdown] setting time, the machine will be automatically powered off, and unprinted remaining pages will be cleared. When terminating printing and leaving the machine, by pressing [Auto shut down] and [energy-saving] for a second time, indicator is off, and [Automatic shutdown function] is canceled.

 [Sleep mode function] and [Energy saving mode function] can be simultaneously used, the one with short setting time will be first.

Setting of passwords

When the machine is used and it is necessary to leave the machine after terminating printing, in order to prevent external personnel from using the machine, the machine can be protected through inputting passwords by user.

Setting of passwords

i) Press [#] key on panel under power-on state.

※ Display picture changes to [Setting menu].



The setting is available only under printing state.

(Under the condition of no error message representation)

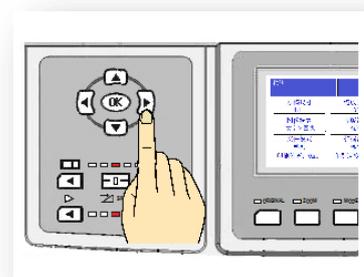
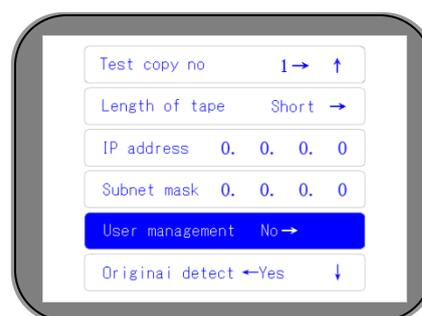
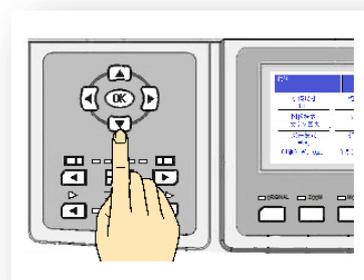
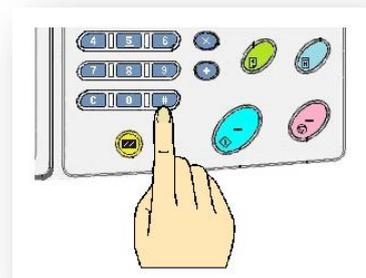
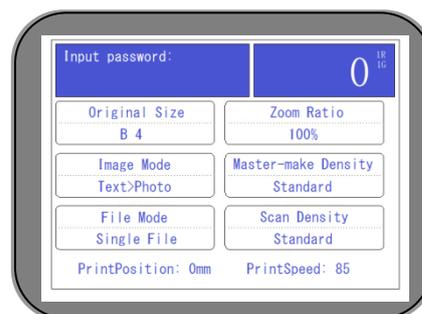
ii) Use [Cursor moving button [▼]] to move ● mark to setting item selected.

※ Operation portion is on the left side of panel

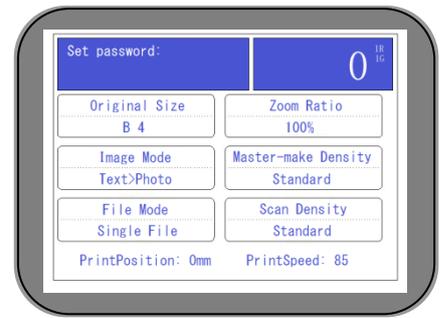
iii) Item selection setting covers three pages. Password setting item is in the second page. Continue to press [▼] key to jump to the second page. The fifth item from top to bottom in the second page is [User administration] setting item.

※ Display [No] in case of no password setting

iv) Press [Cursor moving button [▶]]



v) The page expression portion will display [Set passwords] information.



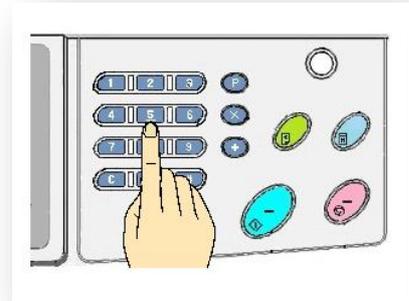
vi) Use numeric keys to input any 4 numbers.



The first number can not be [0]

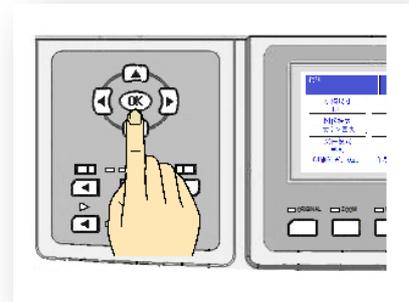


Accurately input numbers in turn.



vii) Press **【OK】** to confirm the setting

※ The machine returns to basic picture.



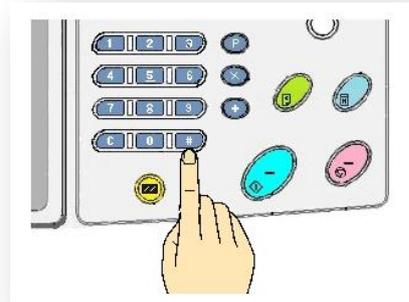
Cancel setting of passwords

i) Press [Setting] button on panel under power-on state

※ Display picture changes to [Setting menu]

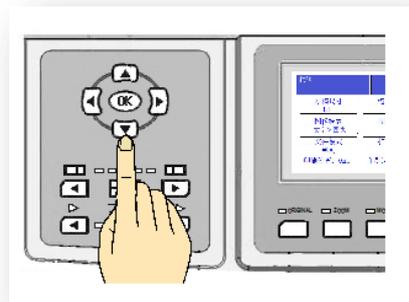


The setting is available only under printing state.
(Under the condition of no error message representation)



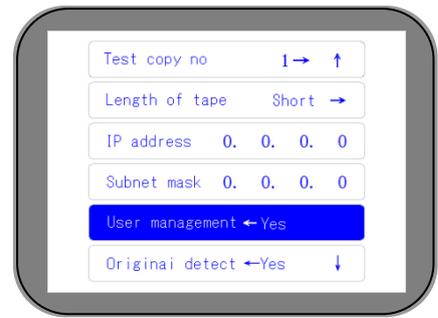
ii) Use [Cursor moving button **【▼】**] to move ● mark to setting item selected.

※ Operation portion is on the left of the panel

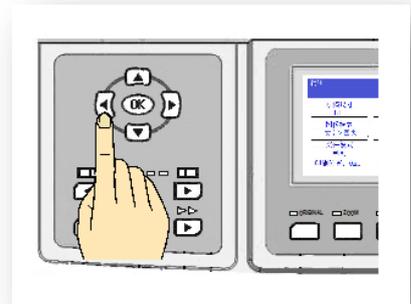


iii) Item selection setting covers two pages. Password setting item is in the second page. Continue to press [▼] key to jump to the second page. The fifth item from top to bottom in the second page is [User administration] setting item.

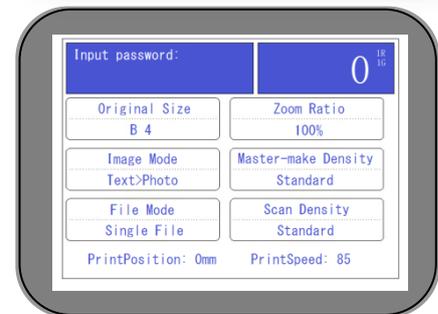
※ Display [Yes] during setting of passwords.



iv) Press [Cursor moving button [◀]].



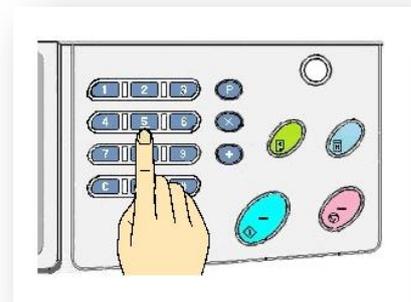
v) The page expression portion will display [Input password]



vi) Use numeric keys to input setted passwords.

 If wrong passwords are input, password setting can not be canceled.

 Accurately input numbers in turn.

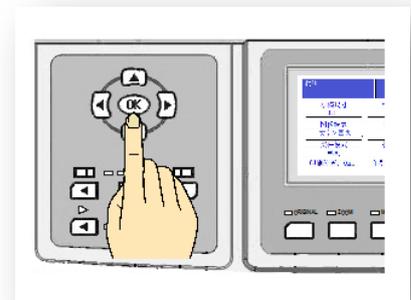


vii) By pressing [OK] button, passwords are relieved.

※ Display picture returns to basic picture.

 If there are password protection functions, when lamp of main display screen is off or the machine is just started, it is required to input passwords in the machine. (When the machine is started to start open saving mode)

 If users forget passwords, please contact agents or After-sales Department.

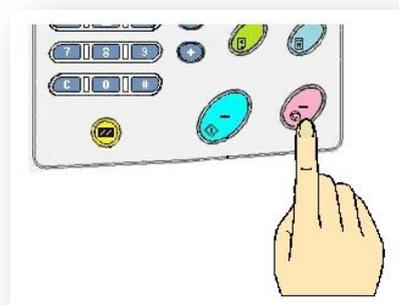


Main counting and display functions

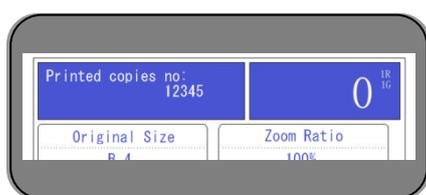
Total printed numbers and total master making numbers are used as the standard of repairing machine and replacing machine components, and engineering quantity can be judged after the machine is installed.

Confirmation method

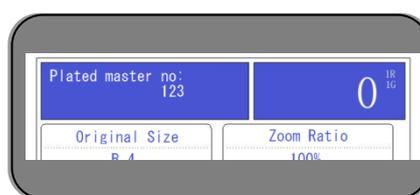
- When the machine displays basic picture
- Long press stop button.



When the button is long pressed, after the machine is set, current printed number and master making number will appear alternatively.



Printed number



Master making number

 VR-2235S / 3325S machine, if the original is input on the plate, the one already put inside will be rejected

 Number expression position is [0], but if the machine is stopped when number is input or during printing, please confirm the item.

Notices before use

The part mainly introduces the service environment, conditions and general notices of the machine. Please carefully read important notices before use, like name and function of each part.

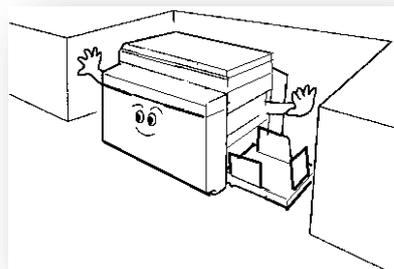
• Installation environment and notices of the machine	17
• On original	17
• On printing paper	18
• On paper storage	19
• On page margin	19
• Daily management of machine	20
• Prohibit copying/printing	21
• Name of each part and its functions	23
(by machine model)	
• Name and function of keys of operation panel	29
• Operation setting picture	31

Installation environment and notices of the machine

To use the machine safely, please pay attention to operation of machine / replacement of consumables / maintenance, and make sure the machine is installed on horizontal plane.

The following environments have potential safety hazards and are easy to lead to fault of machine, please do not install the machine in the following environments.

In a place exposed to direct sunlight;
Air conditioner / vents / humidifier and other vents;
High-temperature and high-humid / low-temperature and low-humid places;
(Range of application: temperature 10°C~30°C / humidity 20%~90% = no dew)
Near volatile and combustible matters and in damp / dusty / multi-vibration place;
Place with magnetic field; Place with loose ground; Unstable place; and rough place.



On Original

Check  Installation method of original (Page 38 ~)

Range of available paper is shown as follows:

Maximum size : about 297mm × 420mm

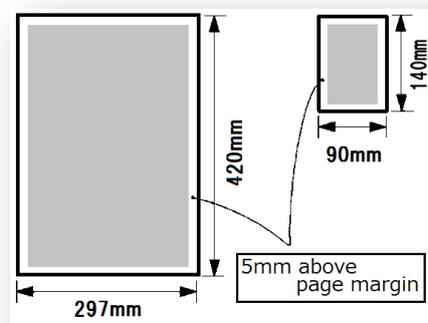
Minimum size : about 90mm × 140mm

 When other specifications of paper are used, the sizes of originals can not be automatically recognized, but master making is available.

· When the original is a book (for VR-4345S)

Weight: max. 10kg · Thickness: max. 6cm

-  Make sure originals have 5mm above page margins. If page margin is insufficient, reading of originals will be failed, one part of originals can not be printed, and paper will be jammed.
-  The maximum printing area is 250mm×358mm (B4 reference). When originals are above reference and can be read by actual size ratio, although they can be read successfully, they can't be completely printed. Please use the function of reducing master making in this case.
-  Although the page margin of the original is regulated to be more than 5mm, standard originals can be not printed successfully. Therefore, there are also many influencing factors, e.g. front fonts of originals are thicker and quality of paper used is bad, they are print failure influencing factors.
-  When writing of original is lighter, background of originals is darker or writing can be only read by eyes but not machine, there will be printing failure phenomenon.
-  During the paper feeding, if the paper is too thin, it may not be passed smoothly. Please take off the clip and staple before the original is put inside of the feeder.



When the following originals are used, please rightly use pantograph function for adjustment.

- Originals bigger than 297mm × 420mm = zoom out
- Original smaller than 90mm × 140mm = enlarge
- Thicker originals · Heavier originals



Conventional original size (Paper consumption)

A3	/ 297mm × 420mm
8K	/ 260mm × 370mm
B4	/ 257mm × 364mm
A4	/ 210mm × 297mm
16K	/ 195mm × 270mm
16K (Book)	/ 185mm × 260mm
B5	/ 182mm × 257mm
A5	/ 148mm × 210mm
Post card	/ 148mm × 100mm

On printing paper

Paper which can be used in the machine is shown as follows.

Paper characteristics

- Regular paper / thin paper (40K) ~ thick paper (128K)
- Recycled paper / regular paper
- Copy paper / about 40K~128K
- Post card, etc.



Unworkable printing paper

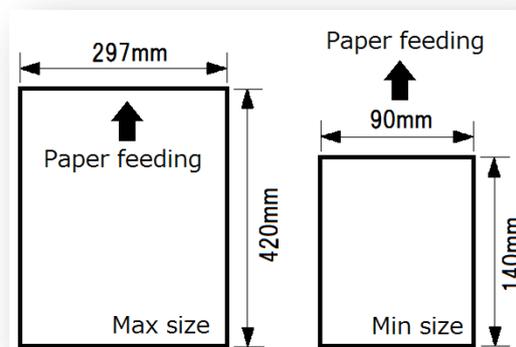
- Glossy paper (with colored paper)
- Lint paper (paper making, half paper)
- Pasted thick paper
- Paper with bad cutting side/incision (bad cutting)
- Paper seriously deformed by squeezing

Paper size

- Max./ 297mm × 420mm (A3)
- Min./ 90mm × 140mm (Post card)

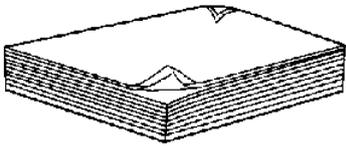
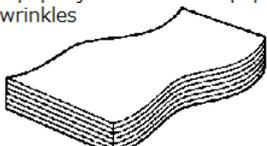
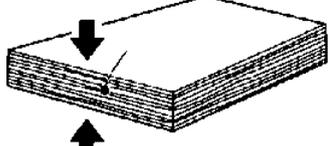
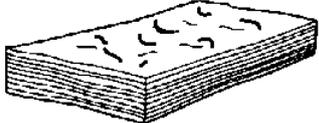
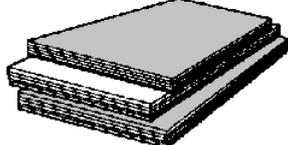
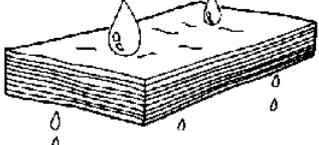


Maximum printing area is B4 paper area.



On paper storage

Please do not use the following paper, because using of the following paper may lead to fault.

<p>Bent of front end of paper is easy to cause paper jam</p> <p>Double paper inlet and wrinkles</p>  <p>Take out front bent</p>	<p>Paper is bent and deformed</p> <p>Paper is easy to be rolled on drum. Unfavorable paper arrangement will cause paper jam and double paper inlet and wrinkles</p>  <p>Pay attention to storage environment, and keep the bending sides facedown when in use</p>	<p>Cutting surfaces bonded together to cause paper jam</p> <p>Double paper inlet</p>  <p>Shake paper before use</p>
<p>Uneven paper surface is easy to cause paper jam</p> <p>Double paper inlet and wrinkles</p>  <p>Take out uneven paper</p>	<p>Different paper sizes are each to cause paper jam</p> <p>Unfavorable paper arrangement</p>  <p>Improve paper quality and size consistency management</p>	<p>Wet paper is easy to cause unfavorable paper arrangement / wrinkles</p>  <p>Do not put paper in wet place Do not put it on ground directly</p>

- Store paper in dry environment. Dampness of paper is easy to cause [Paper jam], [Poor printing] and other problems.
- Unused paper should be packed by wrapping paper and stored in dry environment.
- Store paper on horizontal plate.
- If paper tied by rope has tying marks, please do not use it any longer.

On page margin

Professional printing ink used in the machine has stronger bond, and paper will be pasted on drum by its bond. Therefore, to guarantee successful printing, it is necessary to leave a certain page margin on the original in paper feeding direction particularly.



 To guarantee successful printing, it is better to leave [10mm above] page margin.

Check  On originals (Page 17)
On printing paper (Page 18)
[When paper rolls are used on drum] (Page 133 / 137)

Daily management of machine

-Please do not put weights on the machine, and do not impact the machine.

- Please do not put bottle and cup filled with water on the machine, once water enters the machine, the insulation effect of the machine will get worse.

- Please do not drop sheet metal (Like clip and staple) in machine or gap.

- When the machine is working, please do not power off, pull out the plug and open its outer cover.

- Before pulling out the plug from the socket, please power off the machine first and then hold the plug and pull it out of the socket.

- Please do not pull out the plug and operate the machine by wet hand.

- When the machine has abnormal heat and abnormal noise, please immediately stop use, power off the machine, pull out the plug, and contact Agents or After-sales Department.

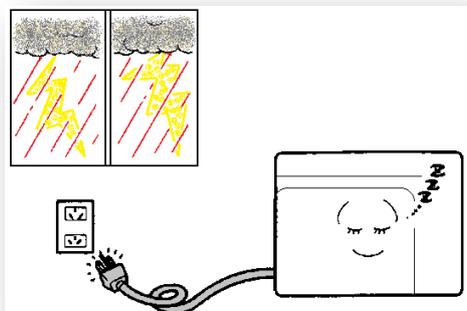
- Do not dismantle the fixed outer cover and components of the machine.

- Do not modify the machine and replace its components without permission.

- If there is lightning nearby, please immediately stop the machine, power off, pull out the plug, and use the machine after thunderstorm.

- Please refer the book on paper jam countermeasures and other problems.

- To guarantee the normal working of the machine and improve printing quality, please regularly maintain the machine.



Before the machine is cleaned, please turn off the power supply of the machine, pull out the plug, and use soft cloth stained with neutral cleaning solution to wipe the machine gently after it is wrung.

If the machine is cleaned by volatile oil and diluents, the machine will have fault or color change.

- When the installation place of the machine is changed, please carry the machine straight.
(Please contact with Agents or After-sales Department)

- Please operate the machine according to the record of the book.

Prohibit copying / Printing

When the machine is used for copying and printing, contents to be copied and printed are limited. Even if matters to be copied and printed are reserved by us, the illegal contents are prohibited to be copied and printed.



-Banknotes/Currency/Government-issued negotiable securities/Revenue stamp/Treasury securities/municipal bonds are forbidden to be copied.

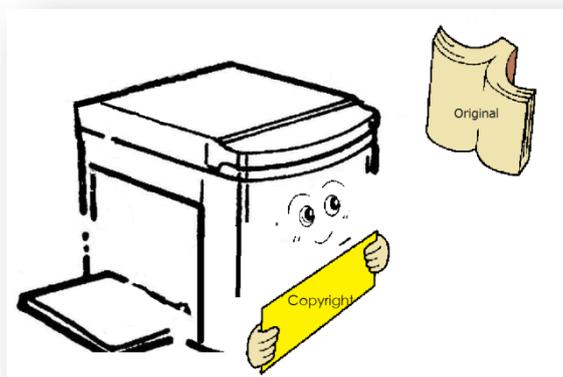
(The object stamped with "sample" is also forbidden to be copied)

-Unused stamps and postcards can not be printed without getting permit of the government.

-Effective banknotes/Currency/Security circulating abroad can not be printed.

-Folk negotiable securities (Stock/Bill/Check/Merchandise coupon)/Commutation ticket/Secondary tickets should be copied according to government requirements strictly except used in enterprise and public institution.

-Passport issued by government/License issued by public body/Permit/ID/Gate pass/Food coupon and other bills are forbidden to be copied privately.



- Collections in a private home and relevant "not for sales" items like books, score, artwork, drawing, map, audio and video products and photos are forbidden to be printed.

Name of each part and its functions

VR-4345S



No.	Name	Functions
1	Cover of scanning table	Make originals contact with glass of original scanning table well
2	Glass of original scanning table	Put originals upside down.
3	Scanner locking lever	To lock the scanner,, preventing scanning part moving
4	Power line socket	Connect the power line
5	Paper feeding table	Load printing paper. It will lift automatically when mastering-making and printing is on
6	Power switch	When the button is pressed to [], it represents the power supply is switched on; when the button is pushed to [O], it represents the power supply is turned off.
7	Front panel	When changing ink/mounting drum/handling master paper stacking problems, open the front door for treatment.
8	Paper receiving table	Print paper after loading.
9	Control panel	Check Name and functional reference of operation portion (Page 29 ~ 30)

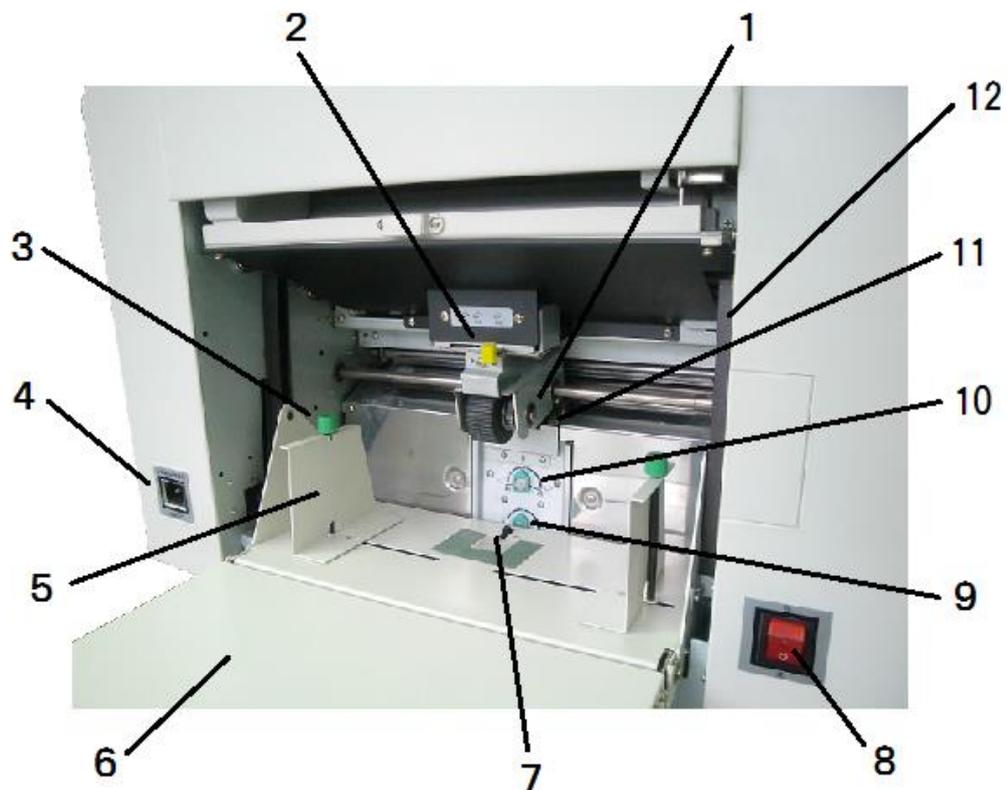
VR-3325S / 2335S



No.	Name	Functions
1	Cover of scanning table	Make originals contact with glass of original scanning table well
2	Top cover of master-making	Load the original after scanning.
3	Power pocket	Connect power line
4	Paper feeding table	Load printing paper. It will lift automatically when mastering-making and printing is on
5	Power switch	When the button is pressed to [], it represents the power supply is switched on; when the button is pushed to [O], it represents the power supply is turned off.
6	Paper receiving table	Receiving printed paper
7	Front door	When changing ink/mounting drum/handling master paper stacking problems, open the front door for treatment.
8	Control panel	Check (👉) Name and functional reference of operation portion (Page 29 ~ 30)
9	The original supporting plate	Put originals upside down.

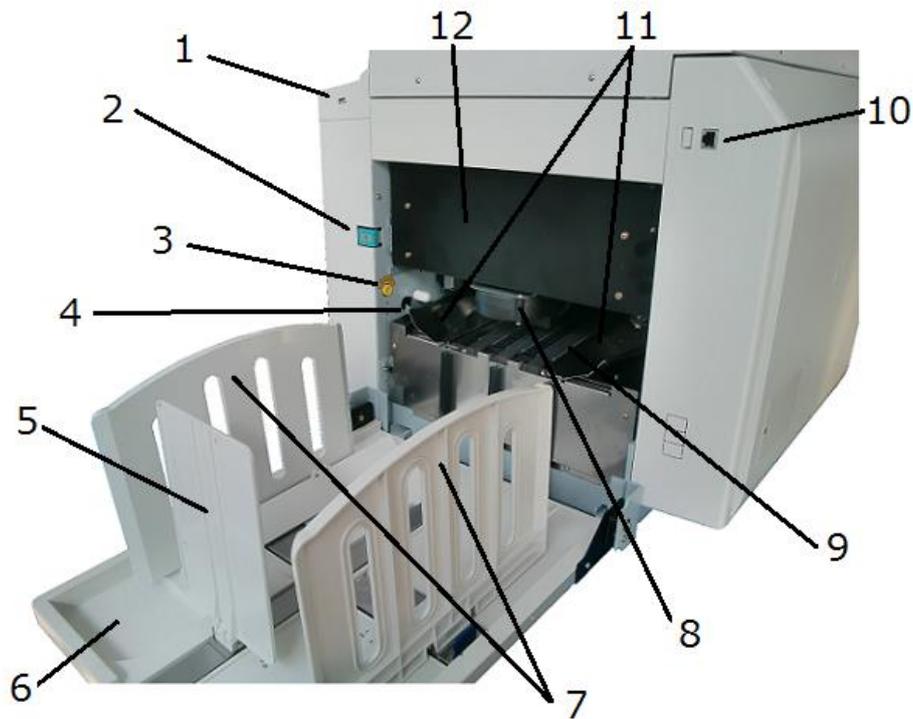
The machine parts and components in detail

Paper feed tray assy



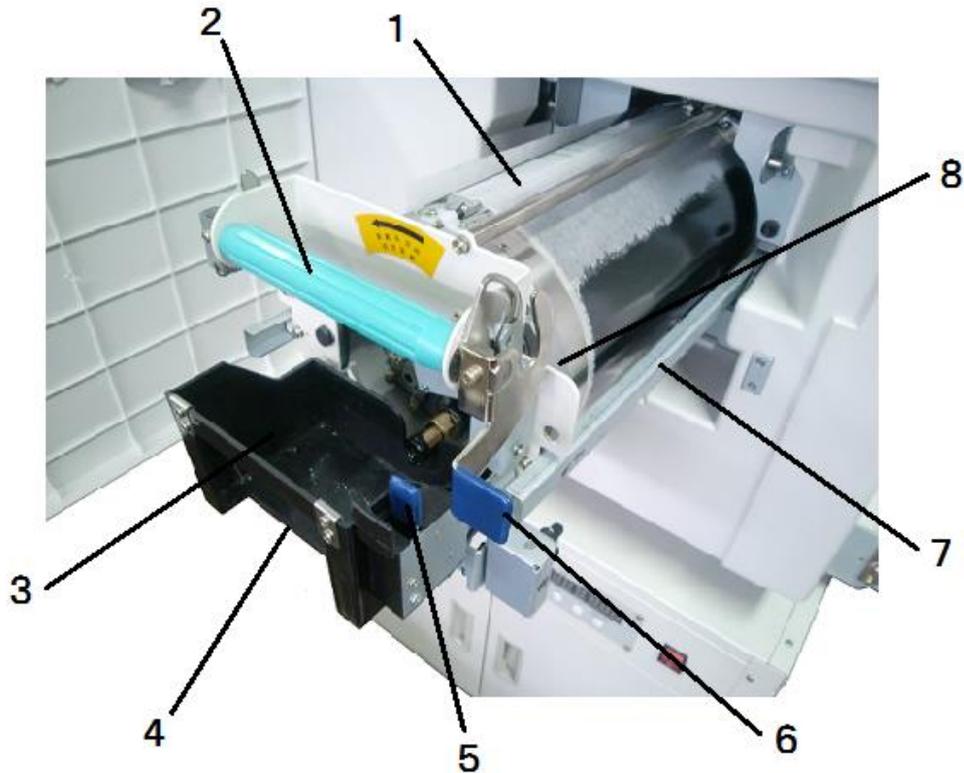
No.	Name	Functions
1	Paper feeding roller	Push forward the paper into machine, two pieces in row
2	Feed pressure adjustment handle	According to the state of paper feed switch pressure switch size, divided into 3 block.
3	Clampboard movement shaft assembly	Secure the clipboard to the paper feed table. One of the left and right sides of the cardboard
4	Power jack	Insert the power cord.
5	Clipboard	A splint that determines the position of the paper. bilateral symmetry.
6	Paper feed platform	Loading printing papers
7	Paper detector	Detect the paper available on the platform
8	Power switch	Press [I] to turn on power , press [O] to turn off.
9	Auxiliary block height adjustment knob.	Adjust the knob on the left and right sides of the subassembly.
10	Separating paper pressure adjustment knob	To adjust the paper separating pressure
11	Paper separator	The rubber film to spate the printing papers
12	Paper feeding lift button	Raise the paper feed table and use the button when handling paper jams.

Paper receiving tray assy



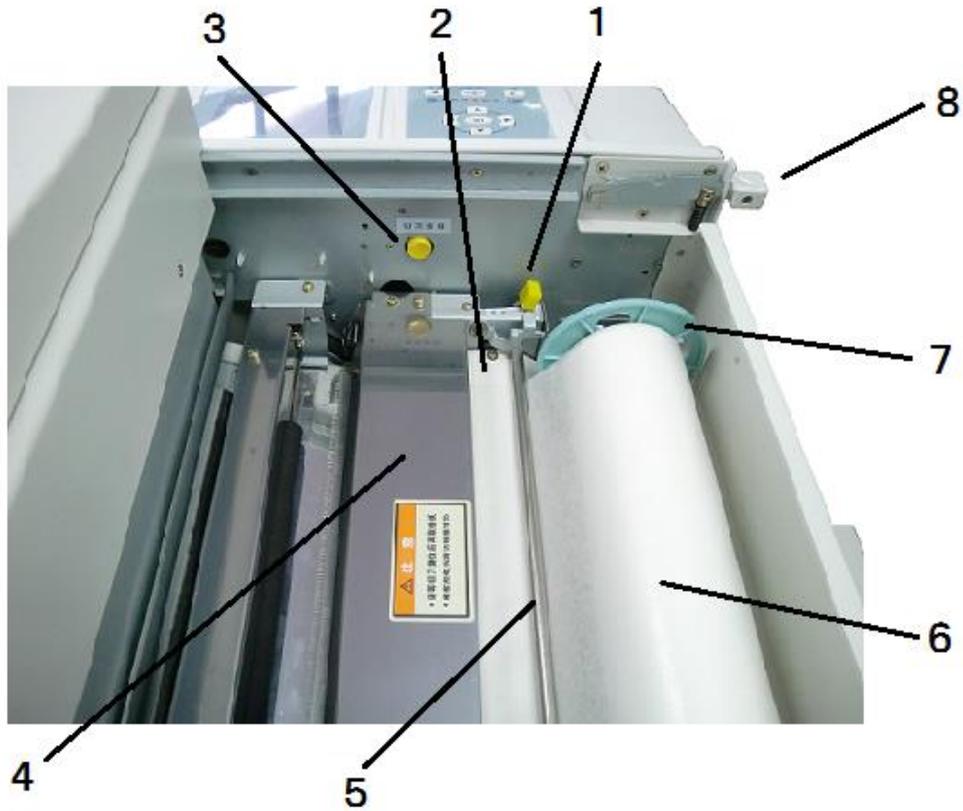
No.	Name	Functions
1	USB port	Connect USB power line, U-disk can print directly
2	Disposal box switch	Press this switch before opening disposal box
3	Drum rotating switch	Press it when rotating the drum or during paper jam
4	Printing pressure adjustment handle	Adjust the pressure of printing roller
5	Baffle of paper receiver	To make the printed papers assilgment after printing
6	Paper receiving tray	Load the printed papers
7	Paper-out guiding board	The two sides of the paper are aligned
8	Suction	Get off the paper from drum
9	Paper output belt	The paper passed out by the belts
10	Network connector	Connecting to networking for printing (only for 4345S)
11	Support plate for paper receiving platform	Make the printed papers go to the receiving tray smoothly. It can be slight adjusted.
12	Disposal box	It contains the disposal masters

Drum unit



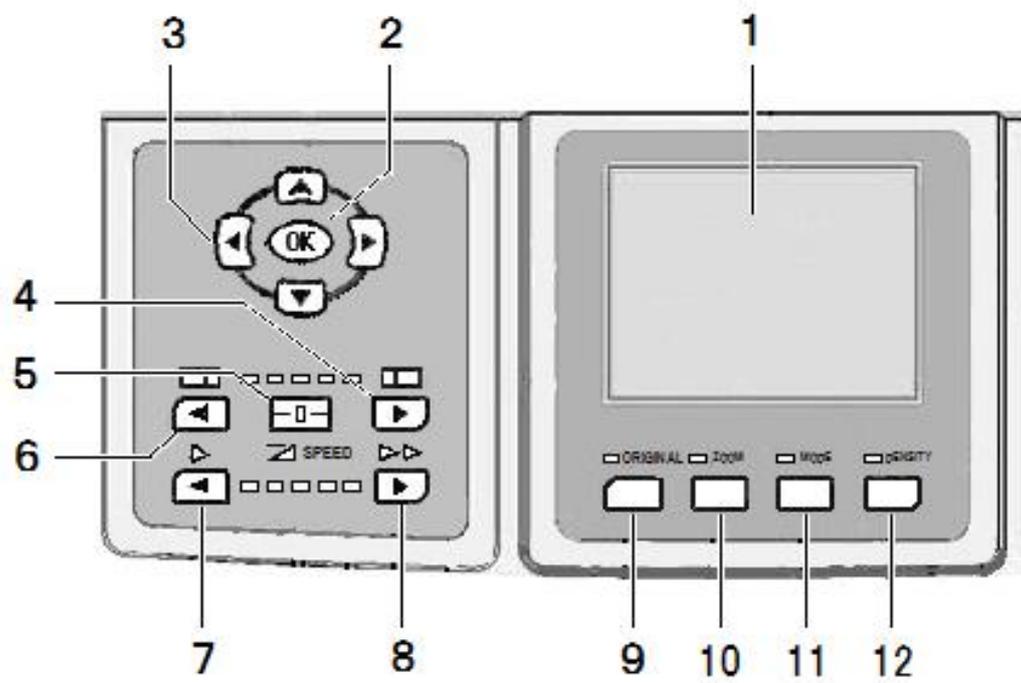
No.	Name	Functions
1	Drum	Print ink on paper
2	Drum handle	Hold the handle for taking out drum and for installation
3	Ink box bracket	Install appointed ink vessel
4	Ink installation detector	Make sure installation of ink
5	Installation handle of ink vessel	Use when changing ink box, and lock ink box bracket
6	Drum installation handle	Use locking drum when taking out and mounting the drum
7	Drum guide rail	Guide rails for mounting the drum in main body of machine (a left one and a right one)
8	Drum locking switch	Handle for rightly mounting the drum in main body of machine

Master making part

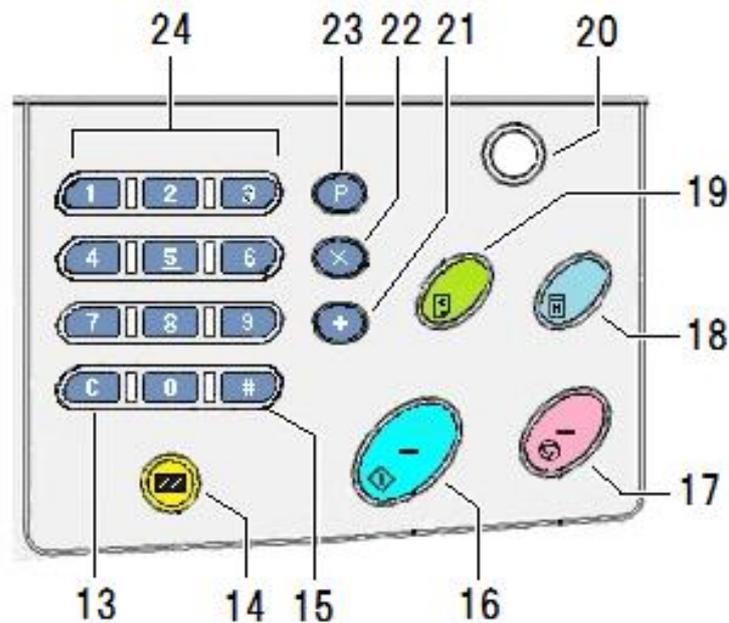


No.	Name	Functions
1	Thermal head release lever	Used in installing master
2	Cover of thermal head	To push forward the stencil with this cover
3	Cutter switch	Used in installing master
4	Cutter(inside of cover)	To cut the master
5	Long axial to avoid folds of paper	To make sure the master is strengthened in plat way
6	Master	To make a master for the original
7	Master flange	Fitting to install master on machine (left and right side)
8	The original platform switch handle	It is open or close for original table (VR-4345S)

Name and function of keys of operation panel



No.	Name	Functions
1	Display screen	Display necessary information in operation and printing of machine
2	OK button	Confirm setting
3	Selection button	To select or change the item you want
4	Space adjustment button (Right movement)	To adjust the printing position to the paper head side.
5	Space reset button	Press this button to reset the space to be center
6	Space adjustment button (Left movement)	To adjust the printing position to the paper backward side.
7	Printing speed djustment (Make slow)	Slow the printing speed
8	Printing speed djustment (Make fast)	Fast the printing speed
9	The original size button	All the original sizes for user
10	Master-making zoom button	All the master-making size for user
11	Master-making mode button	All the master-making modes for user
12	Master/scan concentration button	All the master/scan concentration for users choice

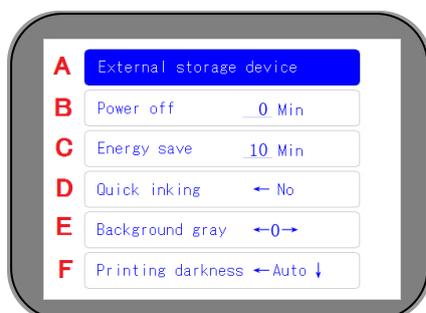


No.	Name	Functions
13	Key C	Cancel the input number or reset the counter to zero.
14	Setting key Reset button	Used when displaying operation setting selection picture. Reset the machine, and make some settings back to initial state (except master making concentration, scanning concentration and image mode)
15	Key #	Enter grouping function interface.
16	Printing button	Make machine enter printing process.
17	Stop button	Stop current operation. During master making, the machine will not stop before master making process is ended.
18	Master making button	Make machine enter master making process.
19	Trial print button	To print the testing book
20	Energy saving key (LED light)	It is used for choosing Energy saving function. The light is red during action.
21	+ Key	To increase for grouping function
22	× Key	It is a movement between pieces and sets in grouping function
23	P Key	Enter the grouping function
24	Numeric key	Used when inputting printing number or value.

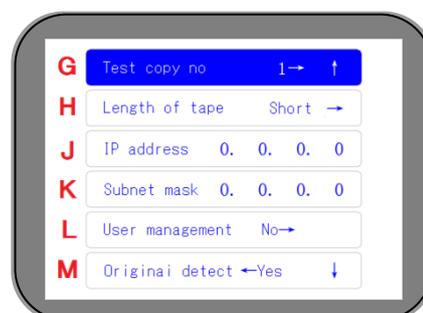
Operation setting picture

By pressing [#] key on numeric key zone on control panel the display menu will be changed to operation setting menu. There are three pages of contents.

Page 1



Page 2



Page 3



※ Symbols (A ~ P) in the table are recorded for to explain, they are absent in actual picture.

Mark	Name	Contents	Reference
A	Outer storage device	Used when displaying data in U flash disk	Page 125
B	Automatic shutdown time setting	Automatically switch off power supply after the machine stops for a certain time	Page 10
C	Automatic energy saving time setting	The display screen is automatically powered off after the machine stops for a certain time	Page 9
D	Quick ink outlet setting	Feed paper during master making, and guarantee printing quality	Page 76
E	Background concentration setting	Adjust and eliminate background setting	Page 59
F	Printing concentration setting	Setting of automatically adjusting pressure of pressure roller according to printing speed	Page 60
G	Trial printing number setting	Setting of trial printing number after master making	Page 66
H	Length setting of grouped paper tape	Setting of printing action during grouped printing	Page 47
J	IP address	Input necessary information when continuously printing on line	Page 106
K	Subnet mask	Input necessary information when continuously printing on line	Page 109
L	User management	Setting of passwords input when the machine is operated	Page 12
M	Original recognition setting	Setting of automatically recognizing original size	
N	Image center	Center setting of master making position	
P	Ink saving setting	Reduce ink consumption	Page 77

Basic printing operation

Mainly record preparations before printing, basic operation method and operation sequence.

Printing preparation _____	33
Installation method of power cord	33
Placement method of printing paper	34
Installation method of paper receiving tray	37
Installation method of originals	38
Basic printing method _____	40

Printing preparation

Installation method of power cord

1. Switch off the power switch

Power switch is on the left of the machine.

Check (👉) Parts and functions of each part of the machine
(Page 23 ~ 25)



2. Insert special power cord of the machine

Jack is on the left of the machine.

Check (👉) Name and functions of each part of the machine
(Page 23 ~ 25)



3. Insert the power plug into the socket

Please insert the power plug into the socket firmly,
or it will be disconnected during printing.

! If the plug is disconnected during printing process,
please install the power supply as steps 1 ~ 3.

Check (👉) ON notices of power supply (Page 1)

! When pulling out the plug from the socket, please first switch off the power supply, and then
pull out the plug after the display screen is black.



Placement method of printing paper

1. Open the paper feeding table gently

- Check**  Name and functions of each part of the machine
(Page 23 ~ 25)
On printing paper (Page 18)



2. Installation of printing paper

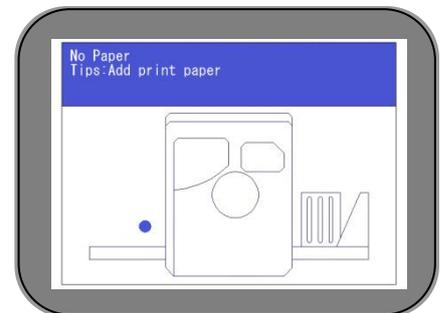
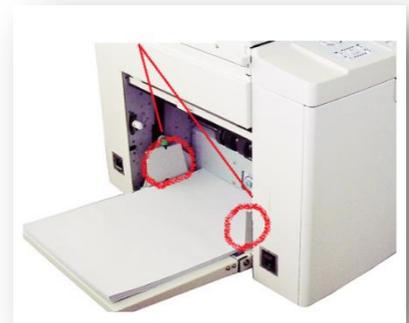
Put paper on paper feeding table, align the front end of paper with the front end of paper feeding bracket, adjust frisket finger according to paper size, and fix clipboard plate.

- Check**  Name and function of each part of the machine (Page 25)

 If it is necessary to add paper, lower printing table and take down paper during printing, please use [Up / Down button of paper feeding table].

 Please make the paper assigned when the paper are curved or bended, it always reminds installing printing papers.

In this case, pls press down the papers slightly or make the papers up to down side.



3. Paper feeding pressure setting

Paper feeding strength control setting: control paper feeding strength through pressure control handle.

-  Paper feeding pressure will not be controlled according to paper, but according to paper feeding condition.

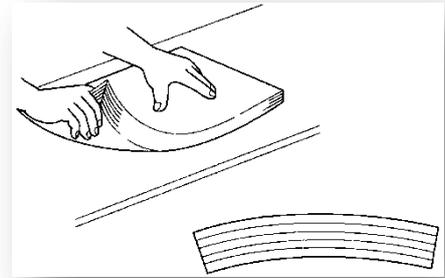


Paper feeding pressure control handle is divided into three stages:

- [THIN] = Thin paper ~ Standard paper
- [STANDARD] = Standard paper ~ Thick paper
- [THICK] = Thick paper

 Unfavorable paper feeding is mainly caused by irregular paper or bad cutting side, and therefore, before installation, please arrange and separate paper adhered together.

 If paper is up, please manually adjust it, or put the warped direction facedown. There are many unfavorable paper



4. Setting of paper separating pressure

Setting of paper separating pressure is to prevent feeding overlapped paper. Knob is used for adjustment.



 Control of [Paper separating pressure] is not fixed according to paper consumption condition, but according to actual paper feeding condition.

- When the knob is turned to left, paper separating pressure is lowered.
- When the knob is turned to right, paper separating pressure is increased.



Lower paper separating pressure in the following conditions

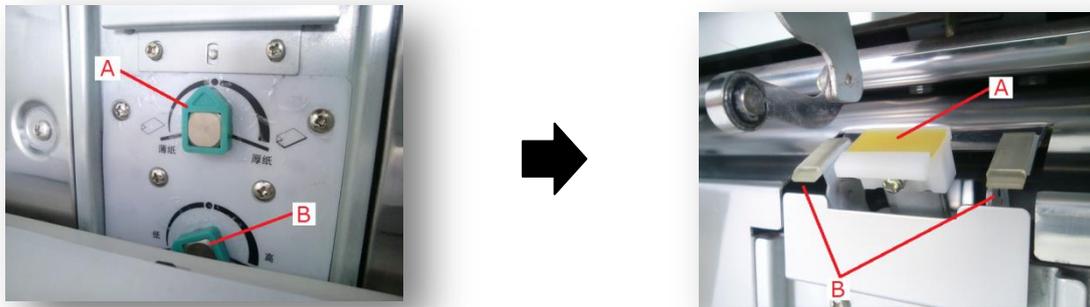
- When feeding paper, paper is wrinkled, and its front end has scratches.
- Paper can not be fed smoothly, and paper is jammed on the paper feeding side.

Increase paper separating pressure in the following conditions

- There is white paper in the printed paper.
- 2 ~ 3 pieces of printing paper are fed together, and printing position offsets.

Tips

Separating pressures, is mainly by (A) knob adjustment, also by auxiliary (B) knob for paper feed baffle.



(A) knob adjust the paper separator strength while (B) knob is for the height of paper feeding auxiliary board. Normally, when (A) is adjusting the paper separating pressure, and (B) should be on the far left side.

(A) knob is turning to left, the pressure is getting less, turning to right getting stronger. (B) knob is turning to the left, the height of board is down; and turning to the right, the height is up.

Installation method of paper receiving tray

1. Open the paper receiving table gently

Check  Name and functions (Page 26)

 Do not remove your hands when the paper receiving table is opened, or the machine will be damaged.

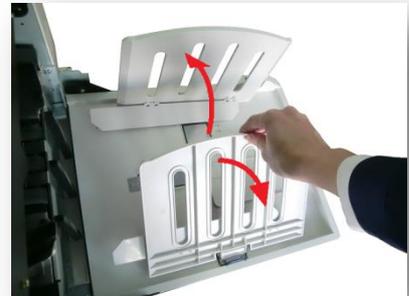
 When the paper receiving table is totally opened, it will be lower than the machine. Please put nothing under the paper receiving table, and totally open the paper receiving platform.



2. Open the paper-out guide plate

Adjust the position of the paper-out guide paper according to scales on the paper receiving table.

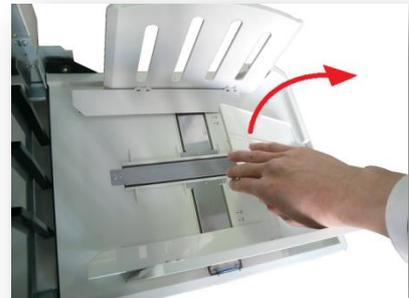
 According to actual paper-out conditions, slightly adjust paper to guarantee it can be placed orderly.



3. Open the front baffle plate of the paper receiving tray

The baffle plate is slippery at the front to the end.

 Slightly adjust according to the papers out.



4. Position adjustment for supporting plate of paper receiving tray

The supporting plate can be adjusted from left to right.

 Slightly adjust according to the papers out.

 The supporting plate distance is narrowed, the printing speed is getting slow, and vice versa. Please make it wide if the papers are thick.



Installation method of originals

1. Open the cover of the scanning table

VR - 4345S



VR - 3325S / 2335S



2. Put the printing sides of originals to be printed on the scanning table facedown

VR - 4345S



VR - 3325S / 2335S



Put originals on glass plate after they are aligned with the left end of the scanning table.
There is 【▲】 symbol on the left center of the glass plate. The center of the front ends of originals should be aligned with the symbol.

Put the original in the middle of the feeding plate. Adjust the paper pressure according to the original size and feed paper automatically

 Please guarantee the directions of paper on the paper feeding table are the same with that of originals on the glass plate.

 When the fonts on the front ends of originals are bigger and darker, and the front paper margin is smaller but the rear paper margin is bigger, please place originals in opposite sequence.

Only for VR-3325S / 2335S



If the original need to be taken out, please press STOP key for it.

Check  On originals (Page 17)

3. Slightly close the scanning cover (Only for VR-4345S)



When originals are magazines or books, setting method is the same with that of single page, which is to put originals on the left end of the scanning table intermediately.



During printing, the method of placing originals aslant to correct the slant originals is wrong; it will cause unfavorable reading or fault. Please print after correcting originals.



On the original (Page 17)



Basic printing method

※ Use new originals in master making ~ printing process

1. Power on

Power switch is on the left of the machine.
When the button is pressed to [I], the power is on;
when the button is pressed to [O], the power is off.



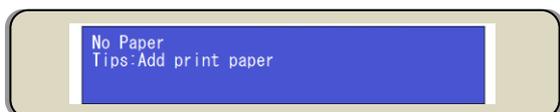
- Check**  Notices of power supply (Page 1 / 4)
Name and functions of each part of the machine
(Page 23 ~ 25)
Installation method of power plug (Page 33)

 When the machine is started, its display screen displays the picture in the right figure, please wait at patience.

 After the machine is powered on, some parts will rotate, it is normal, but not failure.



2. Place printing paper on paper feeding tray

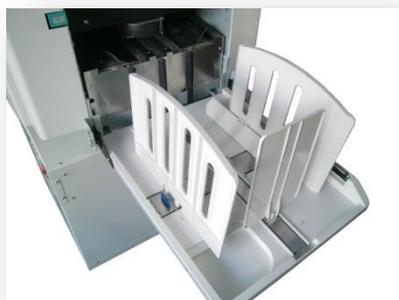


- Check**  On printing paper (Page 18 ~ 19)
Installation method of printing paper (Page 34 ~ 36)



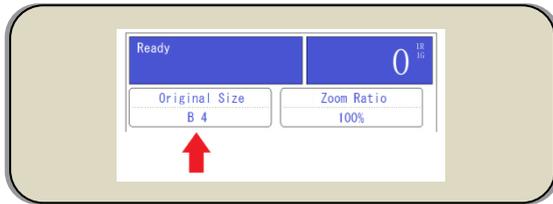
3. Set paper-receiving tray

- Check**  Installation method of paper-receiving tray (Page 37)



4. Place originals

The machine can automatically recognize and display sizes of originals. (Only for VR-4345S)



※ VR - 4345S

Check On originals (Page 17 ~ 18)
Setting method of color of originals (Page 38 ~ 39)

On various settings of master making

- Check** Change printing concentration
Change scanning concentration (Page 55)
Change master making concentration (Page 54)
Print color originals of pictures (Page 61)
Background treatment of originals (Page 59)
Change scales of originals (Page 63)
Merge originals (Page 68)

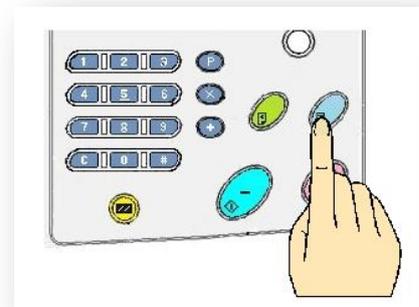


※ VR-3325S / 2335S

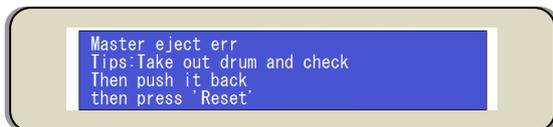
5. Press master making button



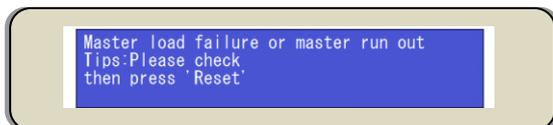
- A series of continuous operations of waste master out,
→ reading of originals, → master making,
→ master loading and proof printing



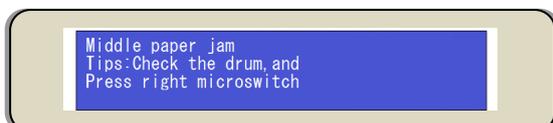
Fault hints in work



Check (Page 134 / 139)



Check (Page 82 / 135)



Check (Page 133 / 137)

After one trial...

- Check (👁️) Increase proof printing (Page 66)
Adjust printing position (Page 50)
Change printing speed (Page 53)
Adjust frisket finger of paper-out guidance and paper receiving support (Page 37)

 If problem happened during trial printing.....

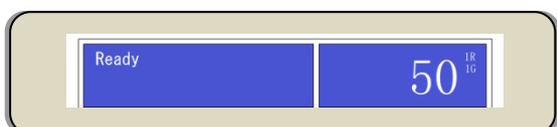
- Check (👁️) Overall light/dark → Change master making concentration (Page 54)
→ Change scanning concentration (Page 55)
Remove background color → Use background color removal function (Page 59)
Uneven concentration → Increase proof printing (Page 66)
No (almost no) printing words → Proof printing for many times (Page 66)
→ Confirm the surface condition of the drum (Page 89)

 Fault information display in work

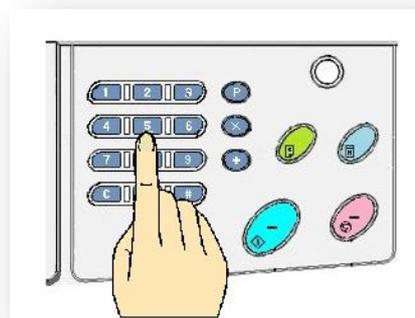


Check (👁️) (Page 86)

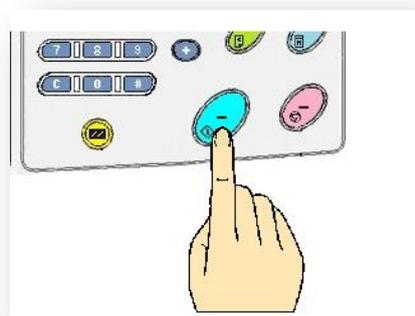
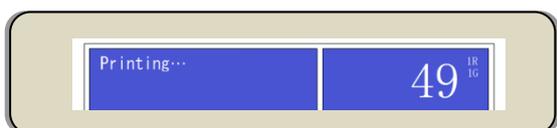
6. Input printing number



Check (👁️) Printing number input method (Page 47)

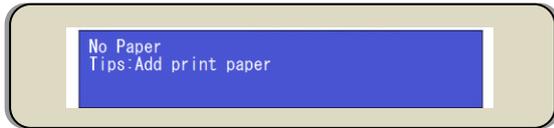


7. Press [Print] button





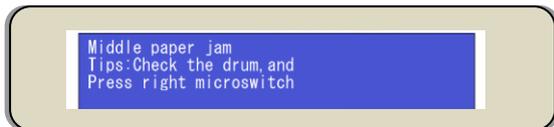
Hints display in printing



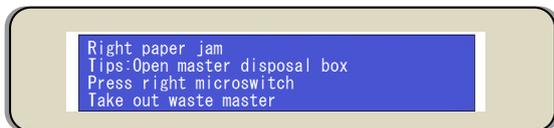
Check (👉) (Page 36)



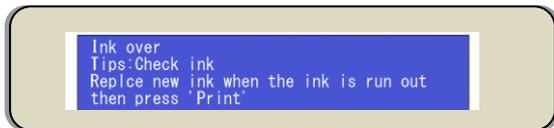
Check (👉) (Page 132 / 136)



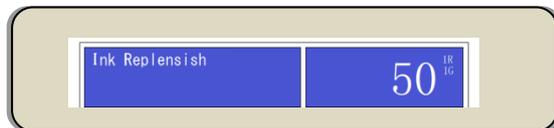
Check (👉) (Page 133 / 137)



Check (👉) (Page 132 / 138)



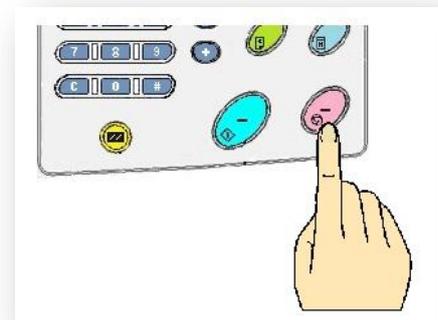
Check (👉) (Pge 79)



Check (👉) (Page 81)

8. Press [Stop] button to terminate printing

When the machine stops, residual number of paper will be displayed.



Please press [Print] button to continue printing.



Generally speaking, when input number of paper has been printed, number input place will tentatively display [0], and then the initial input number will be recovered. In case of directly pressing master making button in this case, the machine will be directly used for printing without proof printing link, and therefore, please pay attention to number display on the number input place.



Notices when one original is printed largely.

Master used in printing is much thinner. When one original is largely printed, master paper will be damaged to influence printing quality. Therefore, in consideration of this factor, during printing, please make master again when one original is copied to about 2,000 pages.

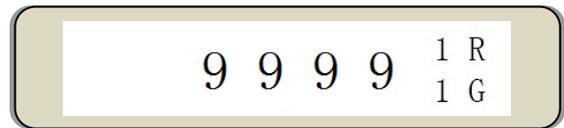
Various use functions

Mainly record the application method of functions of input of printing number, printing speed, printing concentration and zooming.

Input of printing number _____	47
Printing position adjustment _____	50
· Adjustment space of up/down direction	50
· Left and right direction adjustment	51
Printing speed adjustment _____	53
Printing concentration adjustment _____	54
· Master making concentration adjustment	54
· Scanning concentration adjustment	55
· Printing pressure adjustment	57
Original background color removal function _____	59
Original mode selection _____	61
Zooming of originals _____	63
Proof printing number setting _____	66
Special printing function _____	68
· Two-in-one master making function	68
· Master making of books and magazines	72
· Ink saving mode	75
· Quick ink outlet function	76

Input of printing number

Input printing number by numeric key on operation panel. The maximum number which can be input once is [9999] pieces (4 digits). If grouping times blend, a greater quantity of printing can be achieved.



Input number will be displayed on display screen.
Remaining number is displayed in printing (Subtraction).

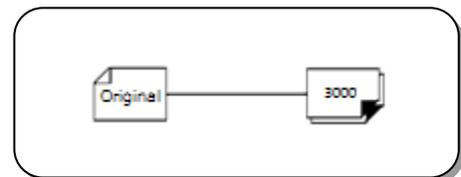
Two examples will be given for explanation.

1. General printing

After inputting number of sheets, continue printing. When printing paper is used up, the machine will display remaining number of sheets and the machine stops. After adding printing paper on the paper feeding table, press printing button for printing again.

When input number of sheets is 3000
(Continuously print 3,000 sheets)

Input by numeric key = [3] - [0] - [0] - [0]



2. Group printing

The function is used when distinguishing the same printing paper delivered. After once group printing is completed, grouping times will be reduced. At this time, the machine is still working, but printing will be tentatively stopped, and therefore, marking objects are put on delivered printing paper for distinguishing or delivered printing paper should be taken away.

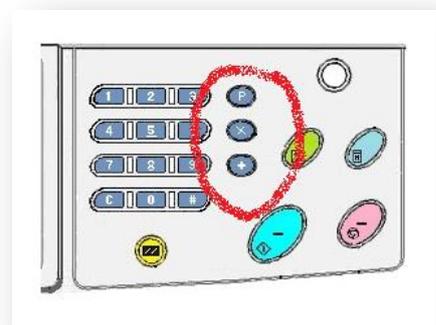
According to setting, the machine starts reprint after manually pressing [Printing] button. After the input number of sheets is totally printed, the machine will stop.

Group printing is divided into [Pure group printing] and [Complex group printing].

Please use [Special group input button] for input.

On group printing

Manually start printing functions



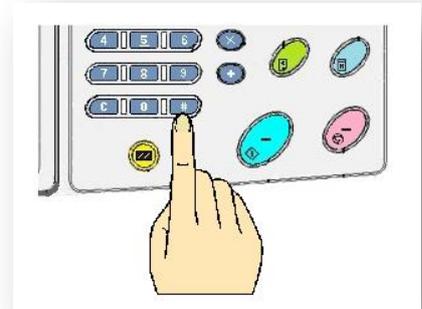
- After the input number of sheets is totally printed, the machine will continue to run, but stop feeding paper. In this period, printing paper on the paper-out table should be taken out or distinguishing objects should be placed, and then, when the machine needs to continue printing according to practical situation, printing button should be pressed to start next printing.

Automatic printing functions

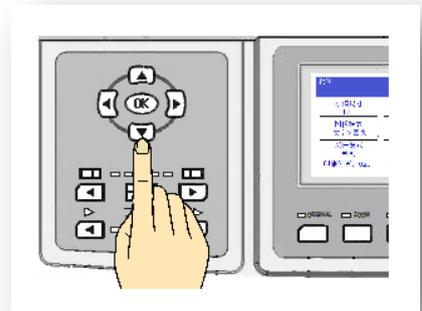
- After the input number of sheets is totally printed, the machine will continue to run, but stop feeding paper after a time. The stop time can be divided into 3 levels. During the period of stopping feeding paper, the delivered paper should be taken away or separation objects should be placed. After paper feeding is stopped for a certain time, the machine will start next printing.

Motion setting method (Basic picture)

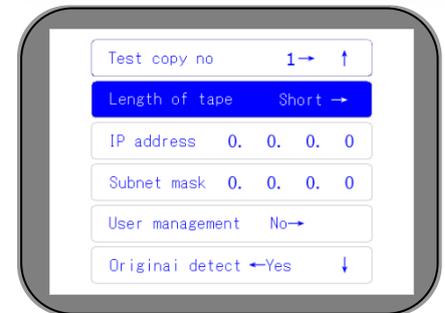
i) Press [#] key to enter setting picture.



ii) Press [Cursor moving key 【▼】] to move to [Group motion] option.



Setting picture has three pages, and [Group setting picture] is in the second page.

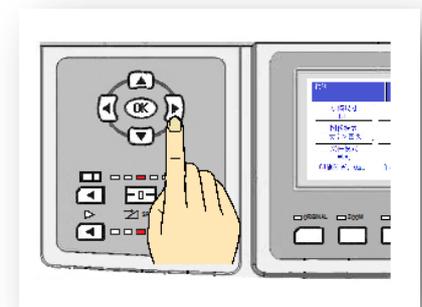


iii) Use [Cursor moving key 【◀】 and 【▶】] for selection.

- Group printing intervals: 【 S h o r t 】 = 5s
【 M i d d l e 】 = 6s
【 L o n g 】 = 7s
【 N o 】 = Manual



When selecting 【No】 and drum of each group runs without load, it is necessary to press [Print].



iv) Press [【 OK 】 button] to complete setting.

E.g.) 500 pcs in 2 groups/ separated grouping
(1,000pcs in total)

Input the following contents in turn:

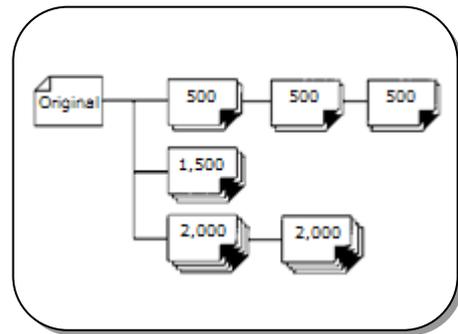
[P]
[5] - [0] - [0] - [×] - [2] - [OK]



E.g.) 500 pcs in 3 groups/1500 pcs in 1 group/2000 pcs in 2 groups/complex grouping
(7000pcs in total)

Input the following contents in turn:

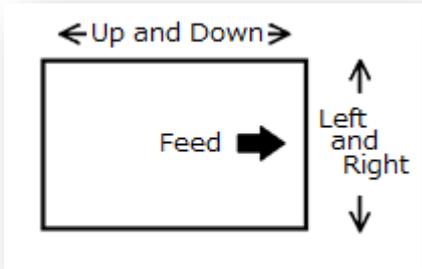
[P]
[5] - [0] - [0] - [×] - [3]
[+]
[1] - [5] - [0] - [0] - [×] - [1]
[+]
[2] - [0] - [0] - [0] - [×] - [2]
[OK]



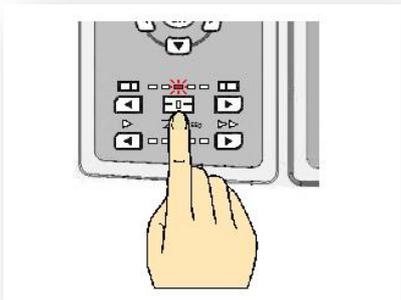
When group printing is set, input in sequence without interval.

Printing position adjustment

Printing positions of printing paper can be up and down/left and right. Up and down/left and right control buttons are different.



1. Adjustment of up / down direction (Adjusting in printing)

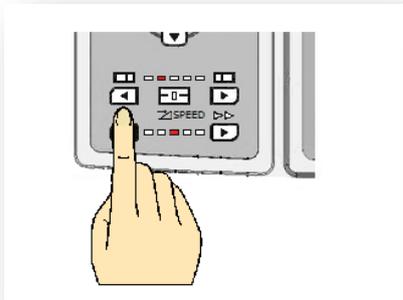


Adjust through [Print position] button of operation part. No matter the machine is stopped or working, adjustment is based on center. Moving scale displaced on the left lower portion of the display.

Rearwards adjust printing position

Use printing position button / Left for adjustment.

- ⚠ If the printing position is adjusted down excessively, the lower contents of the paper will run over and can not be printed. During adjustment, please confirm printing state first, and then make adjustment. When the lower sides run over and should be printed, run-over contents will be printed to the back.

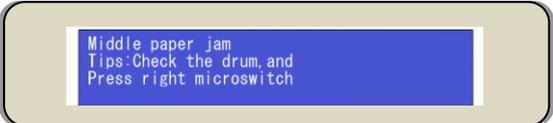
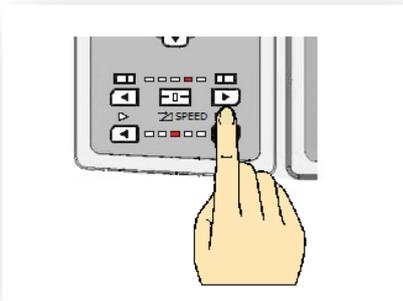


Printing position is forwards adjusted

Use printing position button / Right for adjustment.

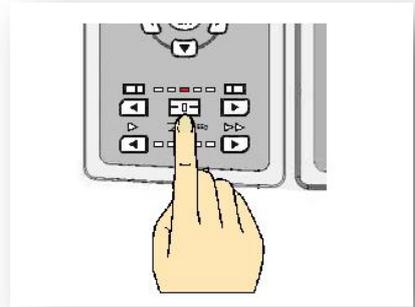
- ⚠ If the printing position is excessively adjusted up, page margin will be reduced, printing paper will be winded on the drum. During adjustment, pay attention to confirm printing state

Check (Page 133 / 137)



Adjust printing position to the center

Press 【Center reset】 key.



2. Left and right direction adjustment (Forbidden in printing process)

Adjust the paper placement of the paper feeding table

i) Loosening the fixed screws of the clapping board

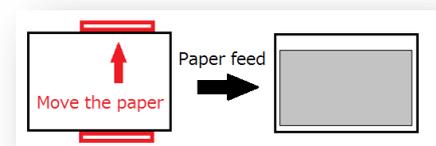


ii) Moving left and right to adjust the right position of the papers



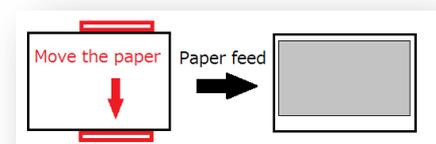
When printing position is adjusted to left (Operation side)

Rotate the knob to left, and move printing paper against operation side.



When printing position is adjusted to right (Against operation side)

Rotate the knob to right, and move printing paper to the operation side.





The operation is forbidden in printing process. Be sure to adjust after terminating printing and lowering the paper feeding table.

Check  Lower printing table (Page 34 ~ 35)



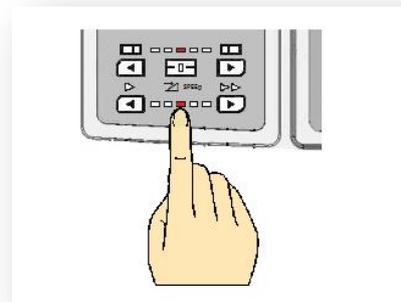
Excessive adjustment will lead to incomplete printing. After adjustment, please use proof printing function, and print after confirming printing state.

When contents run over and need to be printed, edges or integrity of printing paper will be adhered back to back or during master making and printing, run-over contents are printed in new masters. Proof printing

Check  Proof printing (Page 66)

Printing speed adjustment

Adjust through [Printing speed] button on operation part.
There are 5 classes in total. After setting, the corresponding indicator lamp of selected level will be on.
Standard speed is [3].



[Speed 1] = 55pcs/minute

[Speed 2] = 70pcs/minute

[Speed 3] = 85pcs/minute (Standard speed)

[Speed 4] = 105pcs/minute

[Speed 5] = 120pcs/minute for V2335S/3325S, 130pcs/minute for VR-4345S



When printing speed is faster, printing is lighter, or it is darker.

Air temperature in summer is higher, ink will get softer, and printing is overall thicker. In this case, if printing speed is increased, printing will get thinner.

Air temperature in winter is lower, ink will get harder, and printing is overall lighter. In this case, if printing speed is lowered, printing will get darker.

VR-3325S / 4345S special functions Check (🖱️) (Page 58)

The above contents mentioned that printing speed will have a certain impact on printing concentration. To lower this impact, the machine has printing-pressure automatic control function, namely the function of automatically adjusting printing pressure according to printing speed.

When the function can be stopped at any time, printing pressure is regulated to level 5.

Printing concentration adjustment

General printing concentration adjustment method:

- [1. Adjust master making concentration];
- [2. Adjust scanning concentration];
- [3. Adjust printing pressure].

Adjustment of [Master making concentration] or [Printing pressure] will change overall printing concentration, and adjustment of [Scanning concentration] will change color of originals. Printing products will also change. Printing products will have a certain difference with originals.



Generally, master making concentration and scanning concentration are set on [Standard] position, and will be also displayed in display screen. Different machine models will lead to different settings of printing pressure.

When printing concentration is adjusted, in case of using the method of [1. Adjust master making concentration] and [2. Adjust scanning concentration], the setting is valid since scanning of originals, so it can not be changed after master making and proof printing. Confirm shades of printing paper, and then adjust shades or switch adjusting method. After adjustment, please start operation from [Master making] again.

To save ink, please use [Ink saving mode] when printing is lighter. (Page 75)

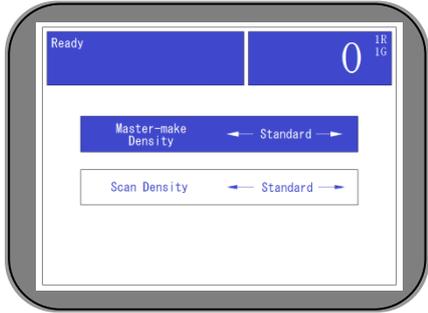
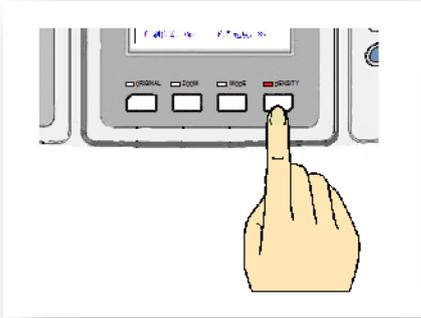
During [Online printing] or [USB printing], there will be no impact on printing even if [2. Scanning concentration] is adjusted.

1. Master making concentration adjustment

Adjustment of master making concentration starts from original scanning. Please be sure to set before master making.

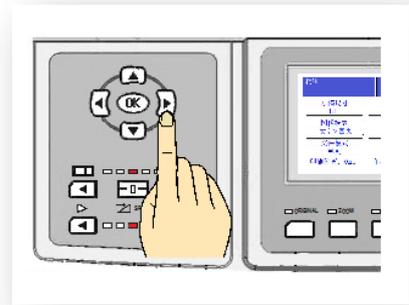
Setting method

i) Press concentration setting key.



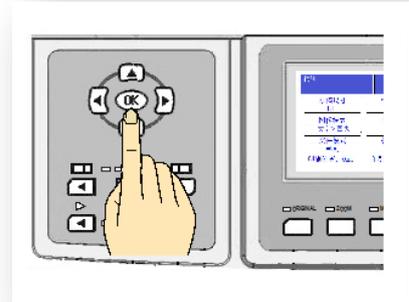
ii) Use [Cursor moving keys [◀ ▶] for selection.

- Concentration is selected in 5 classes. [Lightest]
 [Lighter]
 [Standard]
 [Darker]
 [Darkest]



iii) Press [【OK】 key] to complete setting.

※ Display menu returns to basic menu.



 Applicable to the following conditions:

- When temperature is low and printing is light → Adjust dark concentration for master making
- When temperature is high and printing is dark → Adjust light concentration for master making
- When printing is dark and it is easy to jam paper → Adjust light concentration for master making
- When printing on double sides, prevent ink leaking → Adjust light concentration for master making
- When printing paper is adhered back to back → Adjust light concentration for master making
- When saving ink → Adjust light concentration for master making

 When master making concentration is darker, the volume of ink printed on paper is more, and paper is easy to get soft, it is an important reason on why paper arrangement is failed and paper is winded on drum.

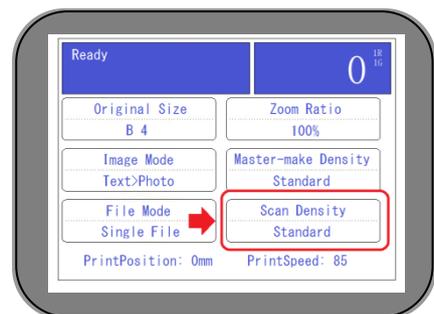
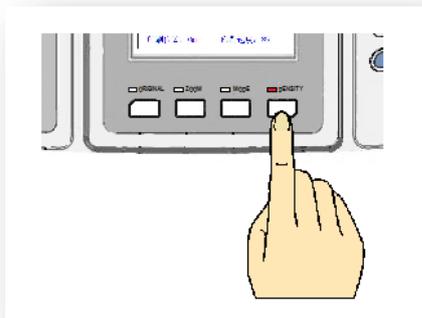
 When fonts of originals are totally thicker or are photoed, if master making concentration is lighter, the quality of printing product will be better.

2. Scanning concentration adjustment

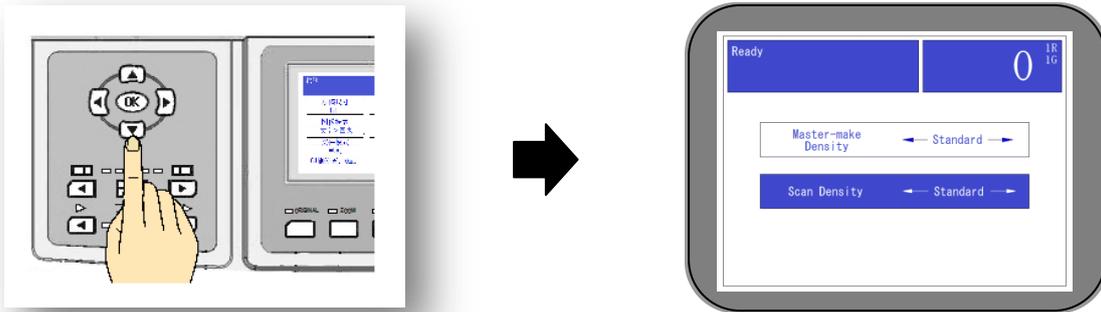
Scanning concentration adjustment starts from original scanning. Please be sure to set before master making.

Setting method

i) Press concentration setting key.

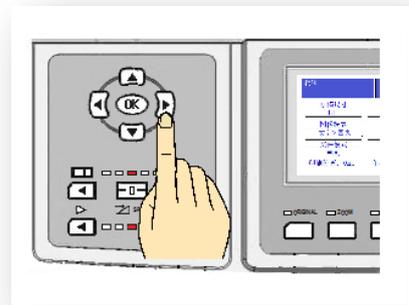


ii) Use [Cursor moving keys 【▼】] to make scanning concentration lighter.



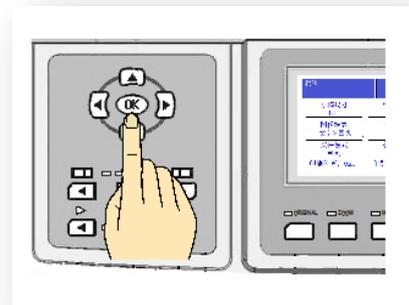
iii) Use [Cursor moving keys 【◀】 【▶】] to make scanning concentration darker.

Concentration is selected in 5 classes. [Lightest]
[Lighter]
[Standard]
[Darker]
[Darkest]



iv) Press [【OK】 key] to complete setting.

※ Display menu returns to basic menu.



 Applicable to the following conditions:

- Original gets lighter integrally → Scanning concentration gets darker
- Part of contents get lighter → Scanning concentration gets darker
- Photos are darker integrally → Scanning concentration gets lighter
- Background colors of originals get darker → Scanning concentration gets lighter

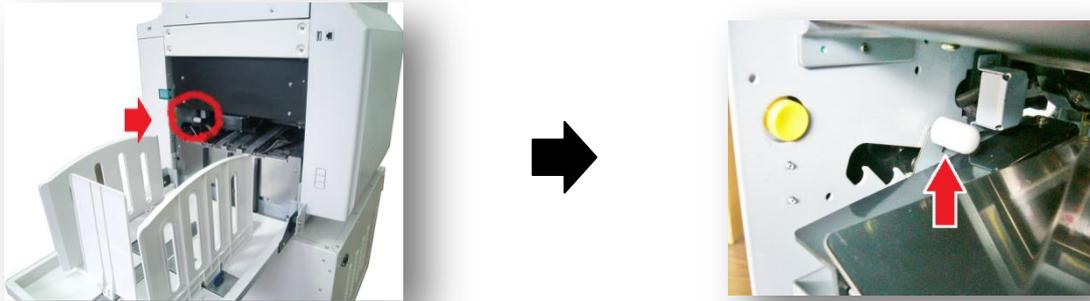
 When originals with darker fonts or correction is light, please use [Master making concentration lightening] function. *Check*  (Page 54)

3. Printing pressure adjustment

The effect of adjusting printing pressure is the same with that of adjusting master making concentration, which will influence overall printing concentration. Master making concentration adjustment is to determine printing concentration by discharged ink. Printing pressure adjustment is to determine printing concentration according to pressure strength when ink is printed on printing paper.

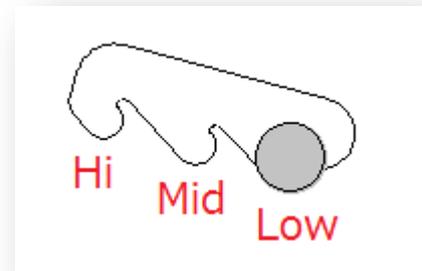
After adjusting overall printing concentration, when there is dirt on printing paper or ink is discharged less, printing pressure adjustment function is used.

The operation handle is on the side of the paper discharge.



- Printing paper pressure adjustment is divided into 3 classes. there is corresponding adjusting handle on each class.

- ⚠ There is drum and paper arrangement belt near the operation part. These components will rotate during printing process. Therefore, be sure to operate handle when the machine is still.



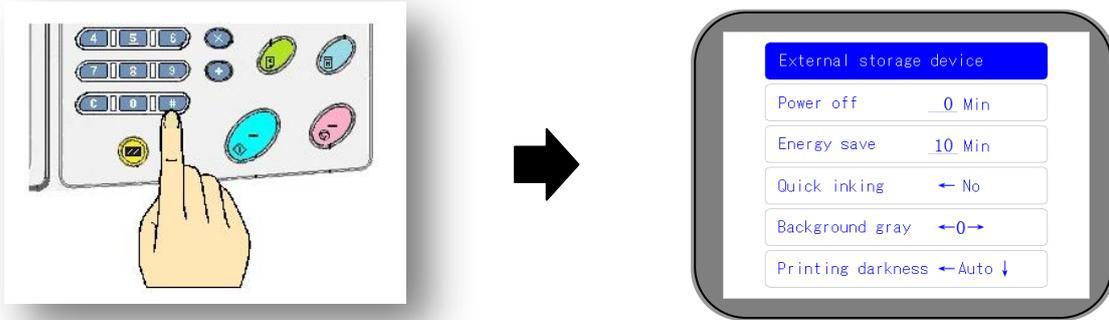
- ⚠ No matter machine or printing pressure is adjusted, after printing, please recover original state. If not, direct printing will lead to failure of machine.

Automatic printing pressure adjustment (Optional for VR-4345S / 3325S)

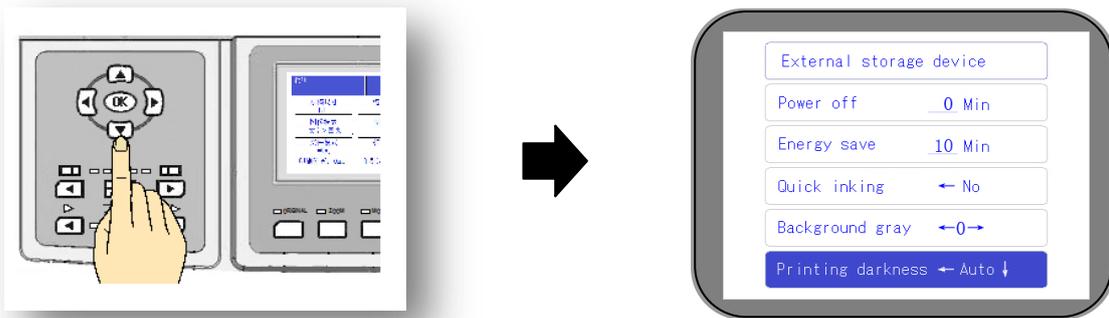
Under factory setting state, if printing speed is adjusted, other settings related to printing concentration will be automatically changed.

Any setting method

i) By pressing **【#】** key, operation setting picture will be displayed.



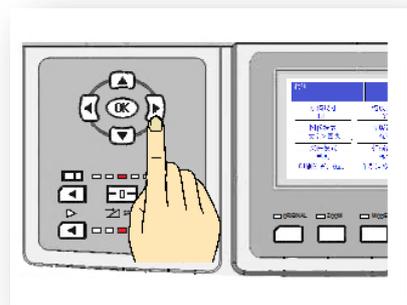
ii) Use **[Cursor key 【▼】]** to set printing concentration.



iii) Use **[Cursor moving keys 【◀】 and 【▶】]** to select appropriate concentration

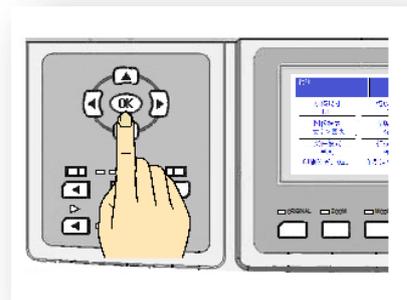
 Except automatic setting, any setting is divided into 5 classes.

- [1] = Weakest; the same with speed 1
- [2] = Weak; the same with speed 2
- [3] = Medium; the same with speed 3 (Standard)
- [4] = Strong; the same with speed 4
- [5] = Strongest; the same with speed 5
- [Automatic] = Printing speed linkage
(Slow speed = Weak ~ Fast speed =strong)



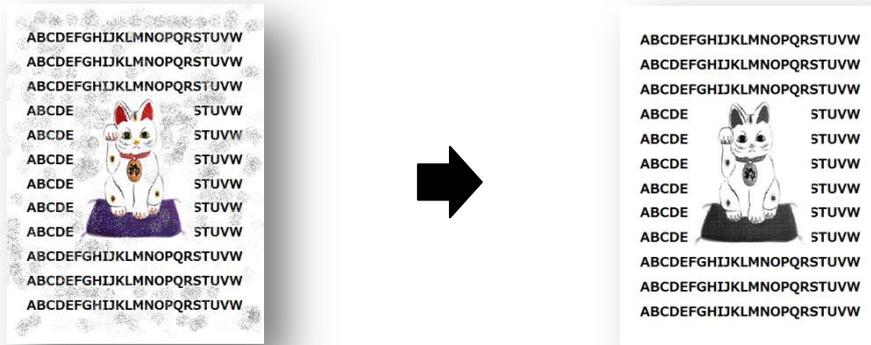
iv) Press **[【OK】 button]** to complete setting.

※ Display menu returns to basic picture.



Original background color removal function

In case of directly making master when originals are older, have dirt and ground color, background color of original will be scanned to cause unclear printing paper. Under this condition, if [Original background color removal function] is used, the influence on original background color will be minimized.

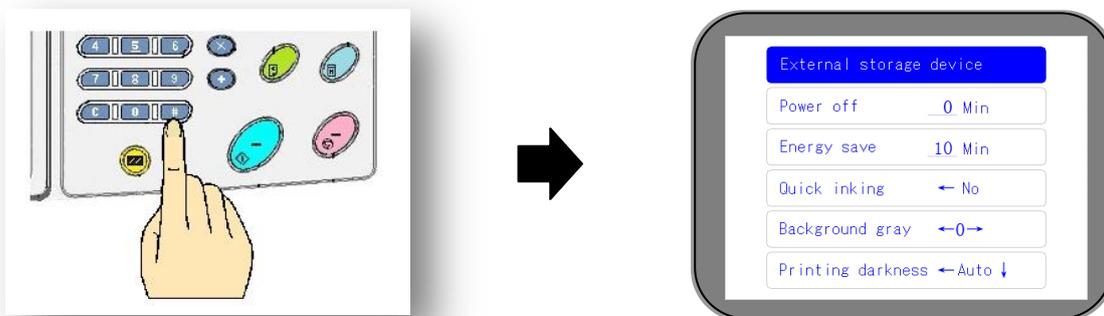


 The function may be invalid for special original background color.

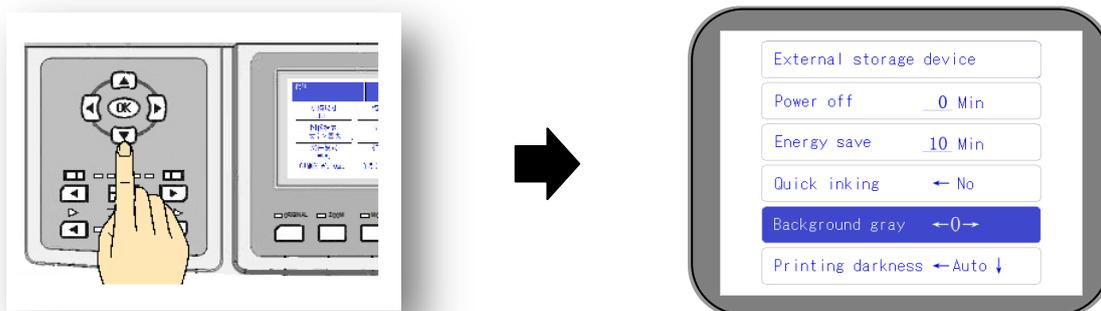
Any setting method

 ※ Set before master making.

i) Press [#] key in numeric key zone to enter operation setting picture.

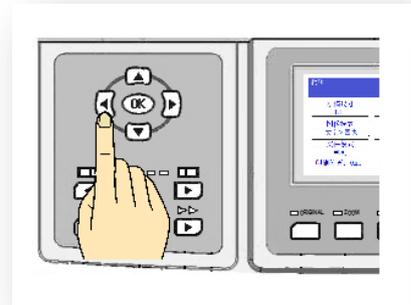


ii) Use [Cursor moving key 【▼】] to select (Background color removal setting) item.



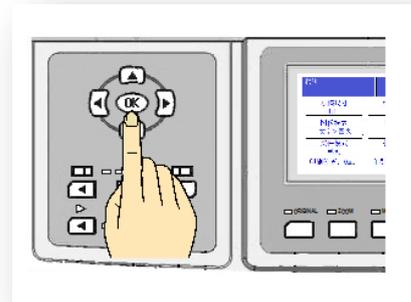
iii) Use [Cursor moving keys 【◀】 【▶】] to set level.

 Setting range is from [-10] to [+10], and the standard is [0].



iv) Press [【OK】 button] to complete setting.

※ Display picture returns to basic picture.



 After setting is completed, even if the power supply is turned off or reset button is pressed, background color removal level will not return to standard [0].

 According to the species and conditions of originals, there may be a certain impact on printing quality.

 It is more convenient to use the method in the following conditions!

When originals have photos or have gray tone, and it is impossible to strengthen or eliminate tone, the function can not be achieved.

i) When it is desired to make color darker or make photo darker integrally.

→ Turn background color removal level to direction (+).

ii) When it is desired to make color lighter or make concentration lighter.

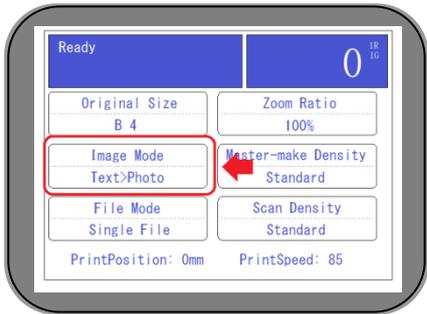
→ Turn background color removal level to direction (-).

Select mode conforming to originals

Setting before master making

Select appropriate [Image mode] according to species of originals.

There are 7 or 5 original setting modes. They respectively have their own characteristics. Factory setting is [Text > Photo] mode.



[Text]

- For special text mode, overall effect is darker. When there are photos or color patterns in originals, printing quality will be black.

[Photo]

- Special photo mode will make overall printing effect lighter. The mode strengthens tones of photos and color printing.

[Photo > Text] Only for VR-4345S

- Originals contain character and images (Color printing), and pay attention to printing quality of photo (Color printing).

[Paper]

- When background color of originals is darker, this mode is selected, like newspaper. Printing effects of lines and characters are thinner.

[Text > Photo]

- Originals contain character and images (Color printing), and pay attention to printing quality of characters.

[Screen] Only for VR-4345S

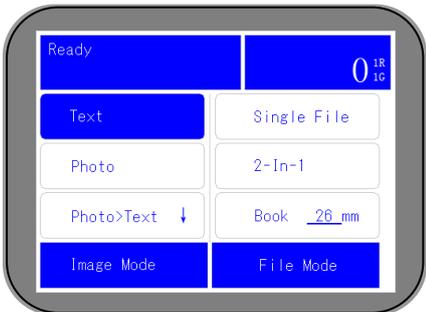
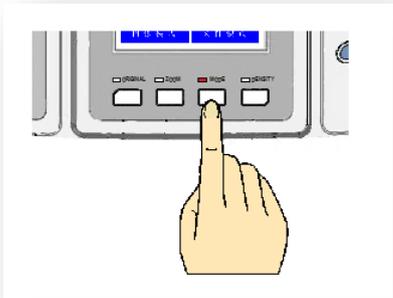
- In case of using screen for treating photos, printing effect will be clearer and have 3-D effect.

[Pencil]

- The mode is selected for originals written by pencil or written lighter. Overall printing effect is darker and thicker in fonts compared with originals.

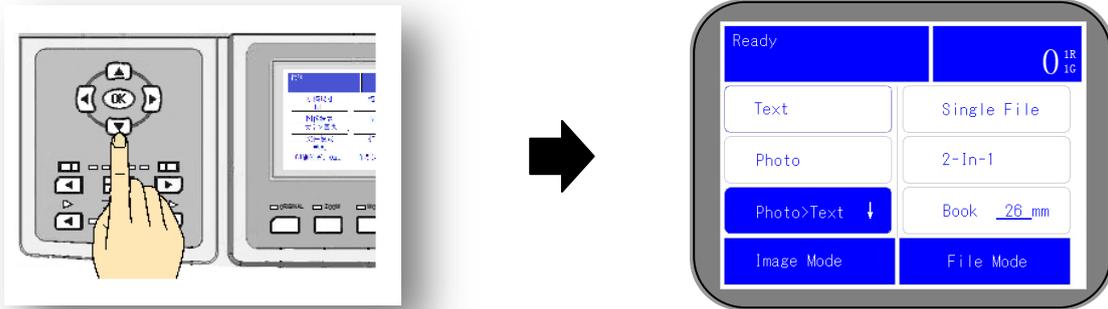
Setting method

i) Press [Image selection] key.



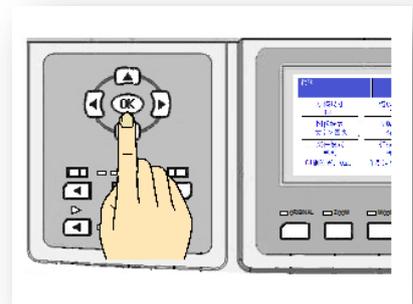
※ Above picture for VR-4345S

ii) Use [Cursor moving keys 【▼】 【▲】] to select corresponding original mode.



iii) Press [【OK】 button] to complete setting.

※ Display picture returns to basic picture.



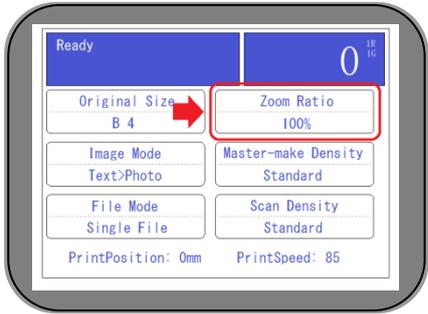
After setting, even if the machine is powered off or reset button is pressed, the machine will not return to [Text > Photo] mode.

Zooming of originals

Setting before master making

Print after magnifying/zooming originals. When the edges of originals are not blank, please use [94%] zooming function, and print after leaving a certain blank.

- Check  On originals (Page 17)
- On page margin (Page 19)



Original zooming is divided into [Common ratio zooming] and [Free zoom]. Free zoom is increased by 1%, and copying proportion is slightly adjusted from 50% to 200%.

Common ratio zooming

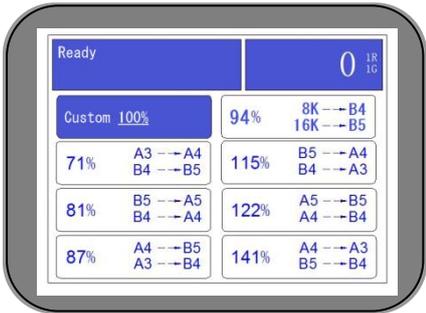
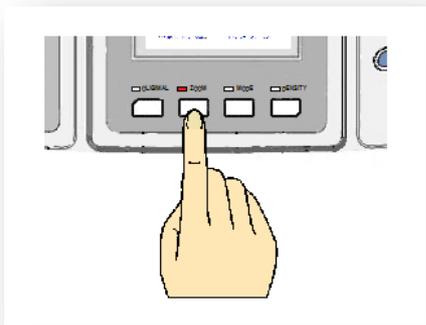
When originals of fixed sizes (A or B series) are zoomed out to originals of other sizes, relevant page margin information.

Reduction			Enlargement		
Ratio	Original size	Paper size	Ratio	Original size	Paper size
94%	8K →	B4	115%	B4 →	A3
	16K →	B5		B5 →	A4
Page margin				B6 →	A5
87%	A3 →	B4		A4 →	B4
	A4 →	B5		A5 →	B5
	A5 →	B6		A6 →	B6
81%	B4 →	A4	122%	A4 →	A3
	B5 →	A5		B5 →	B4
	B6 →	A6		A5 →	A4
71%	A3 →	A4		B6 →	B5
	B4 →	B5		A6 →	A5
	A4 →	A5		141%	A4 →
	B5 →	B6	B5 →		B4
A5 →	A6	A3 →	A4		

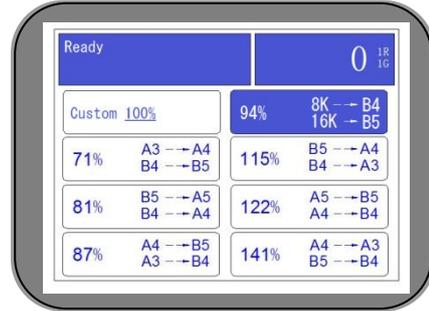
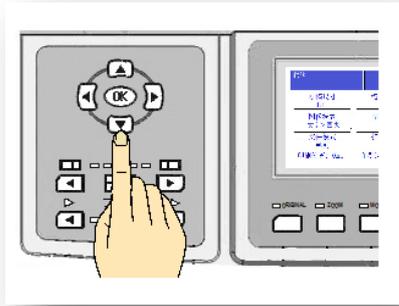
※ [8K] and [16K] are special paper sizes of Asia.

Setting method

- i) Press [Reduction / Enlargement selection] button.

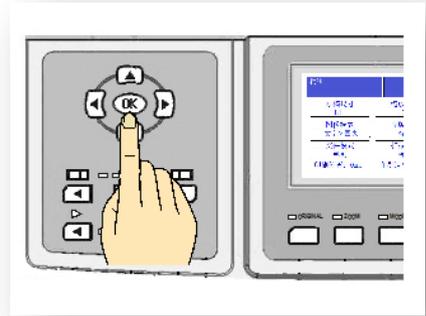


ii) Use [Cursor moving keys [▼] [▲]] to select zooming mode.



iii) Press [[OK] button] to complete setting.

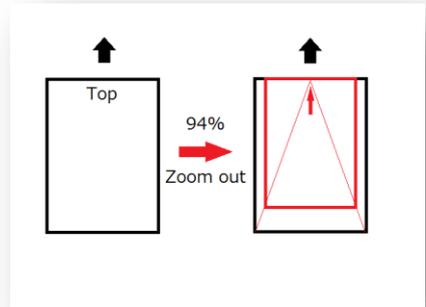
- ※ Return to basic display picture.
- ※ The display screen displays preset zooming proportion.



When setting page margin (94%)

When originals are zoomed out, the front center of the paper is based, printing is totally closer to the front end. Even if originals are zoomed out for 94% to leave page margin, the front page margin will not change, and the left and right page margin will be increased.

In consideration of paper margin, before master making, printing position is backwards moved, so as to guarantee printing work can be completed successfully.

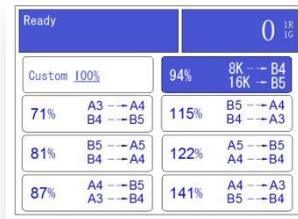


Operation process

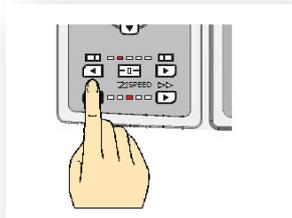
i) Place originals (Page 38)



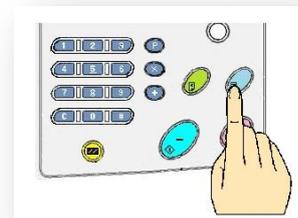
ii) Select Reduction scale (Page 63)



iii) Printing position is rearwards moved (Page 50)



iv) Start master making (Page 41)

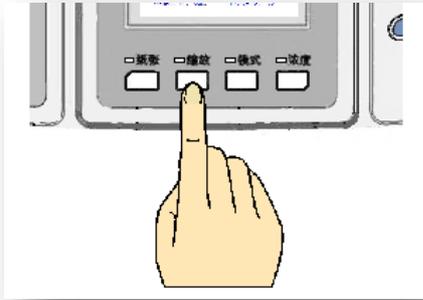


Free zoom function

Slightly control copying proportion from 50% to 200% by 1% increment.

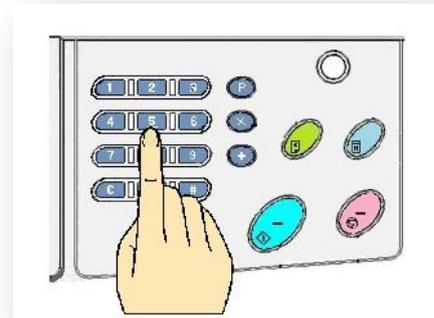
Setting method

i) Press [Stepless magnifying] button for stepless magnifying.



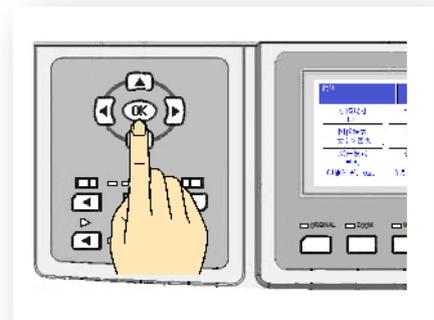
ii) Press [Custom] button and confirm, then input the number.

e.g. Input 50% zoom, then input 【5】【0】



iii) Press [【OK】 button] to complete setting.

- ※ Return to basic display picture.
- ※ The display screen displays preset zooming proportion.



 When zooming function is used, printing contents will move to the front end of paper integrally. When front blank is little, please adjust printing position. [Check](#)  (Page 50)

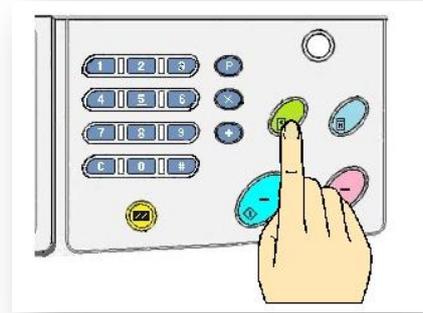
 No matter common zooming ratio or stepless zooming is used, be sure to set after setting originals. In case of setting beforehand, the ratio will recover to standard [100%] mode.

 If [Reset] button is pressed, the ratio will return to standard [100%] mode.

Proof printing number setting

When the machine starts master making and printing, there is a proof printing link after master making. After proof printing, the machine will stop. At this time, it is necessary to confirm printing position and printing quality. Proof printing button can be pressed for many times according to practical situation. The machine will complete proof printing number.

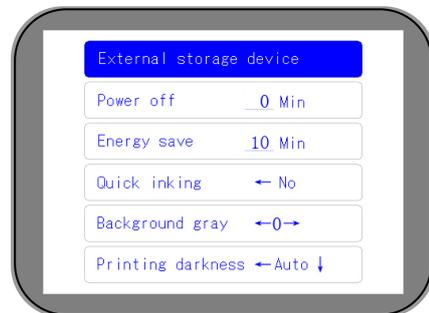
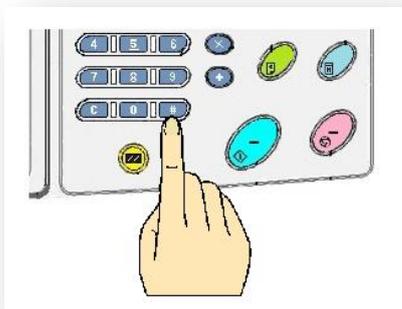
It is necessary to start proof printing after master making. By pressing proof printing button, the number of proof printing paper can be set from 1 to 9 freely. (Factory standard is 1)



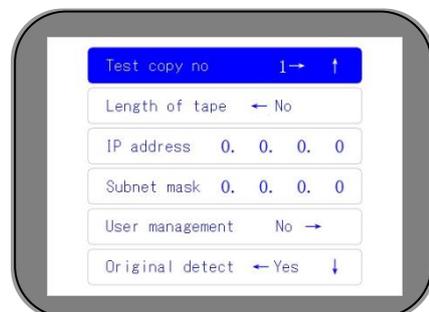
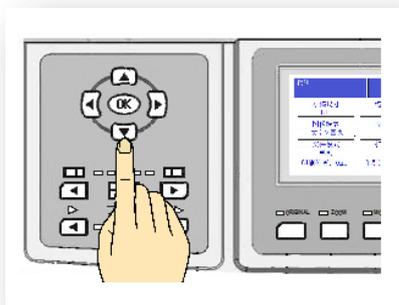
- ⊘ If printing number has been input before master making, the machine will be directly used for printing after master making without proof printing link.

Setting method

- i) Press [#] key in numeric keys to enter operation setting menu.

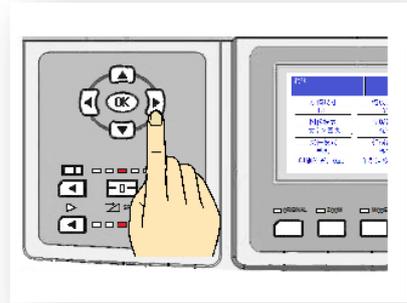


- ii) Use [Cursor moving key (▼)] to select (Test copy number). (Totally 2 pages)



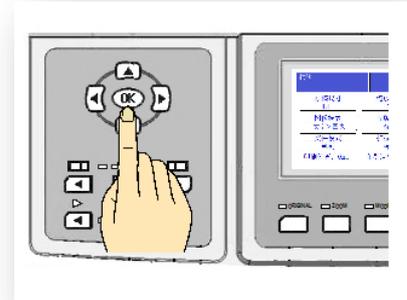
iii) Use [Cursor moving keys 【◀】 and 【▶】] to set number of sheets.

※ Can be freely set from 1 to 9.



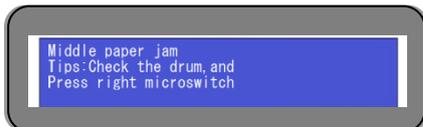
iv) Press [【OK】 button] to complete setting.

※ Return to basic display picture.



 After setting, even if the machine is powered off or reset button is pressed, proof printing number will not be reset to standard setting (1 pc).

 During master making and proof printing, if printing paper is rolled on drum, the display screen will display [Paper jam on center]. After removing jammed paper, please confirm page margin / printing position / printing concentration, and adjust according to practical condition.



Check  On originals (Page 17)
On page margin (Page 19)
Adjust printing position (Page 50)
Adjust printing concentration (Page 54)
Zoom originals (Page 63)
Information display (Page 133 / 137)

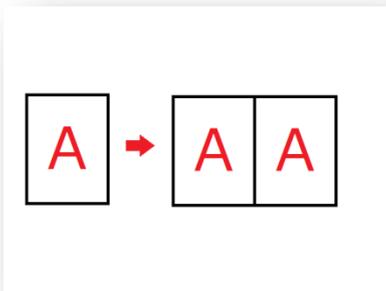
Special printing function

Two-in-one master making function

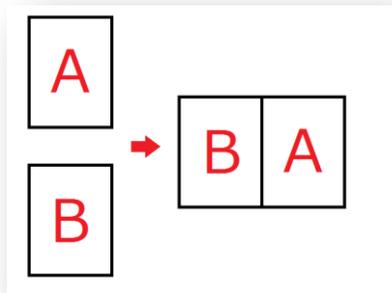
The function is used when two same or different originals are printed on one piece of paper.



The operation ways are different by the original modes.



· 1 original



· 2 original

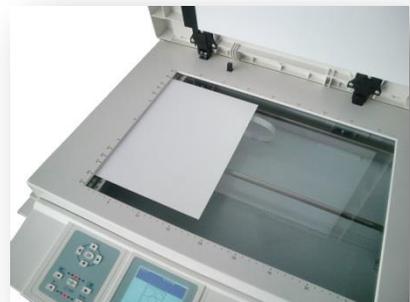
Operation method Only for VR-4345S

i) Put originals on original scanning table.



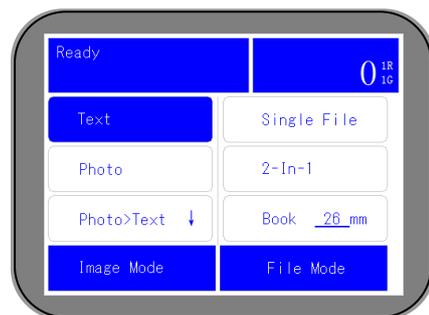
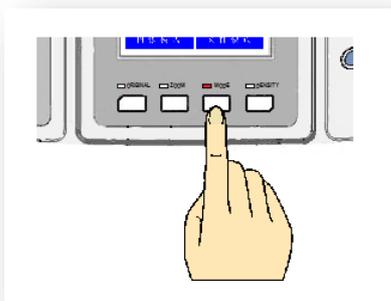
Paper setting direction is different with general setting direction.

(Long sides of originals are put on the left, as the right figure)

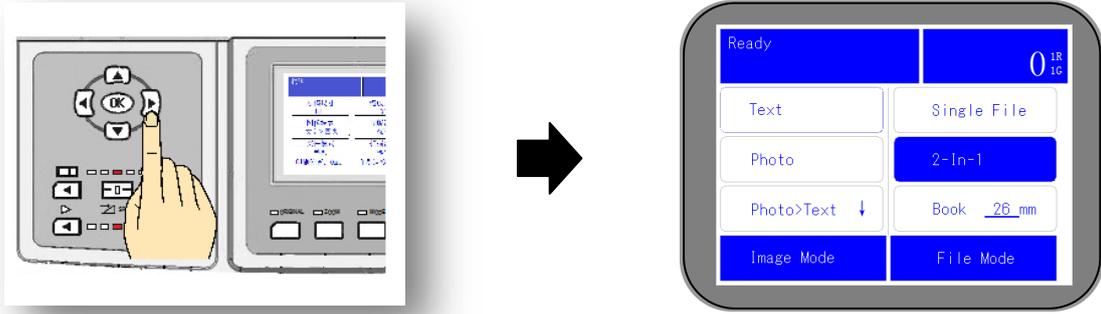


ii) Choose two in one function

a). Press **【Image selection】** button.

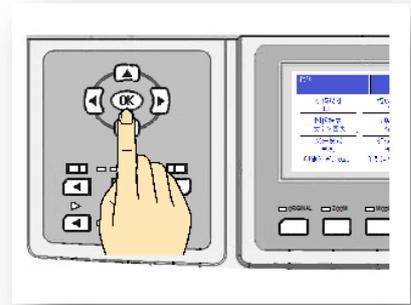


b) Use [Cursor moving key **▶**] [**▼**] to select two-in-one option.



c) Press [**OK**] button] to complete setting.

※ Return to basic display menu.



iii) Flexibly use [Original zooming] and [Original mode] functions according to practical condition.

 Generally speaking, when the original size is a half of printing paper, 100% ratio of original is used. When large original is used, original zooming function is used, but the maximum original size should be no larger than A4.

 The machine has automatic original recognition function in factory setting. If size of original used is [A4], [B5] or [A5], the machine can automatically detect original size.

 When the size of original used is [A6], please use manual original size selection function to select [Postcode]. Since sizes are different, printing position may be a little different.

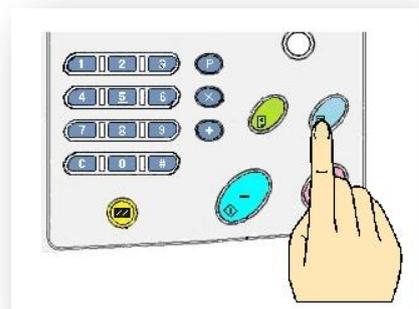
Check  Manual original size selection (Page 29)

※ Zooming proportion when using two-in-one function (Red words can be set by any proportion)

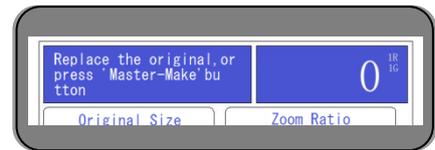
		Size of printing paper			
		B 4	A 4	B 5	A 5
Original size	A 4	8 7 %	7 1 %	6 1 %	5 0 %
	B 5	1 0 0 %	8 1 %	7 1 %	5 7 %
	A 5	1 2 2 %	1 0 0 %	8 7 %	7 1 %
	Postcard(A 6)	1 7 3 %	1 4 1 %	1 2 2 %	1 0 0 %

iv) Press [**Master making**] button.

Start to scan the first piece.



v) After the first original is scanned, prompt sound is made, and meanwhile, display information will also change.



At this time, put the second original.

 Even if the first original is used, scanning cover plate should be opened for placing originals.

vi) By closing scanning cover plate, the machine starts to scan the second original, and starts proof printing after scanning.



 After the first original is scanned, if the master making button is directly pressed without opening the scanning cover plate, the printing position of the second original will be blank. When printing on single side, the method can be used for master making.

 Before the first original is scanned, original mode and zooming proportion should be set, and they can not be changed when the second original is scanned.

Operation method Only for VR-3325S / 2335S

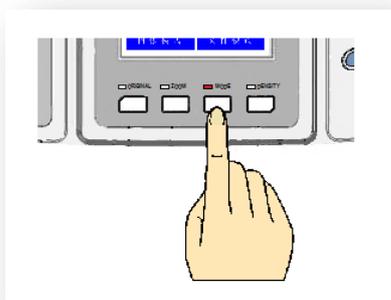
i) Put the original on the scanning table

 The paper direction of output is the opposite to the normal set direction.
(Long sides of originals are put on the left, as the right figure)

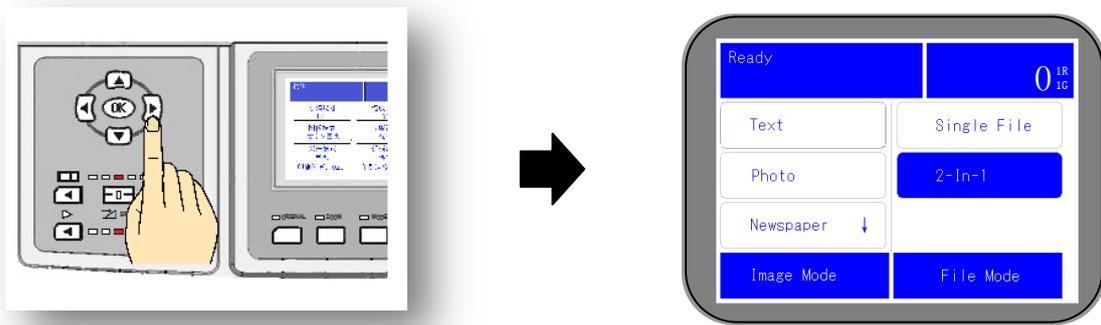


ii) Choose two in one function

a) Press **【Image selection】** button.

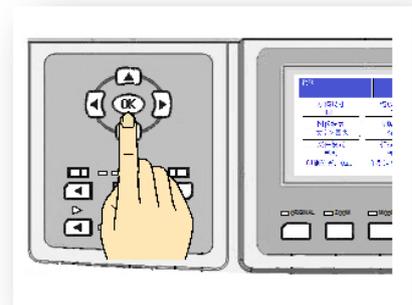


b) Use [Cursor moving key] [▶] [▼] to select two-in-one option.



c) Press [【OK】 button] to complete setting.

※ Return to basic display menu.



iii) Flexibly use [Original zooming] and [Original mode] functions according to practical condition.

 Generally speaking, when the original size is a half of printing paper, 100% ratio of original is used. When large original is used, original zooming function is used, but the maximum original size should be no larger than A4.

 When the size of original used is [A6], please use manual original size selection function to select [Postcard]. Since sizes are different, printing position may be a little different.

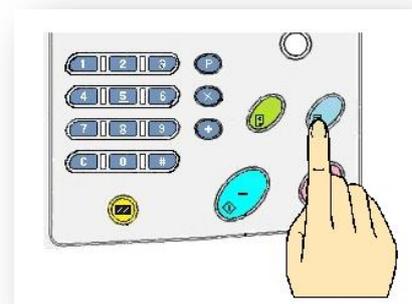
Check  Manual original size selection (Page 29)

※ Zooming proportion when using two-in-one function (Red words can be set by any proportion)

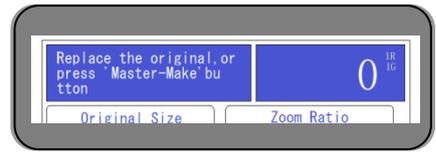
		Size of printing paper			
		B 4	A 4	B 5	A 5
Original size	A 4	8 7 %	7 1 %	6 1 %	5 0 %
	B 5	1 0 0 %	8 1 %	7 1 %	5 7 %
	A 5	1 2 2 %	1 0 0 %	8 7 %	7 1 %
	Postcard(A 6)	1 7 3 %	1 4 1 %	1 2 2 %	1 0 0 %

iv) Press [【Master making】 button].

Start to scan the first piece. The original is discharged from the left side.



v) The display changed, then put the second original. Machine will automatically scan and proof printing.



 If the original is scanned by twice , then it can realize two in one function.

 Multi-originals in one time to the paper feeding platform is not workable. Under two in one function, no matter the same original or different, it should be passed one by one for the original.

 Under two in one function, if you only need the one side print, when the first original is finished, and feed in one blank paper as the second original

 The set of the zoom, concentration before the first original will be kept the same to the second original by two in one.

Master making of books and magazines

Only for VR-4345S

Directly put books and magazines on original scanning table for printing. Since hinges floats up, there will be band-like shadow in the middle portion. The function can automatically eliminate bank-like shadow.



Operation method

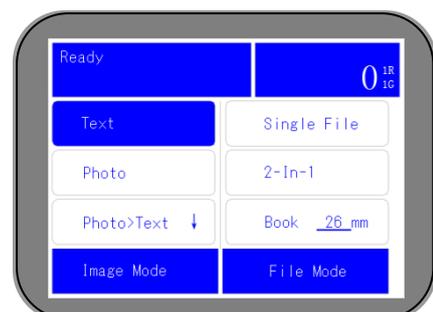
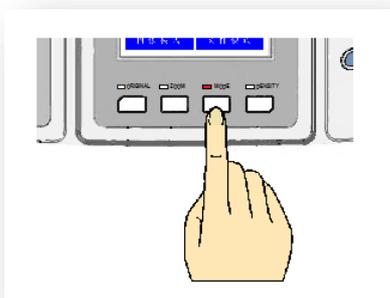
i) Open books (Magazines), turn to the page to be printed and put it on the scanning table, and cover the scanning cover plate slightly.

 The sizes of books and magazines are ranged from B6 to A4 to make sure the cover plate can be normally closed.

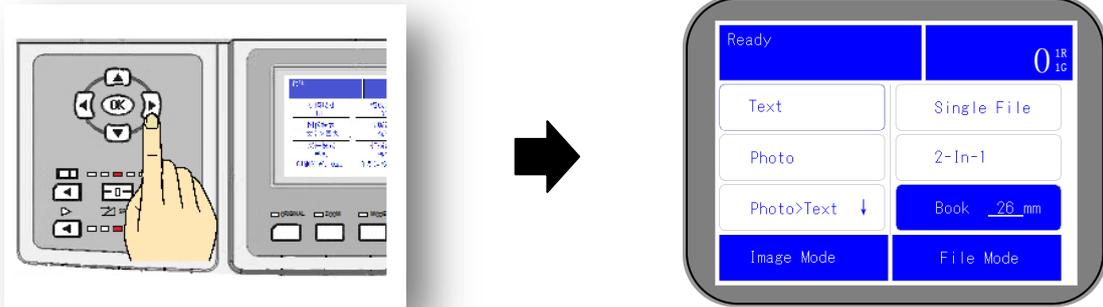
 Original scanning table is made of glass, and its maximum bearing capacity is 10kg. Do not put objects on the scanning table violently and do not drop objects on the scanning table, so as to prevent breaking glass. Do not press scanning cover plate by force.

Check  Notice (Page 7) On originals (Page 17) Prohibit copying printing matters (Page 21)

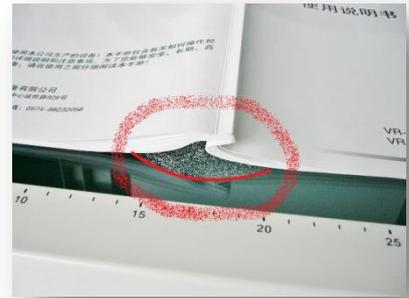
ii) Press **【Image selection】** button.



iii) Use [Cursor moving key 【▼】 【▶】] to select book mode.

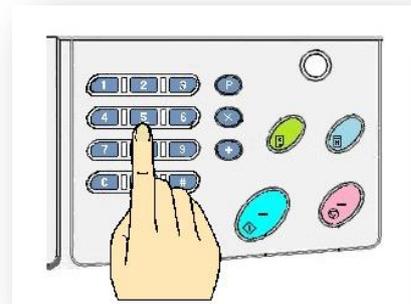


 Numbers (Number in figure is 26mm) displayed at this time are input to prevent shadows on hinges and floats of books and magazines from being printed to blank line, so as to play a role of regulating widths of shadows in books and magazines. (Standard setting is 26mm)



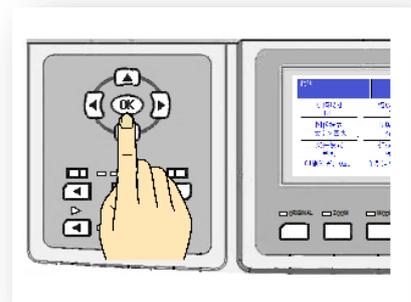
iv) Use numeric keys to input to eliminate sizes of shadows.

 Freely set from 6mm to 70mm.



v) Press [【OK】 button] to complete setting.

※ Return to basic display menu.



 Like two-in-one function, during master making for books and magazines, the general specification is A4 and B5, which can be automatically recognized by the machine. If the specification can not be recognized, please manually select corresponding size.

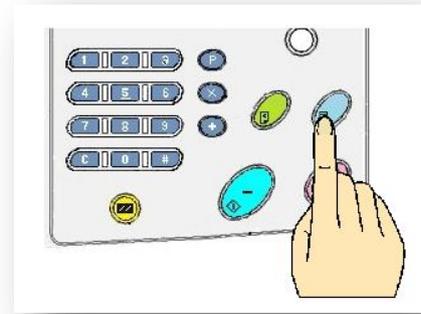
 If setting of shadow size is not reasonable, printing will disappear.

 Since originals are stereo bodies, there will be shadows around originals, which are the paper jamming causes.

vi) Press 【Master making start button】

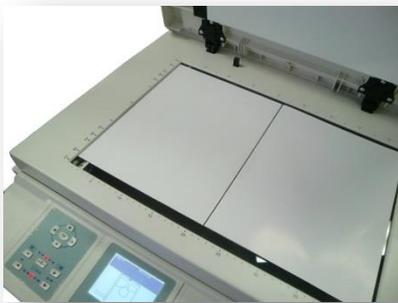


To prevent originals (Books and newspapers) floating, please press originals gently.



The method will be used easier in the following conditions

When two same-sized originals are put on scanning table in parallel for scanning and printing, there will be shadow of boundary line between two originals. In this case, book and magazine mode should be used, and shadow line should be eliminated.



Operation method is the same with master making method of books.



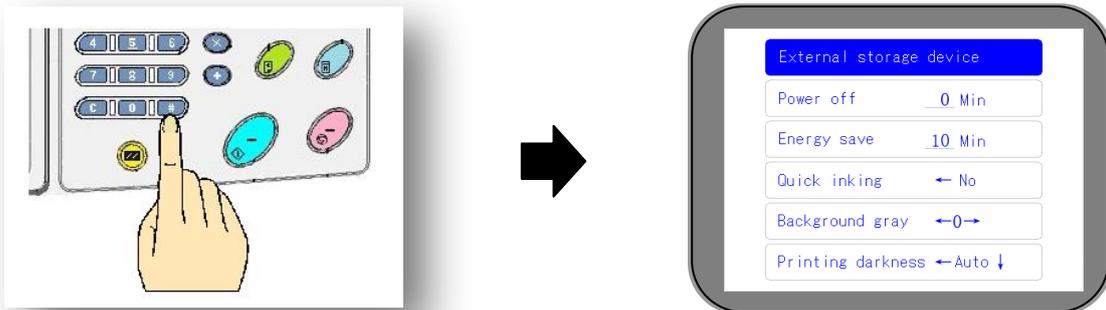
After the machine is powered off or set button is pressed down, return to standard setting (One original).

Ink saving mode

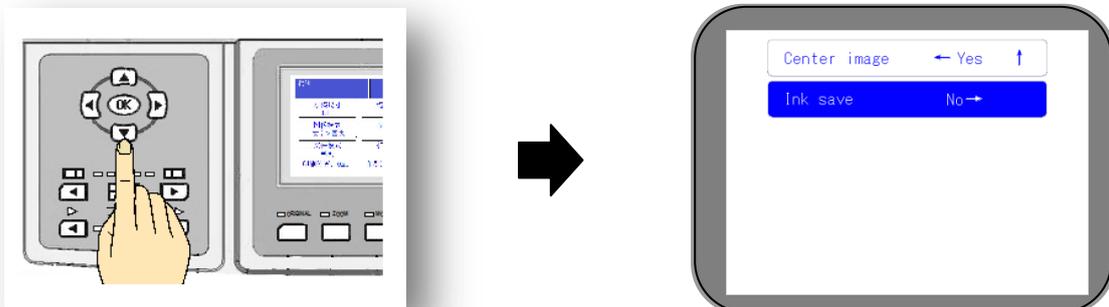
The mode can be used to save ink consumption. After the mode is used, standard setting is OFF.

Operation method

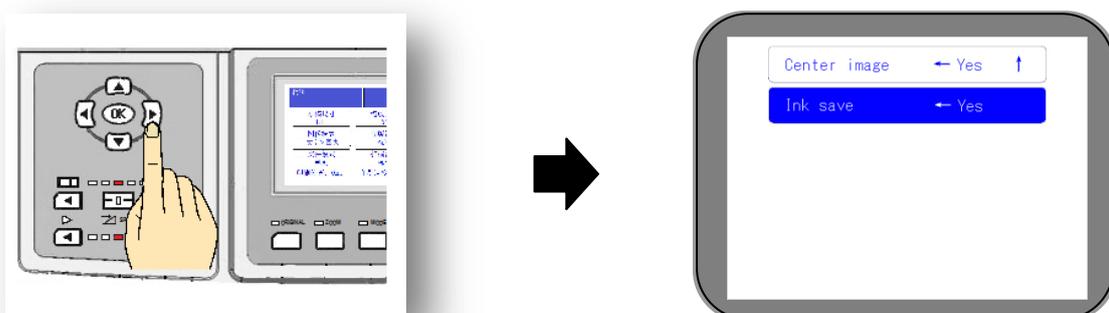
i) Press [#] key of numeric key zone to enter operation setting picture.



ii) Move to ink saving item by [Cursor moving key 【▼】]. (3 pages in total)

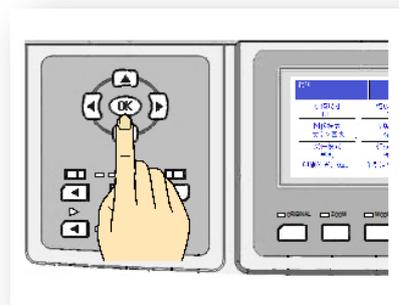


iii) Select ink saving setting by [Cursor moving key 【▶】]



iv) Press [**OK**] button] to complete setting.

※ Return to basic display picture.



Maybe there is part rotating sound in the machine, which is normal.



After the setting is completed, even if the machine is powered off or reset button is pressed, it is impossible to return to standard setting [OFF].



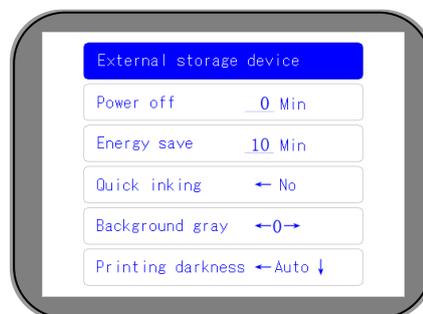
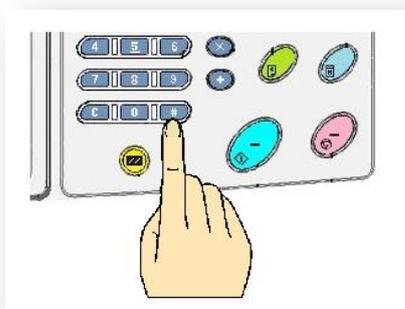
Ink volume will be controlled through lowering master making concentration in the setting. Therefore, printing quality will be slightly influenced.

Quick ink outlet function

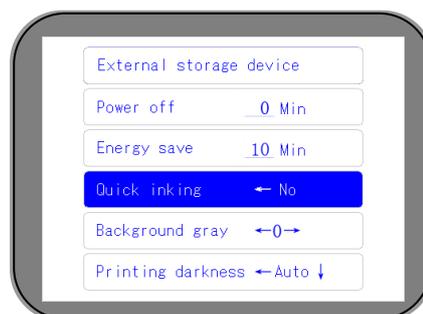
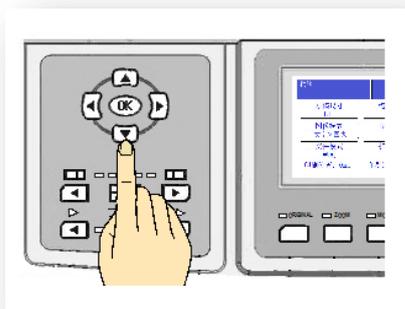
The master-making master paper should be adhered on drum by force, which is clearer than proof printing after master making. Standard setting is [OFF].

Operation method

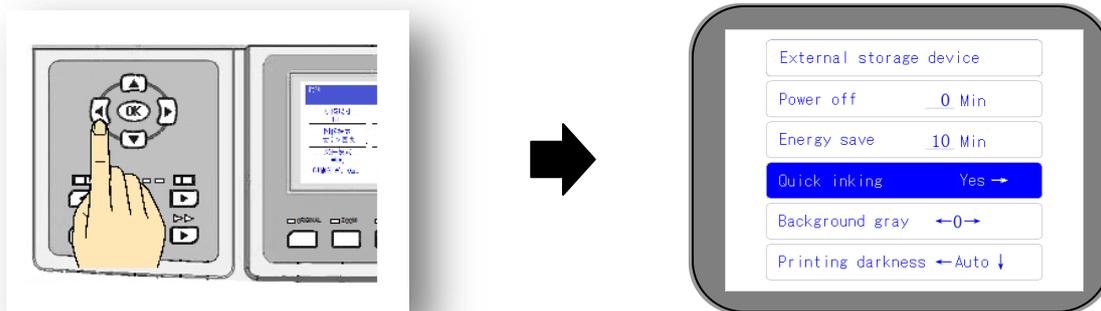
i) Press [**#**] key to enter operation setting picture.



ii) Move [Cursor moving key [**▼**]] to select quick ink outlet item. (1 page in total)

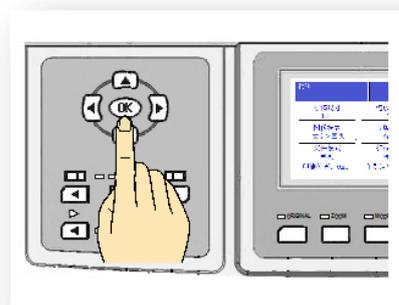


iii) Use [Cursor moving key [◀]] to select quick ink outlet setting.



iv) Press [[OK] button] to complete setting.

※ Return to basic display picture.



 After setting is completed, the paper feeding part will slowly feed one piece of printing paper. The paper will not affect actual proof printing number, and will not be numerated.

 After the setting is completed, even if the power supply is powered off or reset button is pressed, the setting will not return to standard setting [OFF].

Replacement of consumables Treatment method of waste box

- Change ink 79
- Change master paper 82
- Waste master paper treatment method 86

Treatment method of drum

- Method of taking out and mounting drum 88

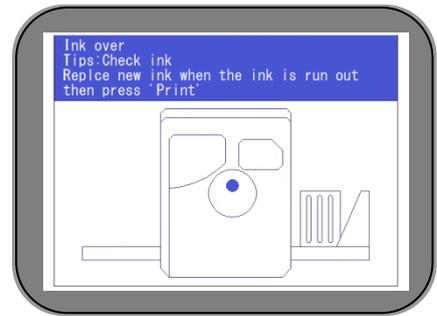
Change ink

When ink is used up, the display screen will display “ Ink Used up” , and the machine will stop.

Ink change method

i) Open the front door.

 Stop the machine before opening the front door.



ii) By switching off the ink switch, ink mounting bracket will be inclined towards human body.

 Ink cartridge is installed closely, please open with a little force.



iii) Take out the empty ink box.



) Unscrew the cover of the new ink box.

 Do not dirty clothes by ink.



v) Install the new ink box in ink mounting bracket.



 Mounting groove of ink box is clamped on corresponding position of mounting bracket.



vi) Close the mounting bracket gently and lock it.

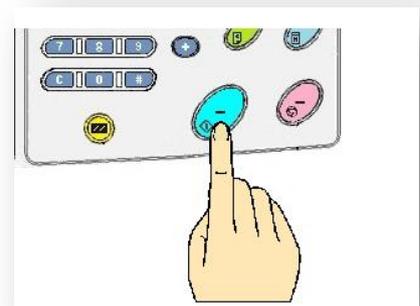
 When the mounting bracket is locked, you will hear a ticking sound.



vii) Close the front door.



viii) Press **【Print】** button.



Notices of changing ink

- ⚠ Ink in the uncovered ink box can not be placed for longer time. If air enters the ink box, ink will absorb air. If there is still ink in ink box, but the display screen displays that ink is used up, ink bag should be slightly pressed on the ink box opening.



- ⚠ When changing ink, in case of finding abnormality (Scratches / Damage / Oil leakage) of ink box, please stop using.
- ⚠ Application of nonconforming ink will lead to machine fault and bad operation.
- ⚠ Please do not store ink in ultimate high temperature / Low temperature / Direct sunlight environment to prevent ink going bad.
- ⚠ Please pay attention to the service life of ink. Overdue ink will lead to machine fault and unclear printing. Production date of ink should be recorded on ink box.
- ⚠ Please carefully read relevant notices of ink and ink box.

On ink supply



The machine will supply ink under proof printing state after master making. At this time paper feeding is terminated, and when drum is rotated, ink is supplied.

There will be hints in the right figure. The hint lasts for 90s at maximum, please wait in patient. When oil supply is completed, the machine can start printing. When ink is used up, the machine will stop, and the display screen will display [Change ink] hints.

Change master paper

When master paper installed on machine is used up, the display screen will display hints shown in the right figure.



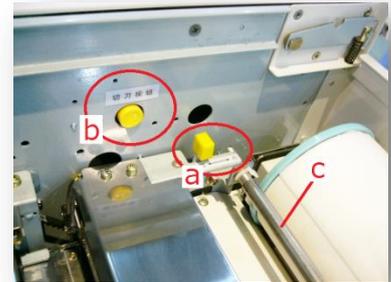
Name of component used when changing master **Check** (👉) (Page 28)



a : Thermal head release lever

b : Cutter button

c : Shaft



※ The front end of the master installation part is operation part.

Master paper changing method

i) Open original scanning table / Scanning table cover.

VR-4345S



① Press switch handle.

② Push away scanning table cover.

Check (👉) (Page 23)

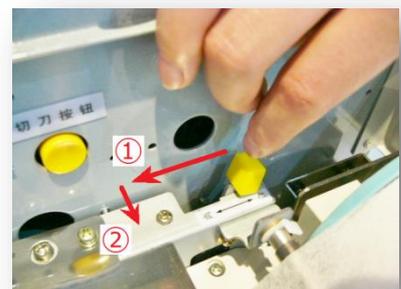
VR-3325S/2335S



ii) Push the thermal head release lever to [Open] position.

· ① Push forwards. ② Lock to left

· Because there is dragging of spring, it is necessary to put forth effort slightly.



iii) Take out exhausted master paper.

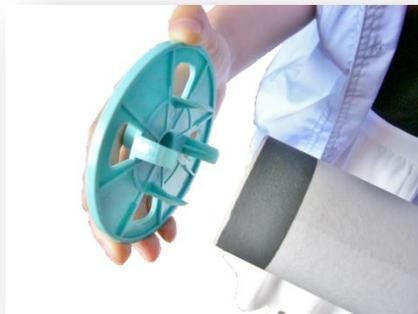
- Roll back master paper according to arrow direction, and then take it out.



iv) Pull the long preventing creasing axis of the master

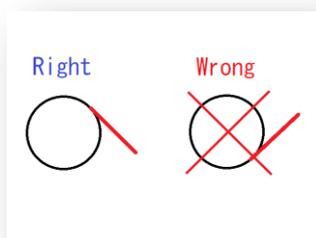


v) Take down left and right master paper flanges on masterpaper core.

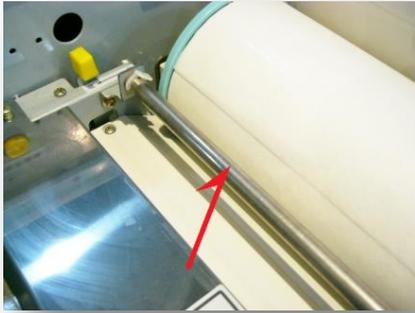


- Left and right flanges have no differences.

vi) When placing master paper, please pay attention to its direction.



vii) When master paper is put in master paper jack, continuously press cutter button.



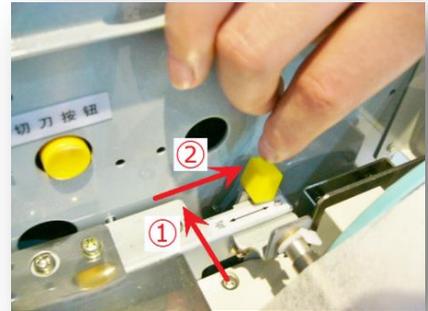
Tips

The master head go through the long axis in down direction and go forward. The finger should release from the cutter button when master has 10cm length inside. Make sure the master is not creasing.



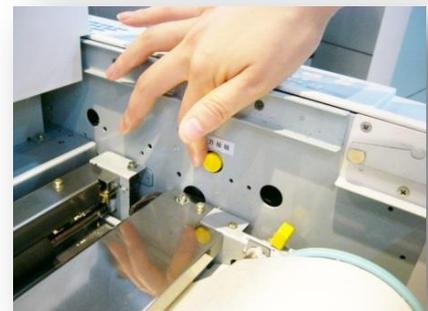
viii) Pull the thermal head release lever to [Close] position.

- ①Push forward ②Lock the left tightly
- Please push it with force due to the spring strength.



ix) Short press cutter button.

- Cutter slides to cut out residual master paper, and you can hear cutter sliding sound.



Notices (Danger)

- At this time, do not put your hands in red line indication zone in the right figure. The cutter will cut out residual master paper here.



x) After cutter stops sliding, take out master paper.

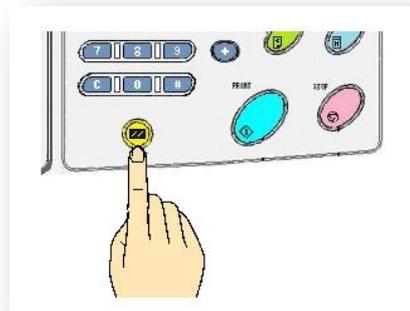
 Take out master paper after making sure sliding sound disappears.



xi) Release the long axis of preventing creasing.



xii) Close the original scanning table / Scanning table cover.
Press RESET button.



Notices of changing master paper

 Master paper is made of thin materials, and will be greatly influenced by humidity. Pay more attention to store master paper, and do not put it in the environment with ultimate high temperature and low humidity.

 Application of master paper nonconforming to the machine will lead to machine failure and bad motion.

 Please pay attention to the storage period of master paper. Long-term storage master paper will lead to machine fault and unclear printing. Before purchasing master paper, please pay attention to inventory.

 When there is still master paper on the machine but the display screen displays [Change master paper] information, take out it and reinstall it. If impossible, please change new master paper.

Check  Master paper changing information (Page 82)

Waste master paper treatment method

When new originals are used for master making, the old one will be automatically discharged in waste box. When the waste box is full, there will be hints. Please throw away old master paper in waste box.



Treatment method

i) Press the switch of the waste box to open it.



Stop running before operating the machine.

Check  Name and functions of each part (Page 26)

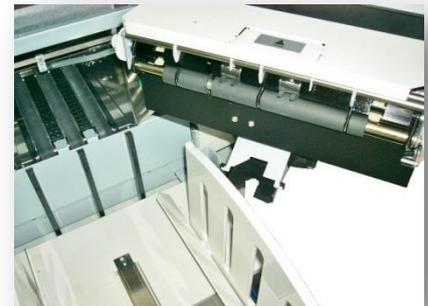


ii) Totally open the waste box.



The paper receiving tray is blocked during operation, it can be folded temporarily.

Check  Name and functions of each part (Page 26)



iii) By pressing the switch of waste box, the cover plate on the waste box will be opened.



iv) Take out the core rolled with waste master paper.



Do not touch master paper to prevent ink sticking on your hand.



v) Hold the paper core by one hand and dispose it to waste box.



The core should be sloped down slightly, so as to take down waste master paper easily.



Core will be recycled, please do not throw it away.



vi) Put the core back to the waste box.



vii) By pressing the upper cover, you will hear a sound of "bang" when it is locked.



viii) When the outer cover is closed, you will hear a sound of "cracking" when it is locked.



No matter why the upper cover of the waste box is opened, please throw away the old one no matter the waste box is full or not.



The old one is with ink, please pack it by plastic bag or paper before discarded, so as to prevent polluting surrounding objects.

Pull-out and installation method of drum

Remove card paper in the machine, and pull out the drum for cleaning the inside of the machine.



 Before drum is pulled out of the machine, please first confirm whether the place to place drum is flat or not; if the drum is placed on uneven place, the drum will be damaged or other accidents will be caused.

 The drum is equipped with ink. Please pay attention to avoid ink sticking on your hands and clothes when the drum is pulled out.

 Do this in power-on state.

i) Open the front door.

- After the front door is opened, the drum will rotate. Operate after rotation stops.
(Judge through movement sound)



ii) Pull the drum mounting handle up to unlock.



iii) Pull out the drum.

- Please pull out the drum slowly. The drum will be blocked by braked when pulled to the final position.



iv) Hold the handle by one hand, and hold the drum frame by other hand and take out the drum.

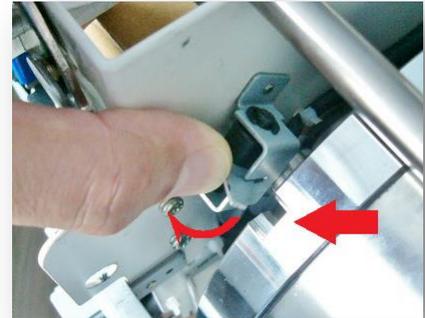
- Pull up the drum slightly to make it leave guide rail.



v) Install in opposite sequence.

Rotate the drum when it is pulled out of the machine body

- Generally, the position of the drum is fixed by brake. The brake should be unlocked to rotate the drum arbitrarily.



- When the drum is totally pulled out of the machine body, rotate the drum to left.



- When the drum is put back to the machine body, please adjust the drum to make fixed position of the brake inosculated with brake.

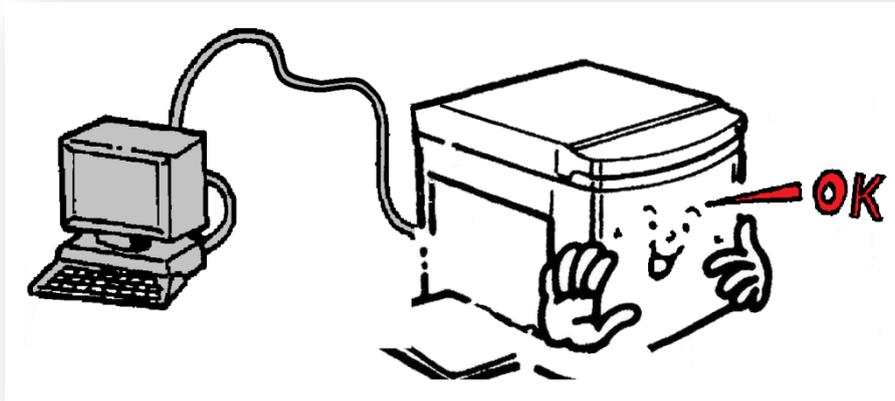


 If the fixed position of the brake is not inosculated with brake, the drum can not be installed. Mandatory installation will cause machine fault.

 Do not rotate the drum when it is half pulled out of the machine body, which will lead to drum failure.

Online printing function

USB Data cable connection



The machine is not only used to print single page and originals of books and magazines, can but also send documents and data made in computer to the digital duplicator for printing.

3 Ways :

- LAN connection (VR-4345S can be optional function)
- USB data cable connection (applicable to all machine models)
- U flash disk data reading (standard function for 4345S; Optional for VR-2235S/3325S)

When the above methods are used, please use special [Digital duplicator driver]. Please install beforehand.

 Procedure as below based on [Windows 7 / 64bit edition]

Special printing drive is programmed as per [Ver 3,2]. This drive (Ver3,2), could be applicable for [Windows10 / 32bit].

• Installation sequence of digital duplicator driver	91
• Initial setting of digital duplicator driver	103
• Network connections	106
• Online printing (LAN / USB)	117
• U flash disk printing	120

Installation sequence of digital duplicator driver

Before installation

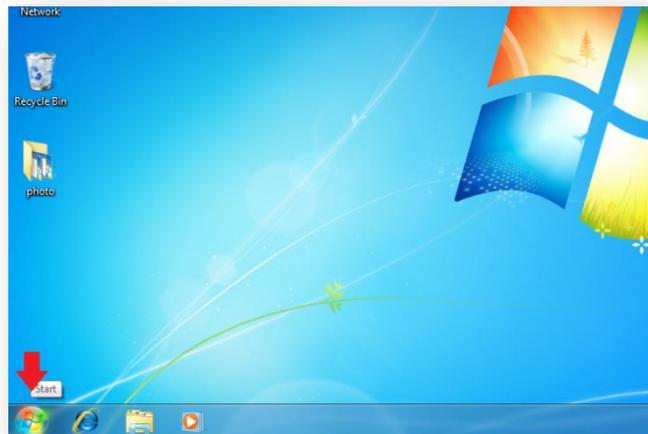
Since computer will be used in different environments (Brand, OS and safety prevention), information in installation process may be different with the Manual or installation may be failed, please understand. The Manual is prepared according to operation system [Windows7 / 64bit].

Firstly,

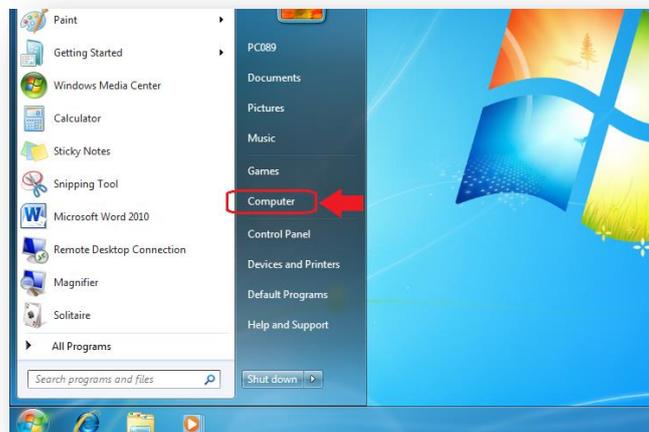
Please confirm computer operation system, and install according to the operation sequence in Manual step by step and according to confirmed contents. (If the installation has been known, the following contents can be omitted).

Confirmation method of operation system

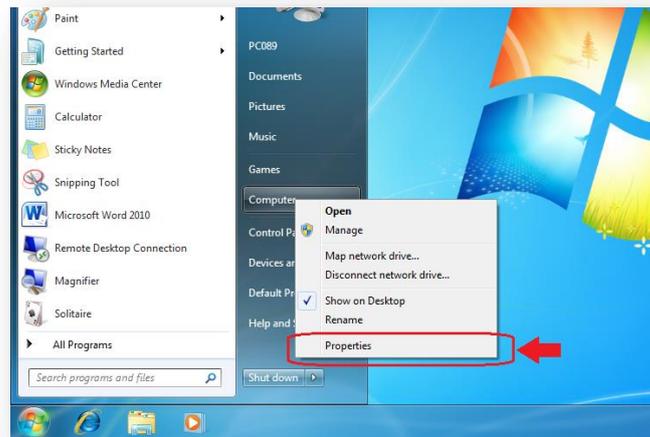
1. First click lower left start button in startup state.



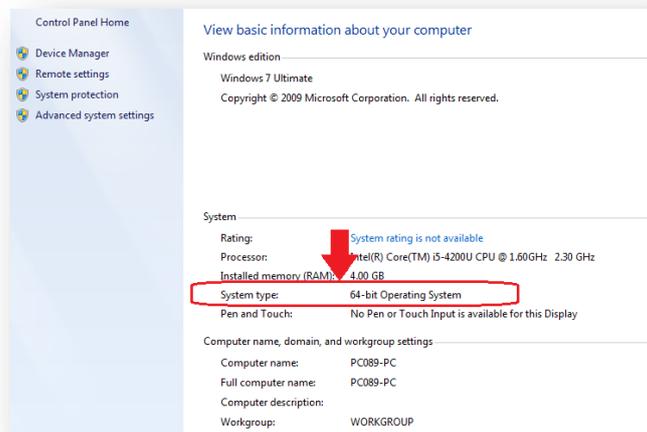
2. After selecting [Computer], click the right key of the mouse.



3. Click [Properties].



4. Numbers under [System type] are bit numbers of [Operation system].



※ The figure above shows [64bit edition]

5. After confirmation, please click the upper right [Close (C)] button of the window, then the display window disappears.



Operation system is divided into two kinds of [32bit] edition and [64bit] edition. Since [Installation of digital duplicator driver] has requirements on this item, be sure to confirm this item.

Installation of digital duplicator driver

Firstly,

Digital duplicator driver is installed when the computer is powered on and the power supply of the digital duplicator is powered off.

LAN connection / USB data cable connection / U flash disk printing, all the methods need install the digital duplicator drive. LAN connection needs install drive programme. The programme (printer driver programme installation) can be omitted.

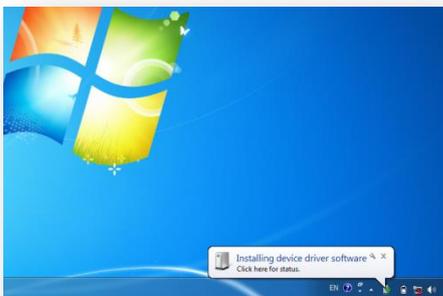
The installation is under status of turning on computer power but switching off the power of digital duplicator.

1. Connect the computer and digital duplicator by USB power cord of the digital duplicator.



USB Port is on the right side of the operation panel. **Check** (Page 26)
(Please check the USB port as per computer accordingly.)

2. Once the digital duplicator is powered on, the computer will automatically recognize and display [Digital duplicator connected] information.

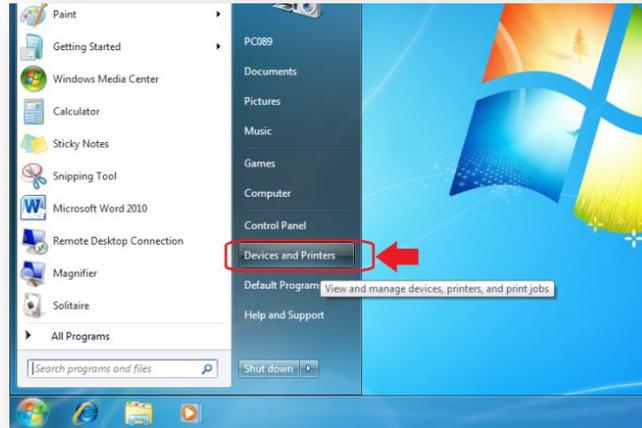


- Start the next step after information display.

3. Click [Device and printers].



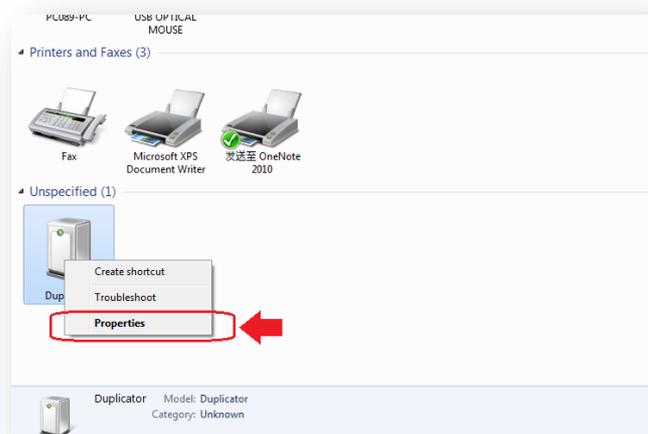
4. Click [Device and printer]



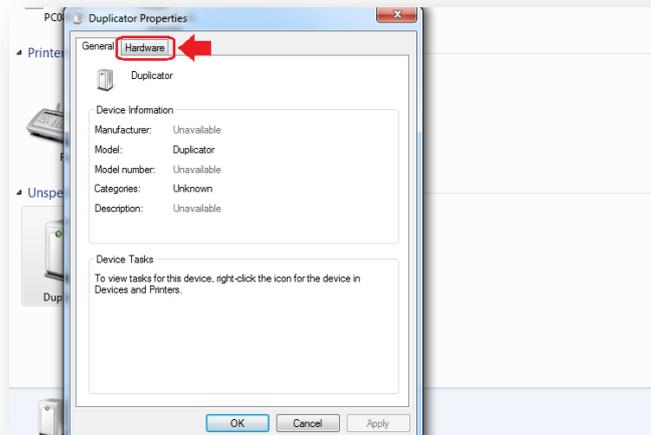
5. The printer connected has been recognized and displayed by [Duplicator]. Click the right key of mouse in the option.



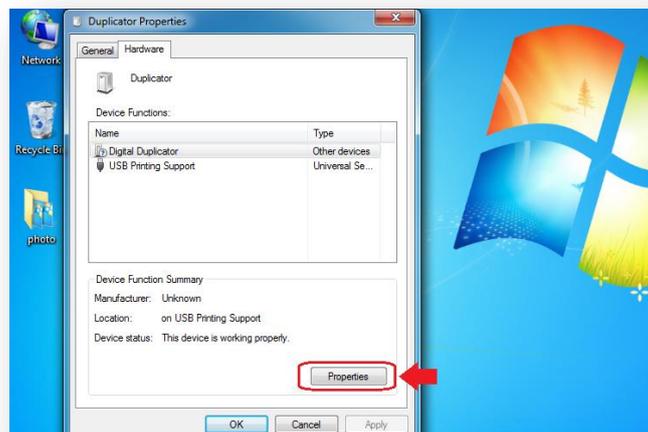
6. Click [Properties].



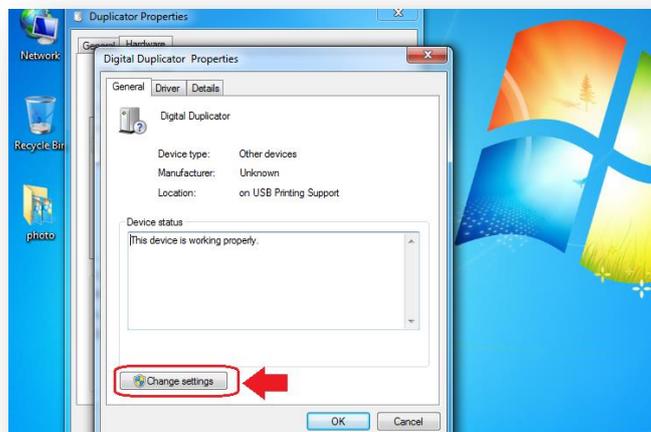
7. Click [Hardware] in [Duplicator properties].



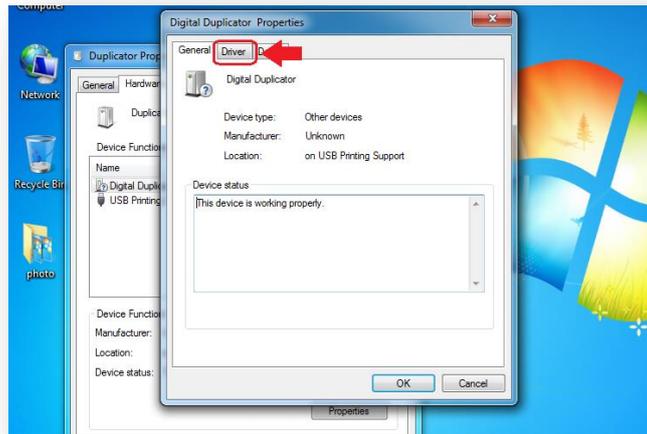
8. Click [Properties].



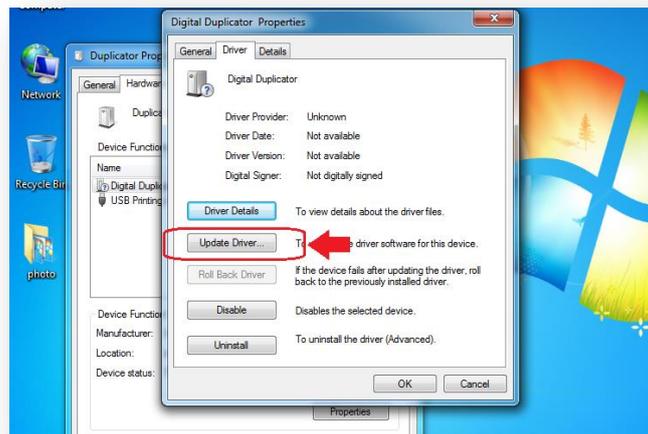
9. Click [Change setting] in [Duplicator properties].



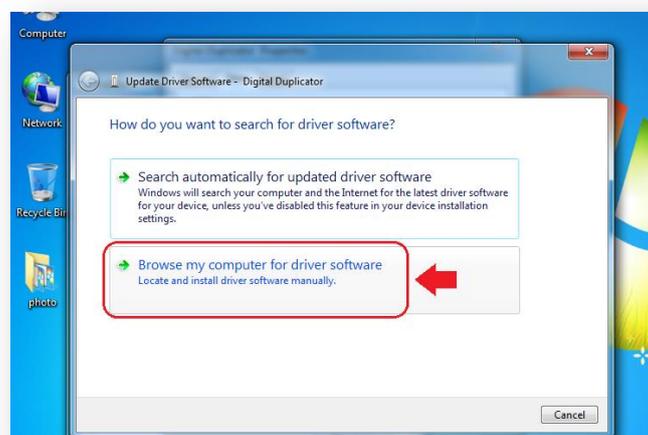
10. Click [Driver].



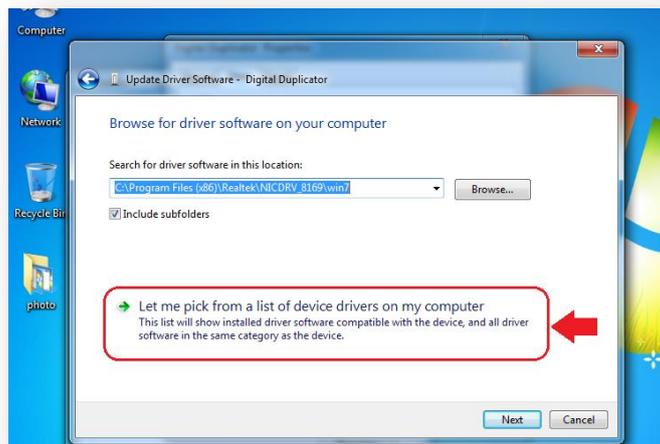
11. Click [Update driver].



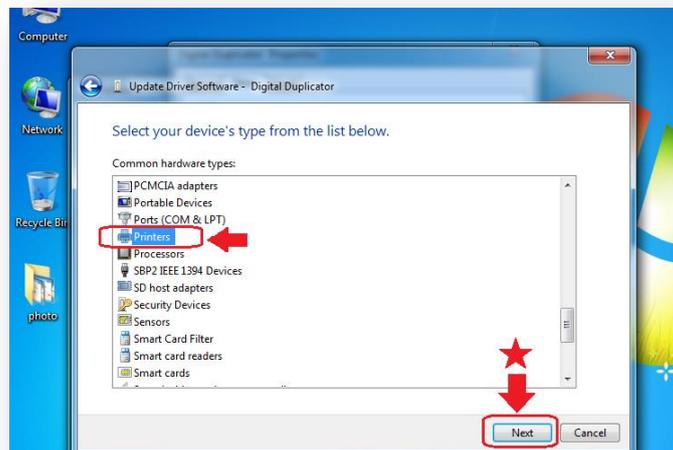
12. Click [Browse my computer for driver software] in [How to search drive software].



13. Click option in [Browse for driver software on your computer].

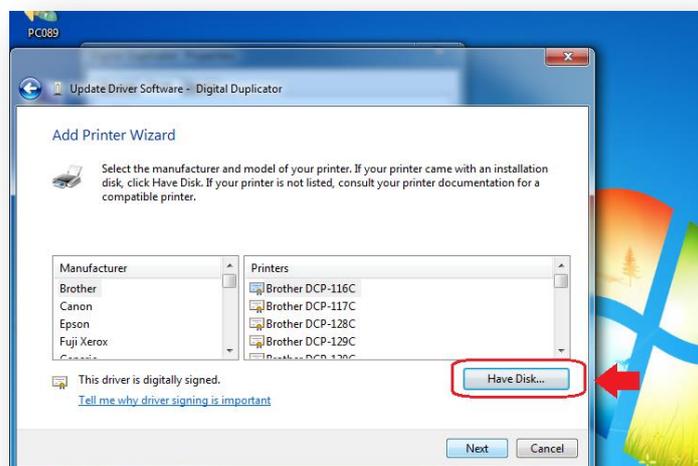


14. Double click [Printer] in [Common hardware types].

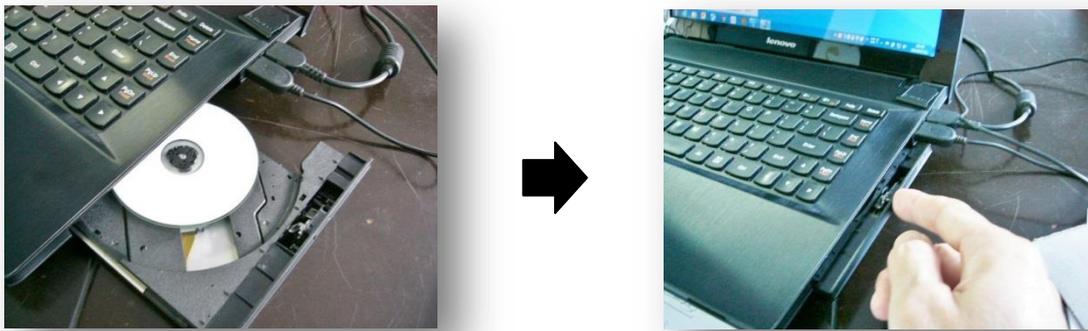


• After double clicking [Printer], click [Next (N)].

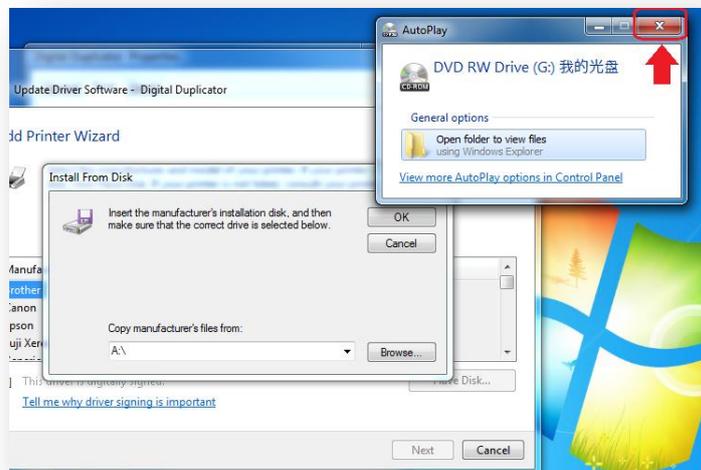
15. Click [Have disk] in [Add printer wizard].



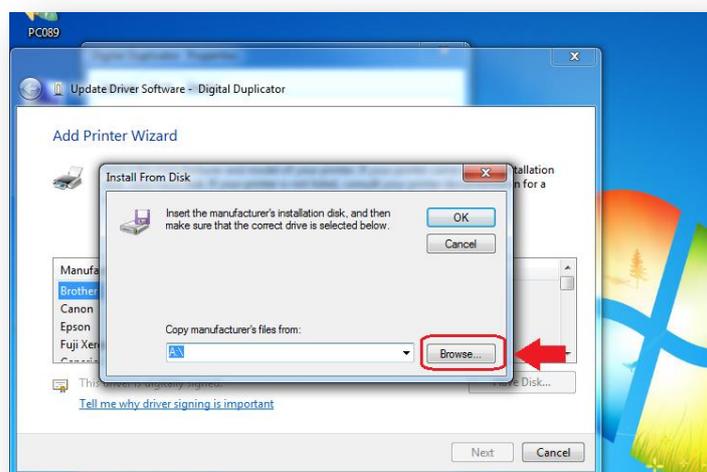
16. Install CD attached in computer driver.



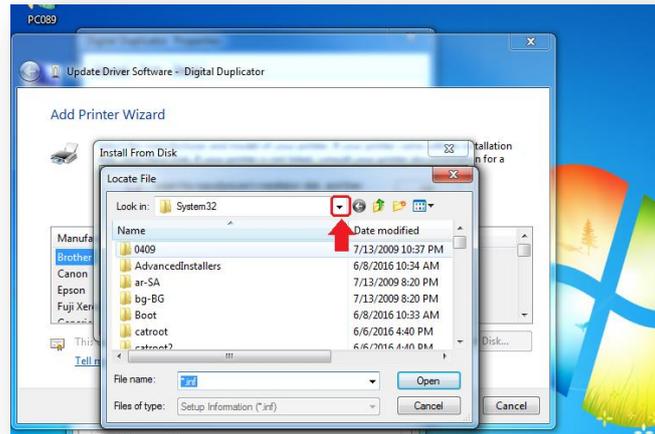
17. When [Autoplay] picture is automatically displayed, click upper right [Close (C)] option.



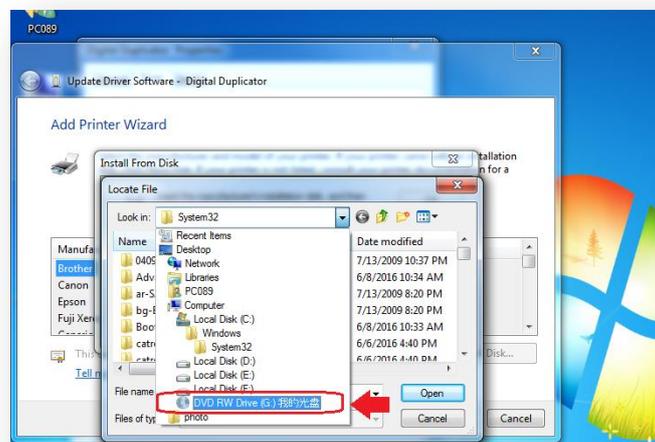
18. [Install from Disk] picture will be displayed, at this time, click [Browse (B)] option.



19 . Click [▼] key in [Look in] in [Locate file].



20. Click [DVD RW drive] option in [Look in] table.



21. Contents of CD installed in computer driver in step [16] will be displayed. Double click [All Driver] folder file.

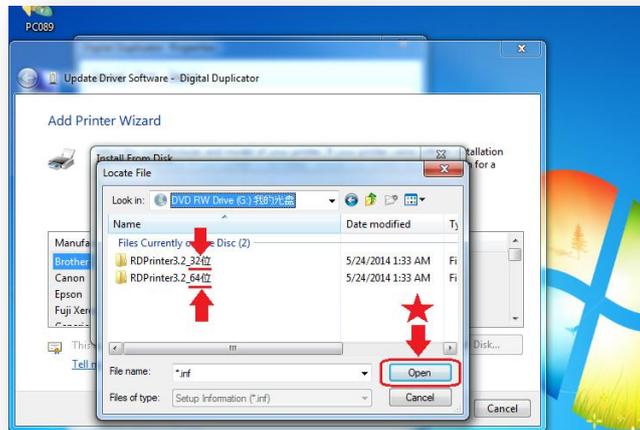


- Double click [All Driver] and then click [Open] option.

22. Show the files saved in CD. The display of the files are different as per PC and CD type.

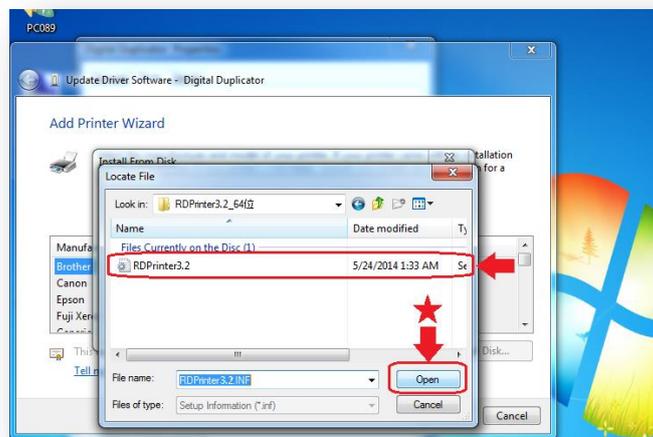


23. [Operation system] has been confirmed in page 91 of the book, please double click folder file matched with computer bit numbers.



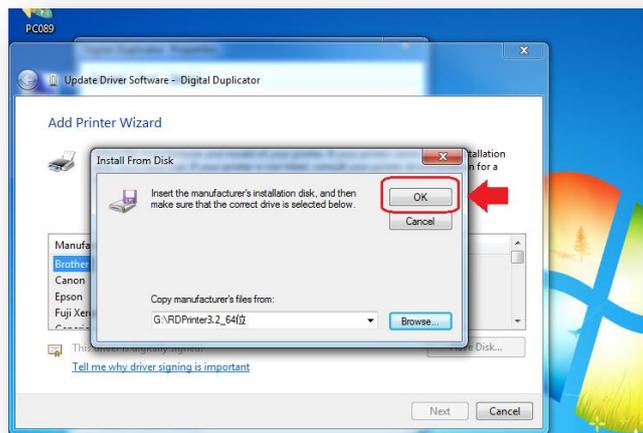
- Select folder file at random, and click [Open (O)] option after selection.

24. Display [Digital duplicator driver] program menu, and double click [RDPrinter3.2] option.

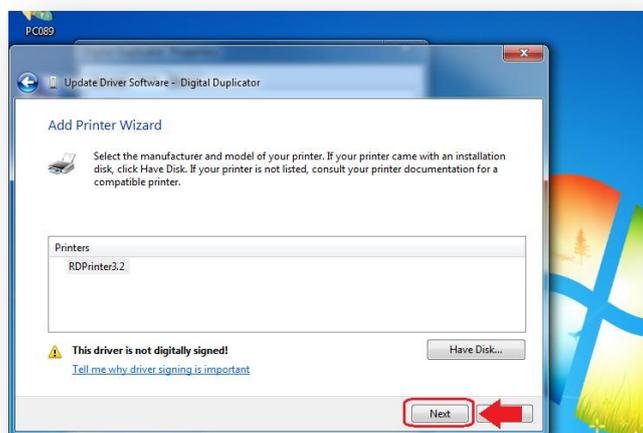


- Double click [RDPrinter3.2], and then click [Open (O)] option.

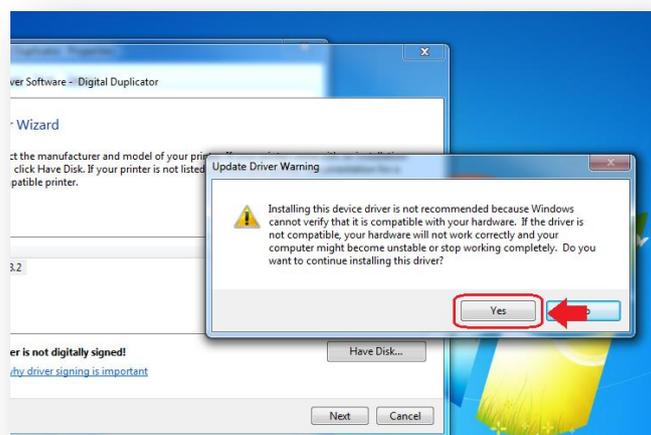
25 . [Install from Disk] menu will be displayed, please click [OK] option.



26. Click [Next (N)].

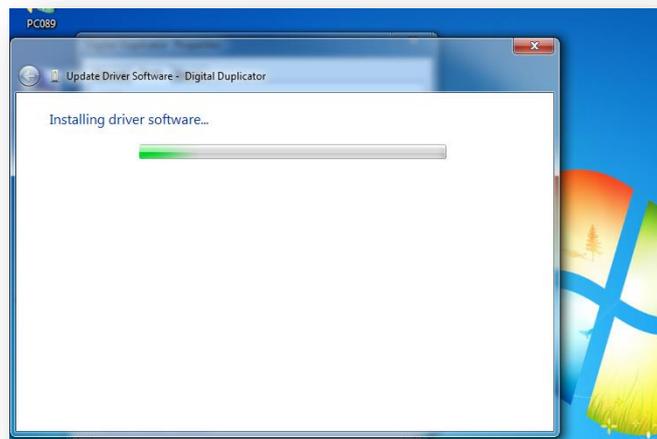


27. Program installation related reminding menu will be displayed, inquire [Whether to continue installation], click [Yes (Y)] option.

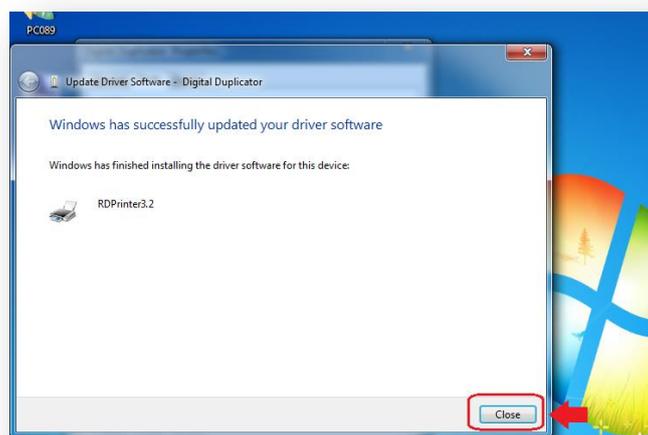


- There may be show hints and confirmation menu for many times. Please continuously click [Yes (Y)] option.

28. Digital duplicator driver starts installation, please wait for a moment.



29. When [Installation completion] information is displayed, click [Close (C)] to complete installation.

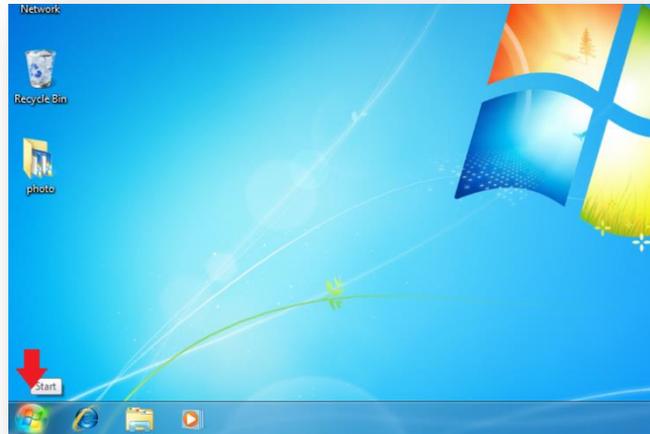


30. By clicking upper right [Close] button, the picture will disappear.

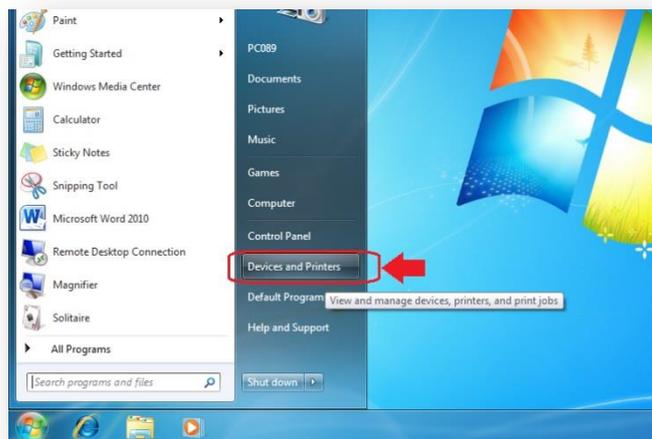
Initial setting of digital duplicator driver

After computer is connected with digital duplicator, initial setting is necessary during initial printing and U flash disk printing.

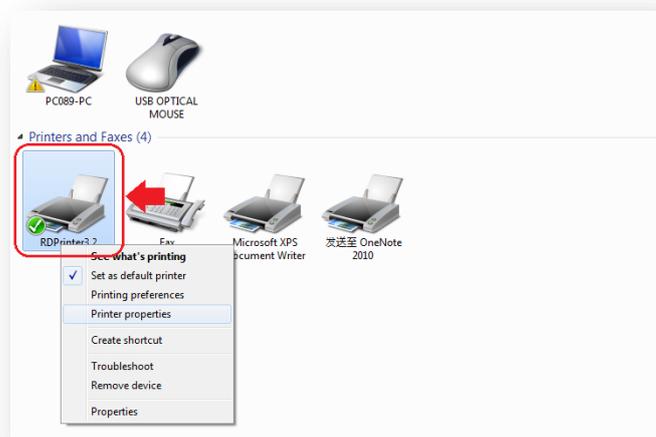
1. Click the lower left [Start] button on desktop.



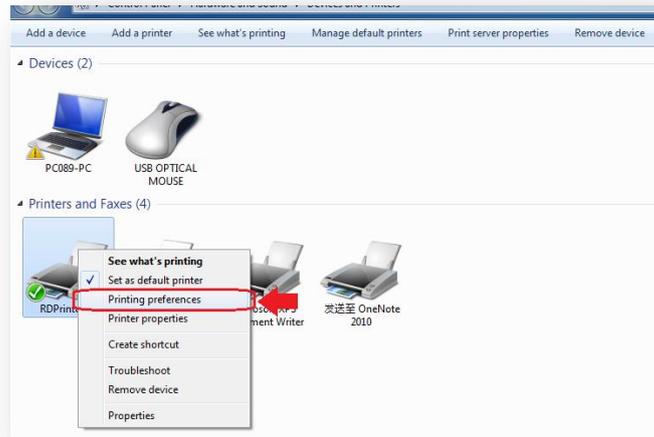
2. Click [Devices and printers].



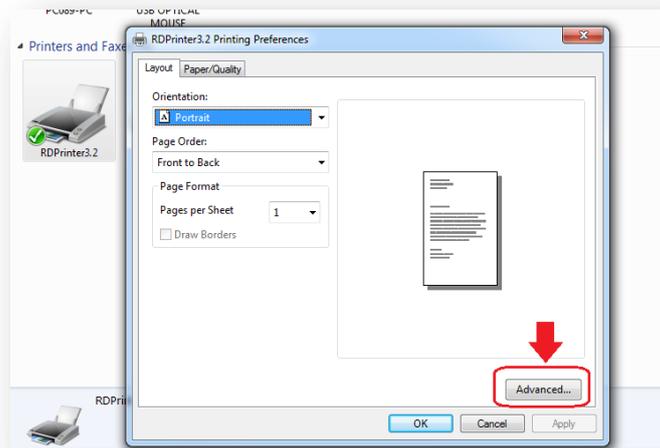
3. All printers connected with computer will be displayed. Right click [RDPrinter3.2].



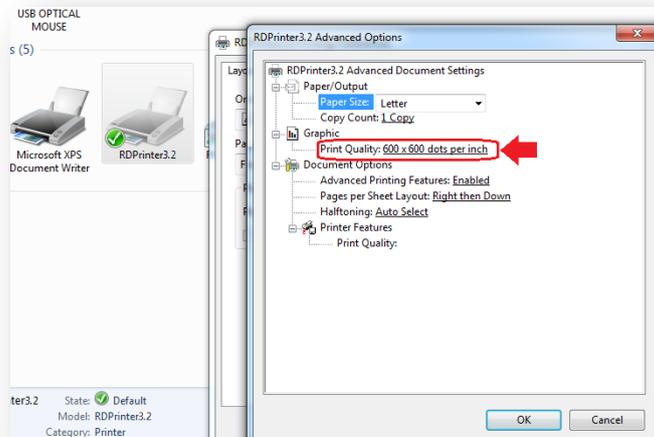
4. Click [Printing preference (G)] option.



5. Click [Advance].

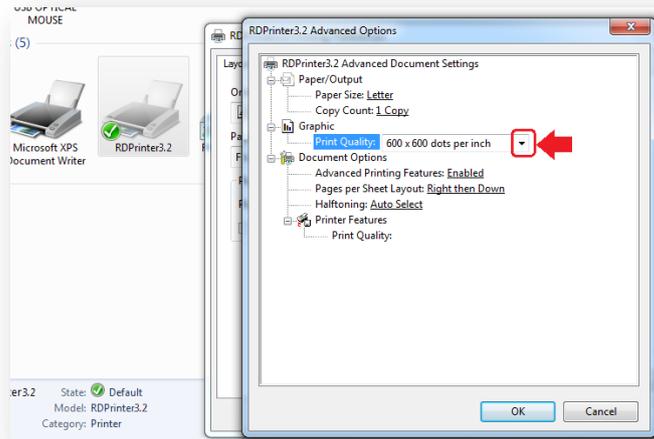


6. Click printing quality [600 × 600 dots per inch].

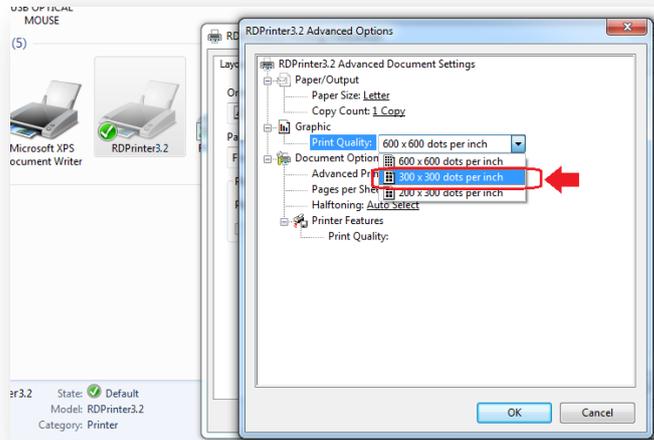


- If display contents are [300 × 300...], directly go to Step 9.

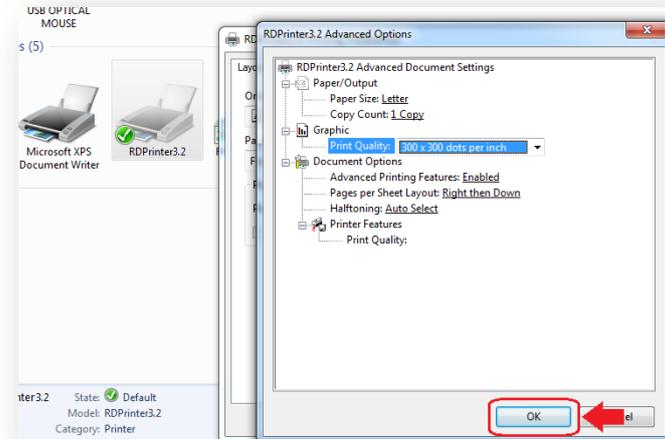
7. Click the right [▼] button of [600 × 600...].



8. 3 items will be displayed. Click [300 × 300 dots per inch].



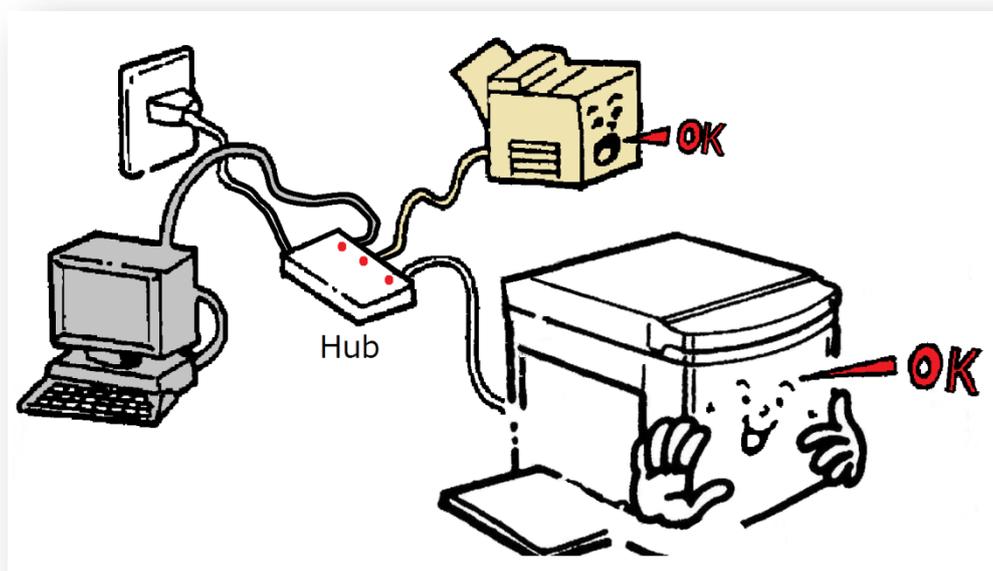
9. Click [OK].



10. Click upper right [Close] button, and close the window that has been set.

Network printing function

Only optional for VR-4345S



Digital duplicator should be connected with network in network covered zone, so that all people in network zone can use the digital duplicator. But before using LAN printing function, each user should install the digital duplicator driver on computer.

Confirm IP address

After digital duplicator is connected with network, [IP address] will be automatically generated in digital duplicator. If 'home' of digital duplicator is confirmed, inquire the data in later setting.

Two ways to set up IP. ① Automatic setting when connect to network ② Set freely. The process attached based on the second way to avoid false action among electrical appliances in LAN..

Firstly please confirm the available IP address in LAN with administration.

The available IP set in advance in this duplicator is [192 .168 .1 .120] or [192 .168 .1 .130]. It will happen net faulty if there is IP address conflict. So please confirm the IP address you will use is available or not with your IT.

The IP we used in this duplicator is [192 . 168 . 1 . 130].

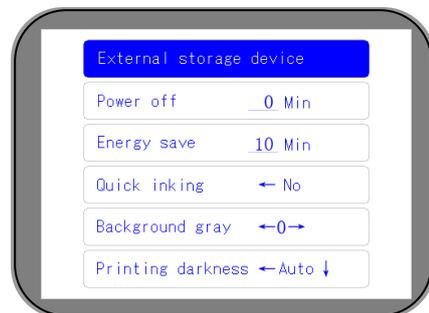
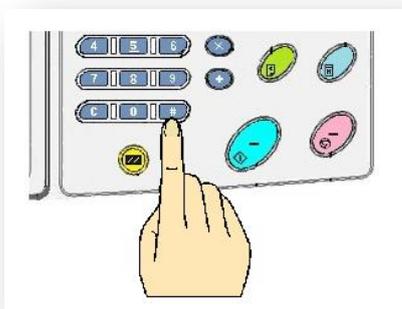
1 . Connect digital duplicator and switch with network cable.



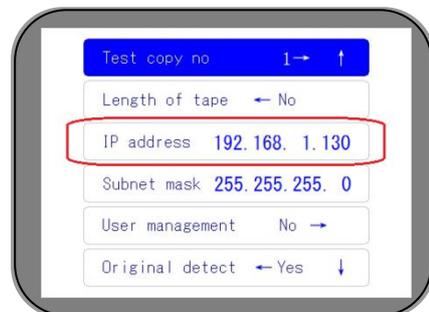
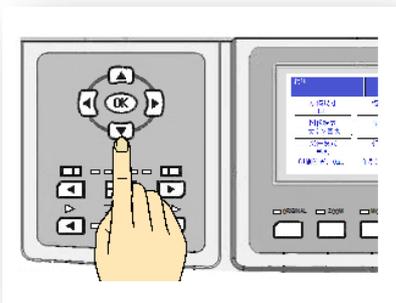
2. Open the power switch of digital duplicator.



3. Press [#] key in numeric keys to enter setting picture.



4. Use [Cursor moving button (▼)] to enter the second page.



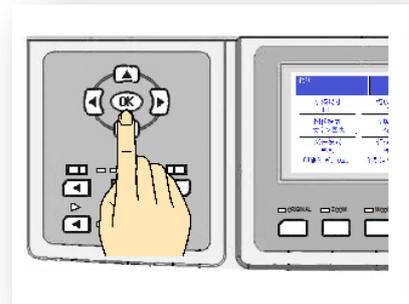
5. Record IP address (Used later)

- IP address in the example is [192.168.1.130].
("dot" , should be also input)



 IP address will be different as per the network. It can be checked on the digital duplicator.

6. Press **【OK】** button ,return the picture.

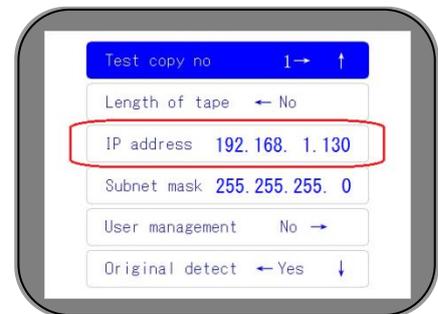


If preset IP address is occupied

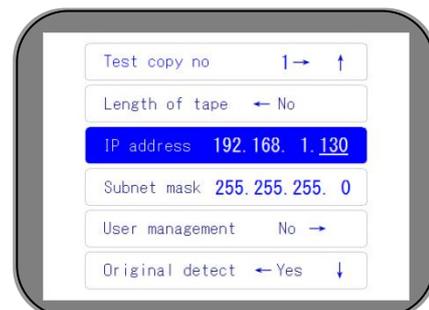
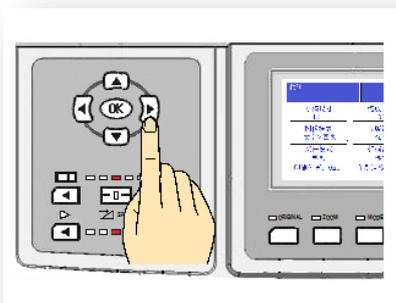
If IP address [192 .168 .1 .120] or [192 .168 .1 .130] is already used,then change a new IP address.

Preset method

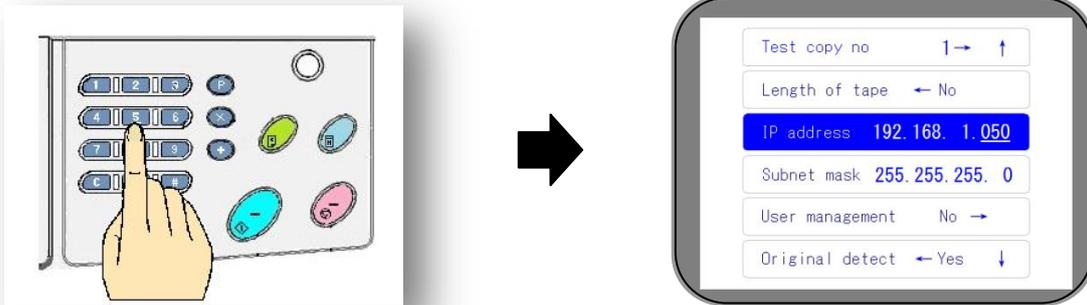
- 1 . Take look at page 109 [1 . ~ 4 .],to confirm the presetted IP address.



- 2 . Click three times continually Cursor moving button **【▶】** , move to the last.



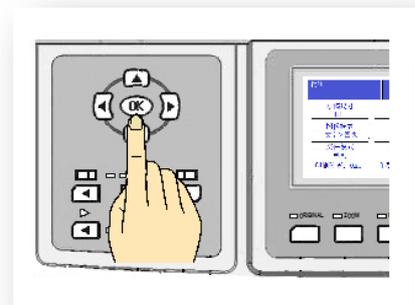
3 . Check with administrator in advance, to input last digit for the IP address under his permission.



Tips

- Input [050] in last example , only use numeric button to input [0] → [5] → [0] .
- In case IP address shows [0 . 0 . 0 . 0] , according to the method [1 . ~ 3 .] , put it from the first digit. At the same time, input [255 . 255 . 255 . 0] for [subnet mask] .

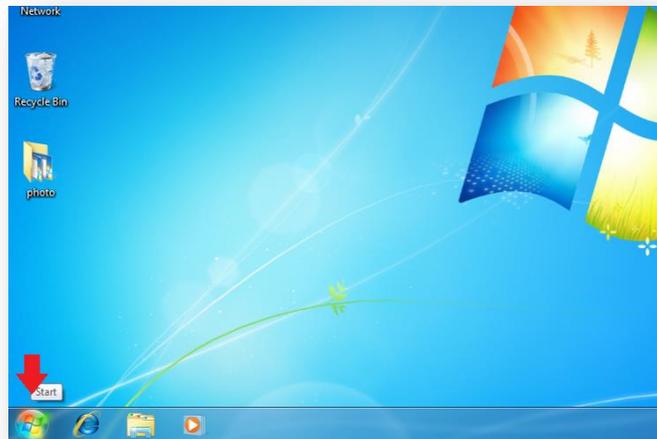
4. Press **【OK】** to return to the basic picture.



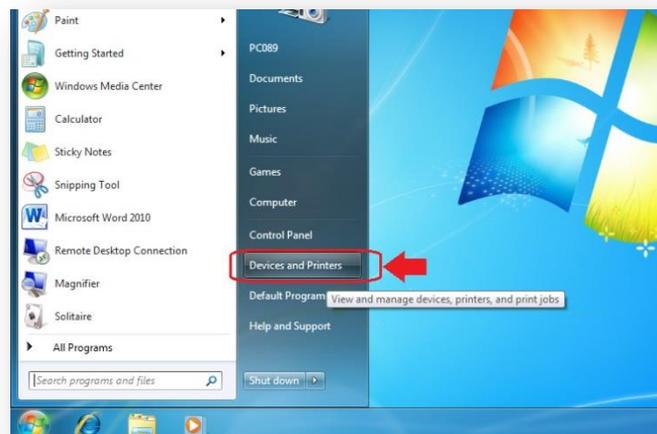
Network connections fo computer

Network covered computer should be connected with network first. And the IP address confirmed on page 106 should be kept in mind . Here,takes [192.168.1.130] as an example.

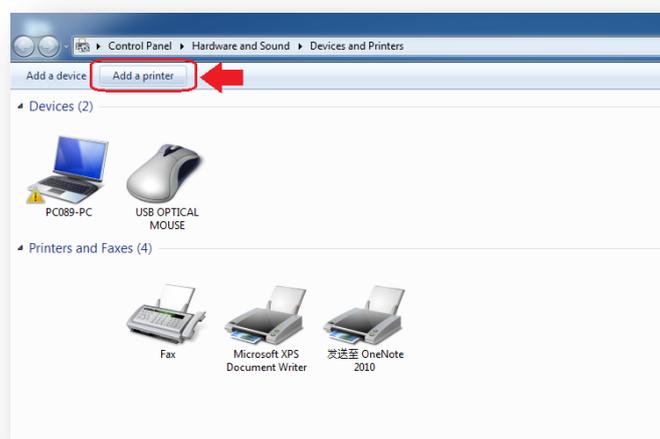
1. Click the lower left [Start] button on desktop.



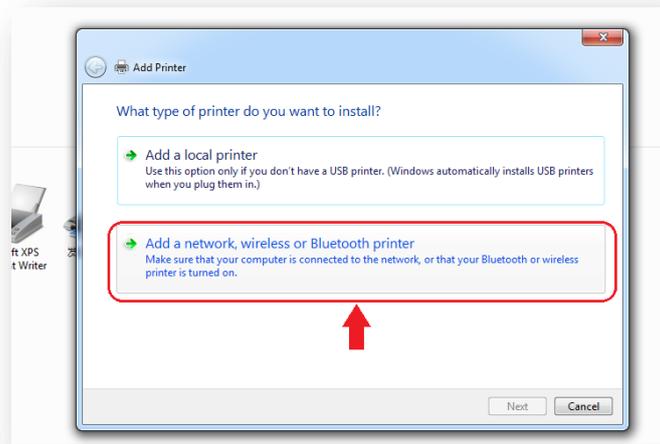
2. Click [Devices and printers].



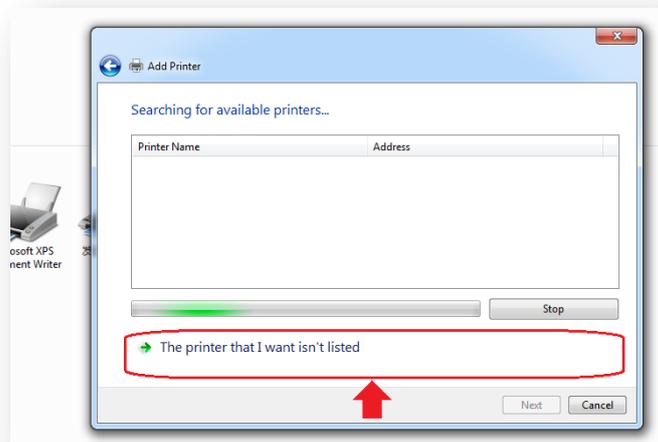
3. Click [Add printer].



4. Click [Add a network, wireless or Bluetooth printer].

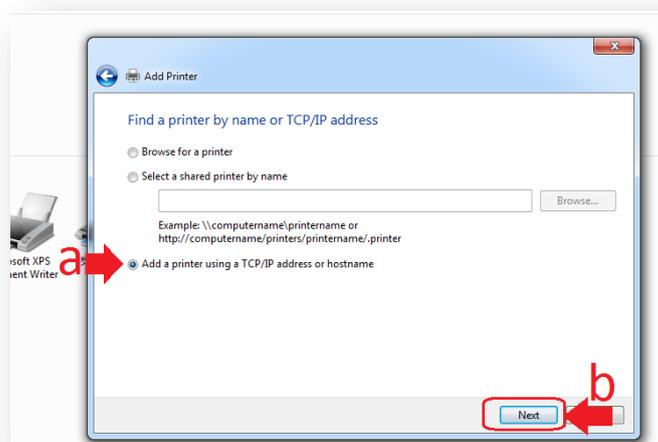


5. Click [The printer that I want isn't listed].

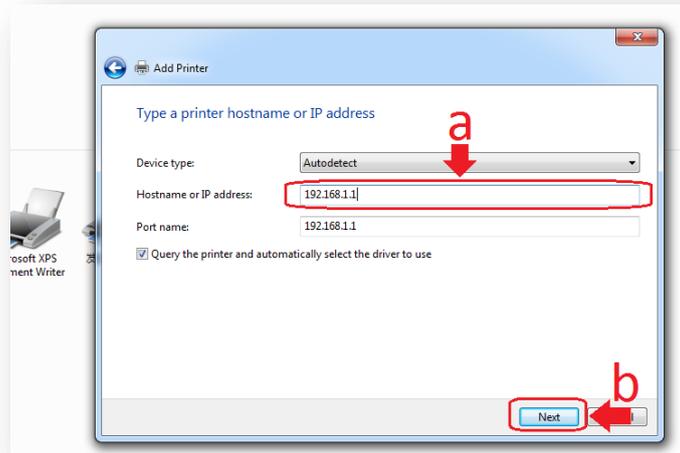


- If there are a few printers are connected under internet, then it will take some time, but even if it is under searching, this item still can be chosen.

6. After clicking -a) [Add a printer using a TCP/ IP address or hostname], click -b) [Next step (N)].

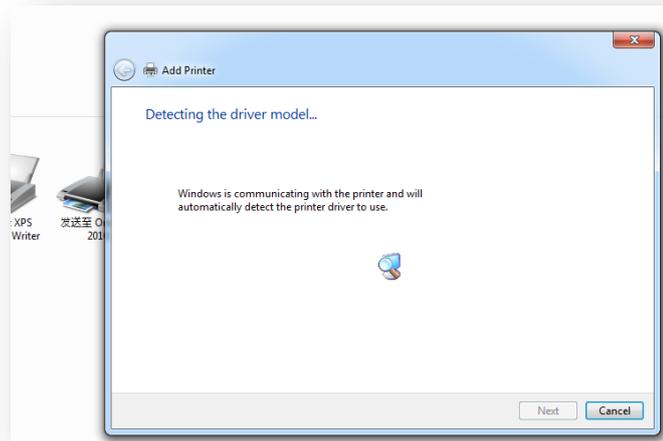


7. Input the confirmed, a) Input [IP address], click -b) [Next step (N)].



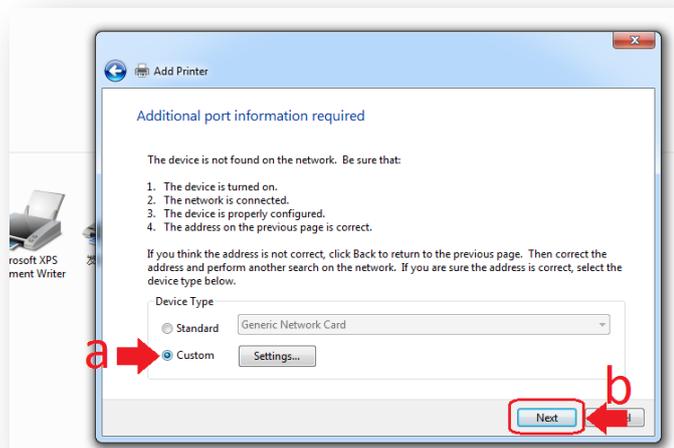
 IP Address should be rightly input in half-angle state, including [.] Input the same IP address in port.

8. Detecting[TC/IP port].

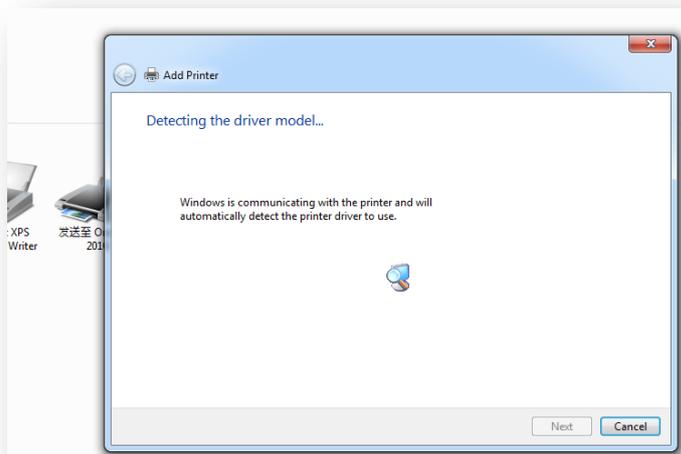


 According to service environment, detection could take some time, please wait in patient.

9. [Additional port information required] will be displayed, and after clicking -a) [Custom (C)], click -b) [Next step (N)].

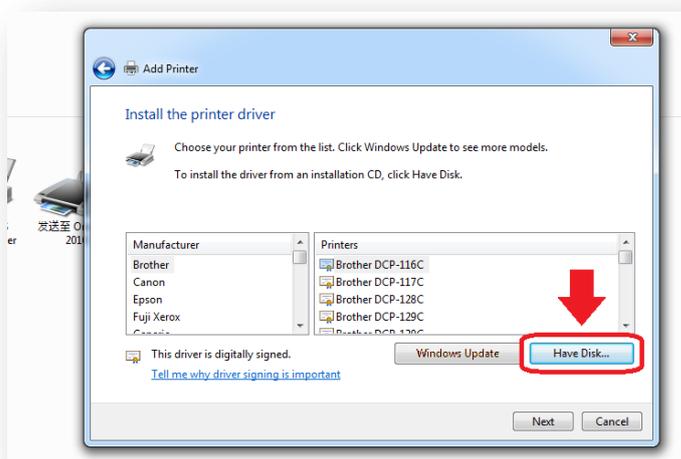


10. [Detecting the driver model...] will be displayed.



 According to service environment, detection could take some time, please wait in patient.

11. After [Printer installation driver] is displayed, click [Disk installation (H)].



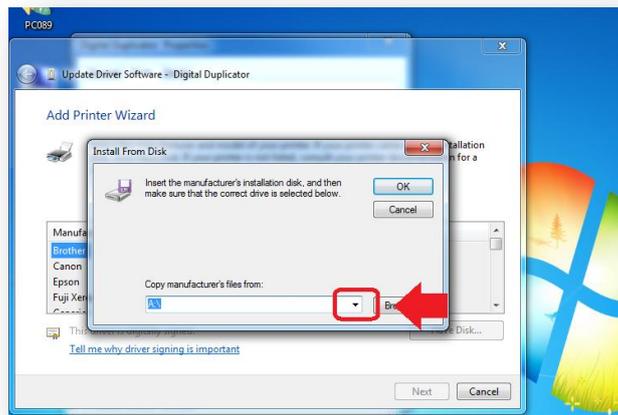
- Printer is still searching for other installed drivers and takes some time, but it still can choose the item Disk installation (H) .

12. Install CD attached in computer driver.

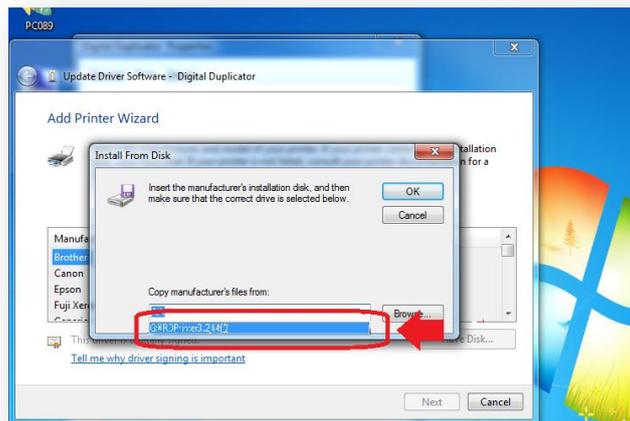


- Operation method should be actually confirmed through computer.

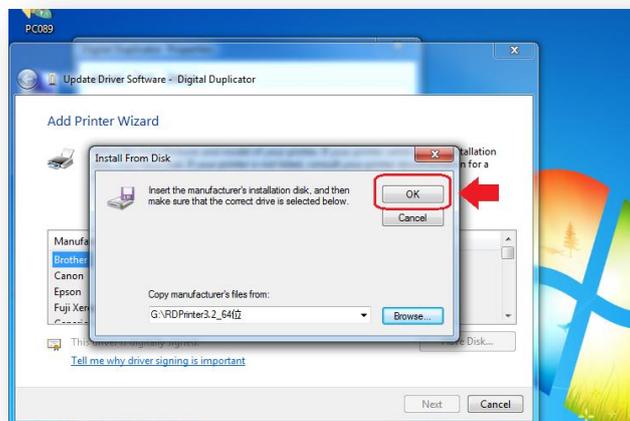
13. Click right side [▼] of [Copy manufacturer' s files from].



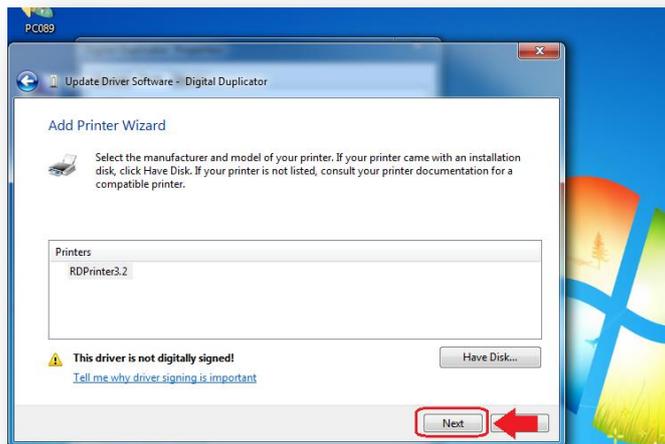
14. Click the installed [RDPrinter3.2] in CD by step [12].



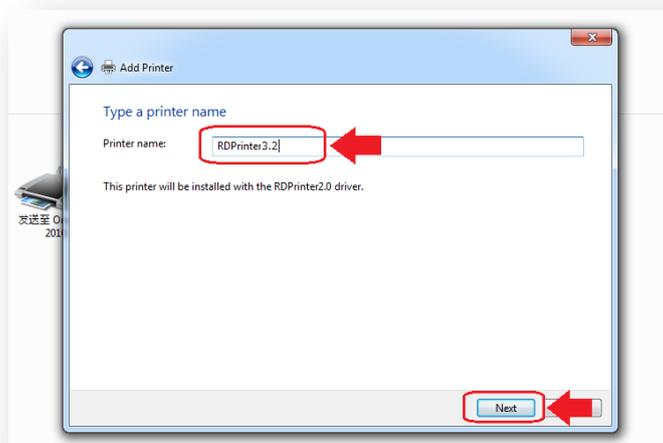
15. Click [OK].



16. Click [Next (N)].

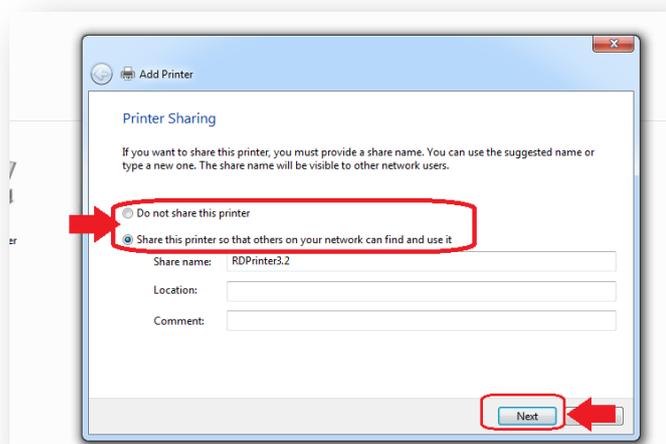


17. Display the printer name. If ok, then click [Next (N)] directly.

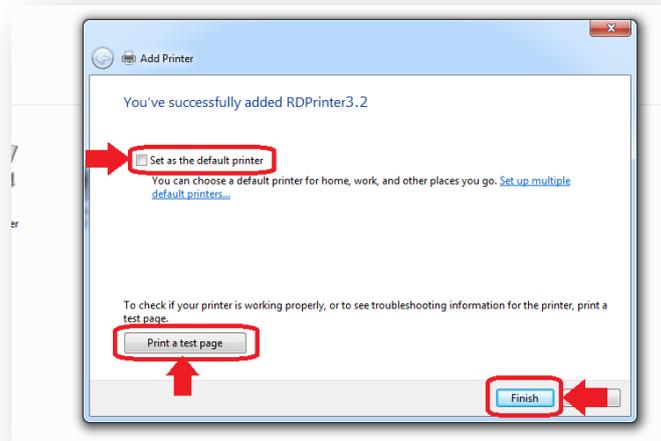


Click [Next (N)], there might display some warnings on installation. Just neglect and choose [Start] to start.

18. a) click [Printer sharing]. Click [Do not share the printer] when there is only one user. ; click [Share the printer so that others on your network can find and use it]. - b) click [Next (N)] .



19. If not set the duplicator as default printer, - a) clear the tick before [Set the default printer] - c) click [Finish] to finalize the setting.



- b) click [Print a test page], output the test through LAN connection.

LAN/USB online printing

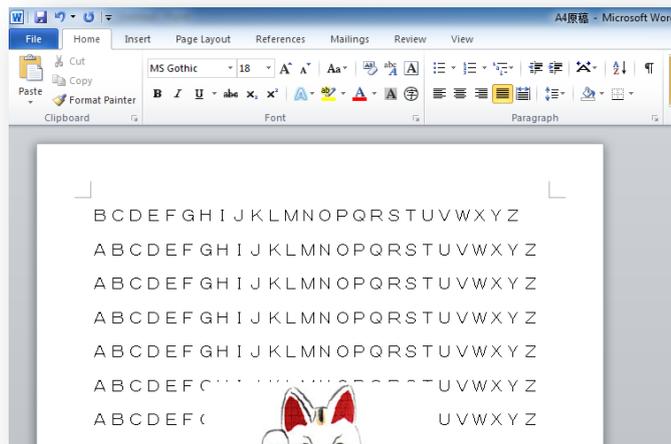
Online printing, it is an optional function for VR-4345S.

Under LAN or USB data cable connection, send the data to digital duplicator directly. But the computer should be connected with LAN or USB data cable firstly.

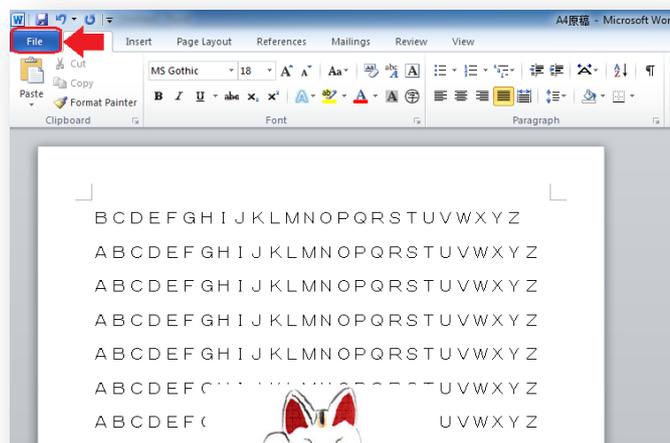


Printing method

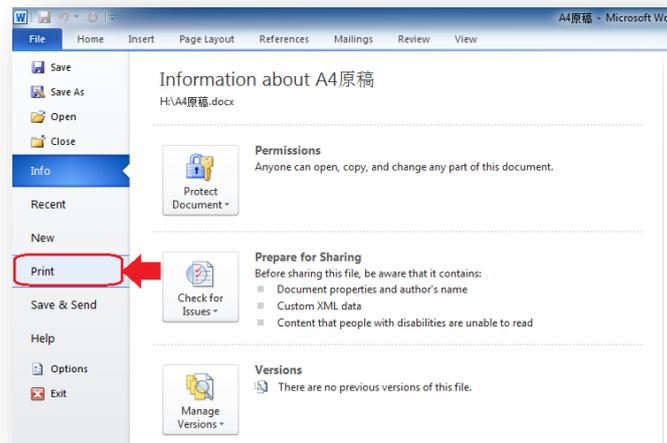
1. Open files to be printed.



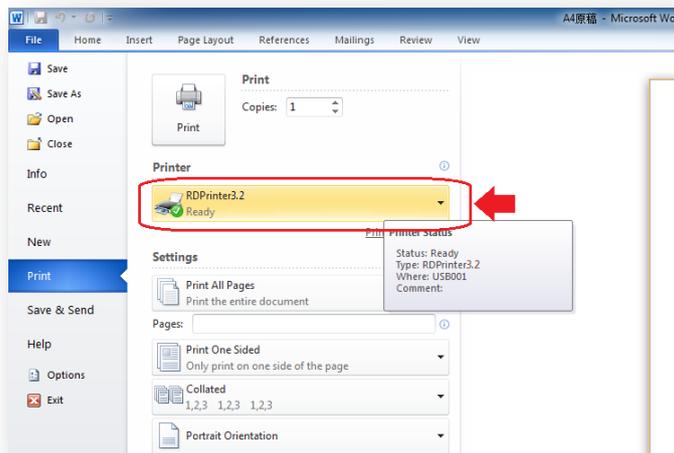
2. Click the upper left [File] option of opened files.



3. Click [Print].

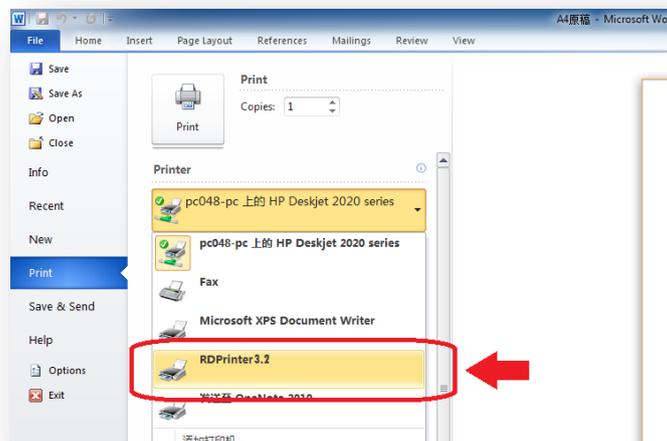


4. Click [Printer] displayed under [Printer]. (All printers connected on computer will be displayed) ,

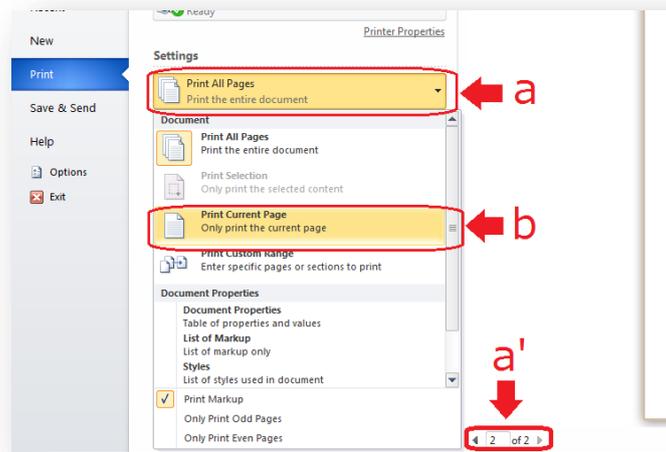


- It will display the related information when installing the driver if set the duplicator (RDPrinter3.2) as default printer.

5. Click [RDPrinter 3.2].

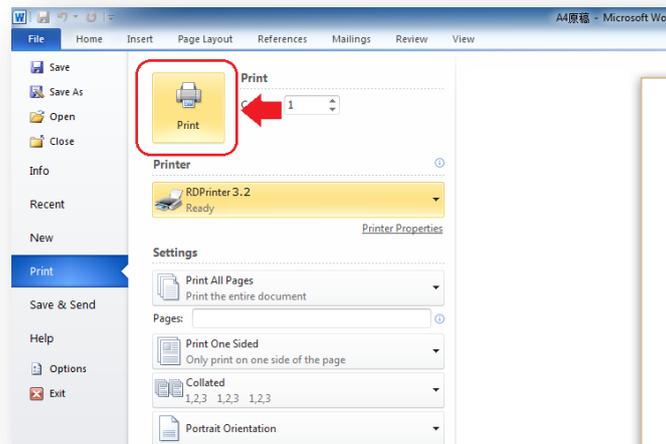


6. a) choosing for single or multi-pages printing



a) If it is the single, then print directly. If multi-pages, click a) and double confirm [Present page (b)].If want to fix certain page,then click the right bottom PAGE choose.

7. Click [Print]



U flash disk printing

Standard for VR-4345S ,but optional for VR-3325S and 2335S

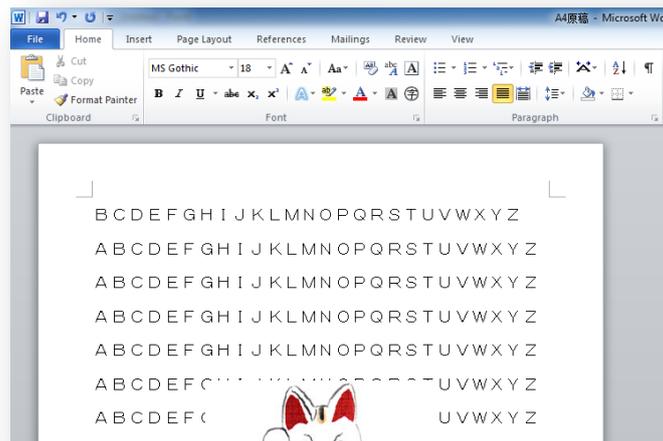
Data in U flash disk will be directly printed by U flash disk.

Data to be printed should be transformed to format required by digital duplicator by digital duplicator printing driver installed.

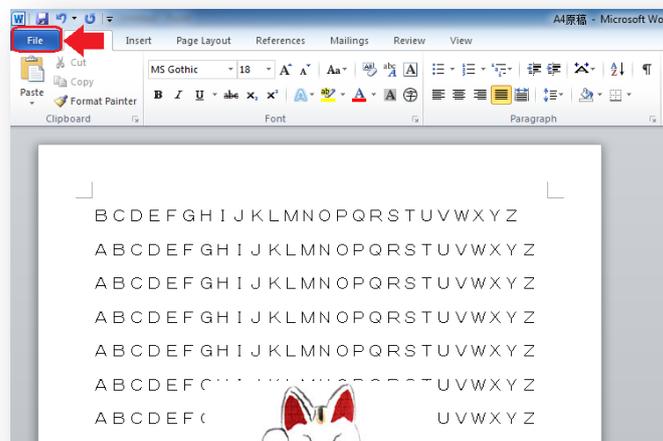


Data conversion and storage

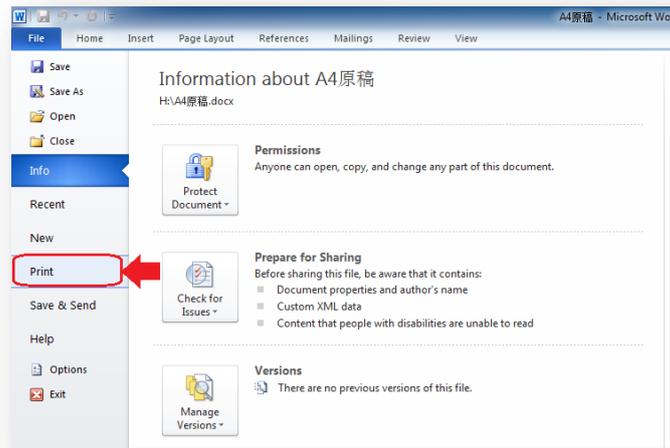
1. Insert U flash disk in computer equipped with digital duplicator driver.
2. Open files to be printed.



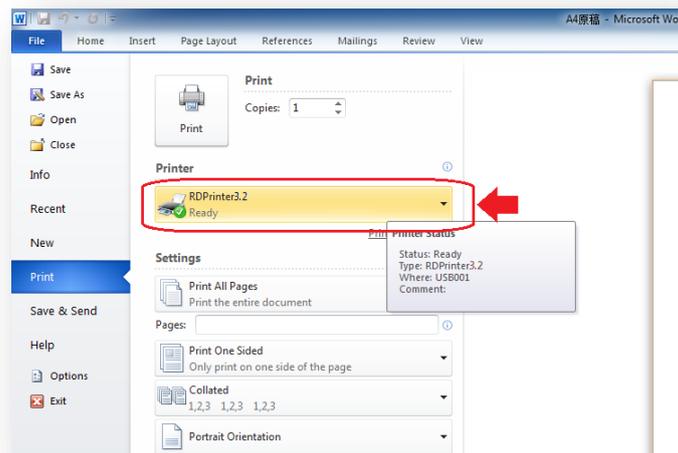
3. Click the upper left [File] option on the opened file.



4. Click [Print].

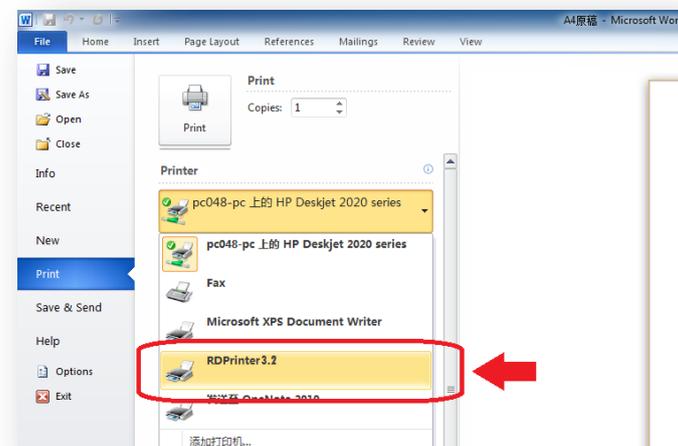


5. Click [Printer type] displayed under [Printer]. (All printers connected on computer will be displayed)

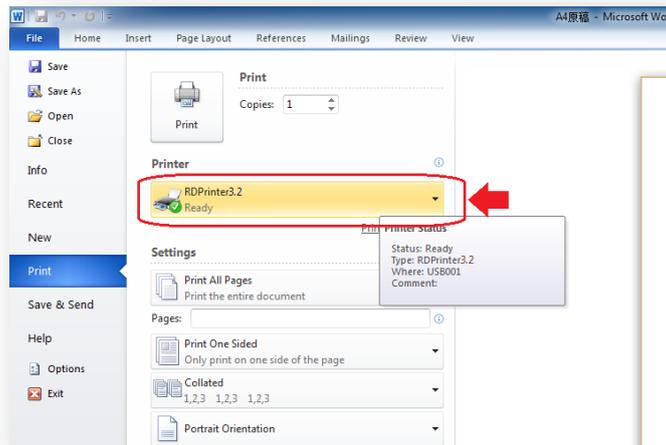


It will display the related information when installing the driver if set the duplicator as default printer.

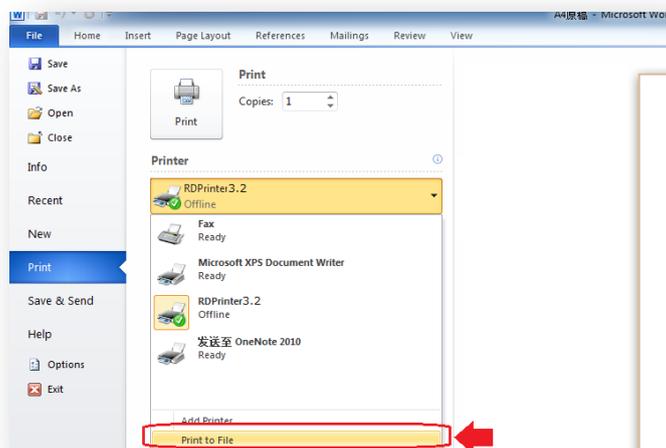
6. Click [RDPrinter 3.2].



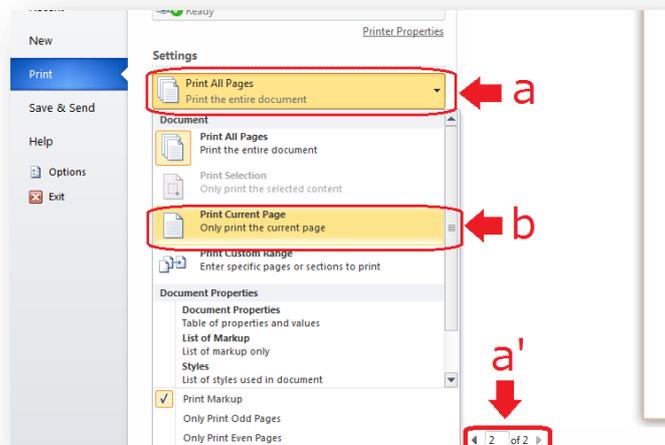
7. Klik [Printer] [Printer name]. (RDPrinter 3.2 has some changes.)



8. Click [Printer to files]

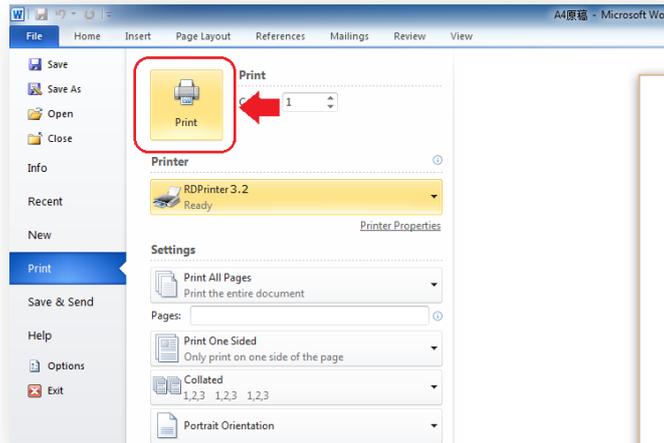


9. a) single of double pages choice



a)If single page,print directly; if double pages,click a),then to click present page (b). If need the specific page,click the right bottom page choice key.

10. Click [Print].



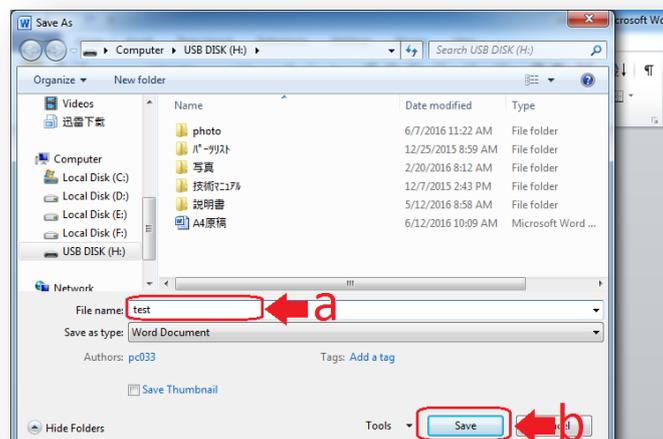
11. Click Save all the data in disk.



12. a) Input file name; b) click [OK].



File name requirements: [Half-angle English letters / numbers]. The digital duplicator can display 7 digits at most. If the former 7 digits are the same, it is difficult to distinguish them, and therefore, please pay attention when inputting name.



Printing method of data in U flash disk

1. Power on the digital duplicator.

- If there is fault information, please eliminate fault first.



2. Insert the U flash disk saving printing data in the digital duplicator.

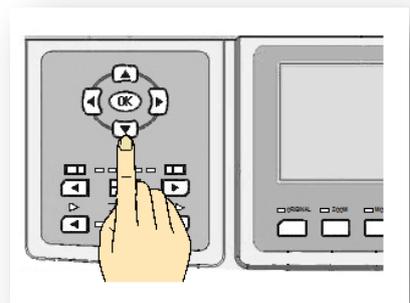
Check  Name and functions of each part (Page 26)



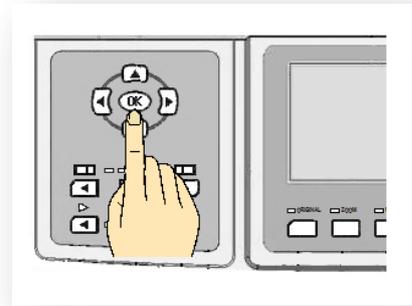
3. Data in U flash disk will be displayed.



4. Color of selected file will change. Scroll down and select by **【▼】** and **【▲】** keys.

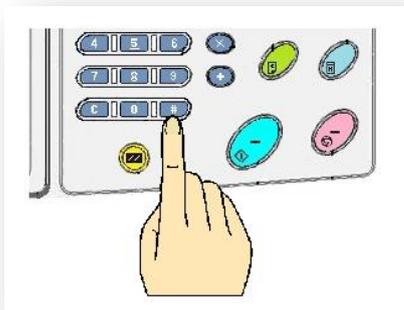


5. Start master making after pressing [OK] button.

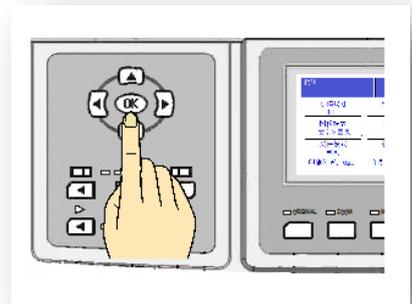


Display screen has no display after inserting U flash disk

1. Press [#] key in numeric section to enter setting picture.



2. Display after pressing [OK] key.



To prevent data loss, please back up data in U flash disk.



Computer, data setting and improper saving state may lead to printing failure.

Common faults

Some faults will be illustrated.

When machine is failed or in bad condition, deal with according to the following contents.

· Power supply can not be connected	127
· There is white line in the top-bottom direction (longitudinal direction) of printing paper	127
· Incomplete printing	127
· Splotch on the front end of printing paper	127
· Overall background color of printing paper is darker	128
· Fuzzy printin	128
· Incomplete printing on two ends of printing paper (left and right)	129
· Totally no printing words	129
· Printing splotch	129
· Lighter printing words	130
· Darker printing words	130
· Contents on rear printing ends run over	131
· Frequent paper delivery jam	132
· Frequent paper discharge jam faul	132
· Frequent faults of paper winded on drum	133
· Scratches on front ends of printing paper	134
· Frequent display of master unloading faults	134
· Frequent master loading faul	135

Common faults in computer data printing

· When [Offline] is displayed	135
· Unsuccessful network connection	135
· Unsuccessful USB power cord connection and printing	135
· Deviation of printing result and actual data	135
· File name in U flash disk can not be displayed on digital duplicator	135

Troubleshooting guide

· Left paper jam	136
· Middle paper jam	137
· Right paper jam	138
· Master unloading faults	139



If faults conditions can not be improved or occur frequently, please contact agents and after-sales department as quick as possible.

Power supply can not be connected

- Whether power cord is connected or not?
- Whether power plug is plugged in socket or not?
- Whether socket is powered on or not?

Check  Power cord installation method (Page 33)



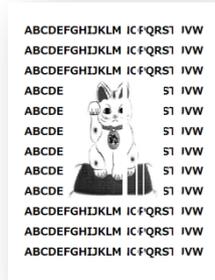
There is white line in the top-bottom direction (Longitudinal direction)of printing paper

VR-3325S / 2335S

- Whether the thermal head has dirt or not?

Please contact with Maintenance Department.

Check  All the parts name and function (Page 24)



Incomplete printing (The item is not recorded if printing is not uniform)

- Whether glass scanning table (Originals) has dirt or not?

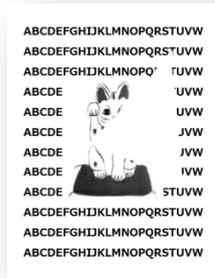
VR-4345S

Check  Originals placement method (Page 38)

- Whether the drum is with foreign matters or not?

Please confirm the surface condition of the drum. If there are foreign matters between master paper and drum, please take down master paper attached on drum.

Check  Take down master paper on the surface of drum manually (Page 139)



Splotch on the front end of printing paper

- Whether glass scanning table (Originals) and original cover plate have splotch or not?

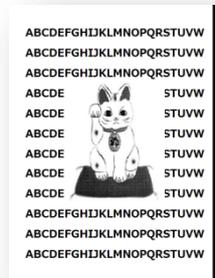
Check  Placement method of originals (Page 38)

- Whether to print paper in big quantity or not?

Master paper is very thinner. Master paper will be damaged if it is continuously and largely printed. Please make master during printing.

- Whether printing position is adjusted to left and right excessively or not?

Check  Adjustment of printing position/adjustment of left and right positions (Page 51)



Overall background color of printing paper is darker

- Whether originals are recycled paper and newspaper or not?

Cheak (👉) Remove background color (Page 59)
Change original mode (Page 61)

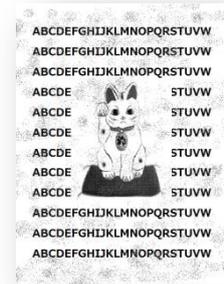
- Whether setting changes or not?

Cheak (👉) Remove background color (Page 59)

- Whether temperature in service temperature is lower or not?

If outer temperature is lower, the lamp for light source is weaker, and then printing contents will be darker integrally.

Cheak (👉) On service environment (Page 17)



Fuzzy printing

- The machine is not used for long term.

If the machine is not used for long term, the drum surface may be with ink. If the machine is continuously used for printing, everything will gradually return to normal.

- Whether ink placed for longer time is used or not?

If ink is placed for longer time, ink components will be separated to influence printing quality.

Cheak (👉) Notices for use of ink (Page 81)

- Whether setting is wrong or not?

Inconsistency of setting mode and originals will influence printing quality.

Cheak (👉) Printing concentration adjustment (Page 54)

- Whether paper has quality problems or not?

Recycled paper, coarse paper and glossy paper will leak ink.

Cheak (👉) On printing paper (Page 18)

- Whether printing paper has more powder or not?

During printing process, if paper powder is on the surface of master paper, this phenomenon will be caused, please make new master.



Incomplete printing on two ends of printing paper (left and right)

- Whether master paper or printing paper is rolled on pressure roller (under the drum) or not?

Pressure roller is below the drum. Please take down the drum for confirmation.

- Check  Method of taking out and mounting drum (Page 88)
Method of cleaning (Page 142)



- Whether the machine and drum are not used for long term or not?

If they are not used for long term, ink on drum is dry, and new ink can not be supplied easily.

Totally no printing words

- Whether printing paper is on drum surface or not?

Please confirm the surface condition of drum. If there are foreign matters between drum and master paper, please take down the master paper manually.

- Check  Method to take down master paper on drum surface manually (Page 139)



- Whether the installation method of master paper is right or not?

Wrong installation direction of master paper and wrong position of master paper release lever will lead to abnormal printing.

- Check  Installation method of master paper (Page 82)

Uneven printing

- Whether machine and drum are not used for long term or not?

If machine is not used for long term, ink on drum is dry, and new ink can not be supplied easily. If the machine is continuously used for printing, everything will gradually return to normal.

- Whether many originals are printed and printing number of sheets is fewer or not?



In case of directly printing after master making, uneven printing phenomenon will occur, please proof printing for many times till printing is normal.

- Whether master paper or printing paper is rolled on pressure roller (under drum) or not?

There is pressure roller below the drum. Please take down the drum for confirmation.

- Check  Method of taking out and mounting drum (Page 88)
Method of cleaning (Page 142)

Lighter printing words

- Whether the machine is used in lower environment or not?

If temperature is lower, ink will be influenced by temperature, as a result, printing words will be lighter. Please control printing pressure, and select darker master making mode for master making again.

- Cheak  Printing concentration adjustment (Page 54)
Printing pressure adjustment (Page 56)

-  If temperature is lower, even if darker master making mode is selected, maybe printing effect is also not ideal.

- Whether master making mode is selected properly or not?

If picture or text/picture mode is selected, printing effect is lighter than actual originals.

- Cheak  Change of original mode (Page 61)

- Whether ink saving mode is used or not?

Please control to standard mode and make new master.

- Cheak  On ink-saving mode (Page 75)

- Whether machine and drum are not used for long term or not?

If the machine is not used for long term, ink on drum is dry, and new ink can not be supplied. If the machine is continuously used for printing, everything will gradually return to normal.



Darker printing effect

- Whether the machine is used in higher temperature or not?

If temperature is higher, ink will be influenced by temperature, printing words will be darker. Please control printing pressure, and select lighter master making mode for master making again.

- Cheak  Printing concentration adjustment (Page 54)
Printing pressure adjustment (Page 56)

-  If temperature is lower, even if lighter master making mode is selected, maybe printing effect is also not ideal.

- Whether proper master making mode is selected or not?

If text mode is selected for master making, printing effect will be darker than actual originals.

- Cheak  Change of original mode (Page 61)



- Whether machine stops running because printing paper is rolled on drum or not?

If printing paper is rolled on drum, ink will leak easily. Please confirm proof printing effect. If proof printing effect is bad, please make new master.

- **Check** (👁️) On originals (Page 17)
 On page margin (Page 19)
 Printing position adjustment (Page 50)
 Printing concentration adjustment (Page 54)
 Picture originals and color originals (Page 61)
 Original zooming (Page 63)

- If ink placed for longer term is used or not?

If ink is placed for longer term, oil in ink will seep in printing paper to cause darker printing effect. Please pay attention to the retention period and inventory of ink.

Contents on rear printing ends run over

- Whether originals used are larger or not?

If rear end contents of printing paper are more, paper discharge will be influenced or unfavorable printing will be caused. Before printing, please adjust in some extent, zoom out originals/ forwards adjust printing position/speed up/control height of paper platform.



- **Check** (👁️) On originals (Page 17)
 On page margin (Page 19)
 Paper platform (Page 37)
 Printing position adjustment (Page 50)
 Printing speed adjustment (Page 53)
 Original zooming (Page 63)

- Whether special paper is used or not?

If color paper (Art paper / Glossy paper) is used, ink will be dry, and unfavorable printing will appear.

- **Check** (👁️) On printing paper (Page 18)

Frequent paper delivery jam

Left paper jam
Tips: Please check
then press 'Reset'
Or press left microswitch

- Whether paper delivery pressure / paper separating pressure is appropriate or not?

Check  Setting of paper delivery pressure / Paper separating pressure (Page34 ~ 36)

- Whether to print on double sides or not?

Delivery of printed paper will be influenced by ink and static electricity. Please dry the paper printed on one side on flat place.

- Whether to use paper properly or not?

Paper with creases and bents should be placed on paper feeding table after manually treated. Particularly, place [Postcodes] after flattened.

- Whether rubber roller (Consumables) is worn out or not?

If the roller is worn out, please change it as early as possible.

Frequent paper discharge jam fault

Right paper jam
Tips: Open master disposal box
Press right microswitch
Take out waste master

- Whether to print on double sides or not?

Delivery of printed paper will be influenced by ink and static electricity. Please dry the paper printed on one side on flat place.

- Whether paper is used properly or not?

Paper with creases and bents should be placed on paper feeding table after manually treated. Particularly, place [Postcodes] after flattened.

- Whether the paper discharge side has stronger sunlight / direct sunlight or not?

Light sensor is installed on paper-out side. If sensor receives outer light, the machine will give misoperation.

- Whether printing paper (Foreign matters) is rolled on the pressure roller under drum or not?

Please take out the drum for confirmation.

Check  Method of taking down and mounting drum (Page88)

- Whether the position of the paper platform is appropriate or not?

Confirm paper-out condition, and then make adjustment.

Check  Adjustment method of paper platform (Page37)

- Whether the installation of paper platform is appropriate or not?

Whether the width of the positive baffle plate / guide plate of the paper platform is controlled appropriately or not, and delivered paper will knock the positive baffle plate / guide plate.

Check  Installation method of paper platform (Page 37)

- Whether there is wind near paper platform or not?

When paper is out at high speed, even if it is a little bit windy, paper jam prompts may be displayed.

- Whether there is splotch on sensor or not?

After the waste box on the paper-out side is opened, paper jam sensor can be seen. Paper jam sensor is installed between the middle belt and the right belt of the three belts. The hole here is a little bigger than that on periphery. There is a sensor below the hole. Please clean the sensor by soft cloth or tissue.



Frequent faults of paper winded on drum

Middle paper jam
Tips: Check the drum, and
Press right microswitch

- Whether paper delivery pressure is appropriate or not?

Check  Paper delivery pressure setting (Page 34)

- Whether to print on two sides or not?

Delivery of printed paper will be influenced by ink and static electricity. Please dry the paper printed on one side on flat place.

- Whether printing paper meets requirements or not?

Please do not use thinner and softer paper.

Check  On printing paper (Page 18)

- Whether there is page margin or not? (Whether original size is bigger or not?)

Please pay particular attention to page margin problems. When originals are bigger, please use the function of zooming out originals for master making. Since machine settings are different, printing contents may be forwards closed integrally, and front page margin will be narrower.

Check  On originals (Page 17)
On page margin (page 19)
Printing position adjustment (page 50)

- Whether originals have more bolds or not?

Even if there is enough page margin, if originals have more bold words or pictures, printing paper will be rolled on drum. Before such type of originals is printed, please reduce master making concentration first, and replace thick paper.

Check  Printing concentration adjustment (Page 54)

Scratches on front ends of printing paper

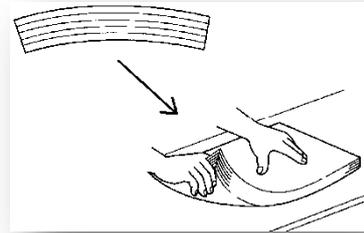
- Whether printing paper meets requirements or not?

Thicker paper and bad-sectioned paper will not meet requirements.

Check  On printing paper (Page 19)

- Whether printing paper is bent or not?

When paper is deformed and particularly when paper is downwards bent, the front ends of paper will have scratches, and therefore, please try to adjust it before placement.



- Whether friction plate (consumables) is worn out or not?

If yes, please change as early as possible.

Frequent display of master unloading faults

(Masters have been successfully unloaded, the machine stops due to misoperation)

```
Master eject err
Tips:Take out drum and check
Then push it back
then press 'Reset'
```

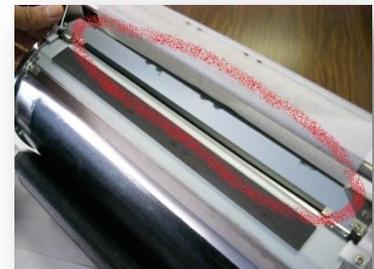
- Whether machine and drum are not used for long term or not?

If the machine is not used for long term, master paper will be on drum by ink. Master can not be unloaded easily.

Check  Take down master paper on the drum surface manually.(Page 139)

- Whether frisket finger is with ink or stain or not?

If frisket finger is with stain, master unloading will be influenced Or misoperation will be caused. Manually take down master paper on drum surface, and then clean the frisket finger.



Check  Take down master paper on drum surface (Page 139)

- Whether master paper is clamped on waste box and waste box mounting part or not?

Take down waste box, and confirm specific condition on waste box/machine side

Check  Treatment of waste master paper (Page 86)

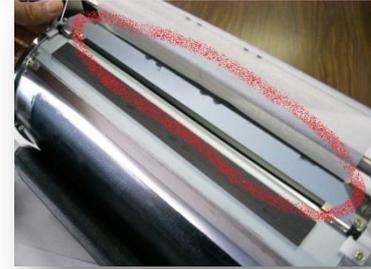
Frequent master loading fault

Master load failure or master run out
Tips:Please check
then press 'Reset'

- If frisket finger of drum is with ink or oil stain or not?

If it is with ink or stain, master unloading will be influenced or misoperation will be caused. Manually take down master paper on drum surface, and then clean the frisket finger.

Check  Take down master paper on drum surface manually
(Page 139)



- Take down master paper installed on the machine, and confirm whether master paper is bent or not?

Master paper is thinner, and is greatly influenced by storage environment. When there are master loading faults frequently, in case of having inventory master paper, please change master paper, and confirm master loading condition.

Check  Installation method of master paper (Page 82)

Common faults in computer data printing

- While printing, [Offline] is displayed, so printing is unavailable.

Setting of digital duplicator is [Offline setting]. Click [Start] → [Equipment and printer], double click digital duplicator [RDPrinter3.2] displayed on computer, click upper left [Printer (P)] to change the state of digital duplicator to [Online use (U) of printer], so as to eliminate offline setting.

- Unsuccessful network connection

Maybe IP address of printer is changed. Confirm IP address according to operation sequence in page 109 of the book again.

- Unsuccessful USB power cord connection and printing

There are many USB jacks on computer side. Change jacks for confirmation (Change USB jacks).

- Deviation of printing result and actual data

Setting error of digital duplicator driver refers to page 103 of the book.

(Please select 300×300 dots per inch)

- When U flash disk printing functions are used, file name is not be displayed on digital duplicator

When saved in U flash, unreadable characters or exceed the regulated digits quantity. (Max. 7 digits for half-width alphanumeric.)

Common faults treatment method

Left paper jam
Tips: Please check
then press 'Reset'
Or press left microswitch

Left paper jam

- i) Lower the paper feeding table.
 - Up-down button of paper feeding table is on its operation part. Press the Up button to lower the paper feeding table.



- ii) Remove jammed paper.
 - When paper is not much delivered forwards, paper is directly pulled out. When paper is delivered to the inner side, please pull out paper above the rubber roller.



- iii) Clean up paper feeding table.

 When jammed paper can not be removed, press [Drum rotating button] to rotate the drum and take out paper.

Check  Name and functions of each part (Page 25 / 26)

Check  Paper jam on paper feeding side (Page 132)



Middle paper jam

Middle paper jam
Tips: Check the drum, and
Press right microswitch

i) Press waste box opening and closing button to open the waste box.



ii) Press [Drum rotating button] to slowly rotate drum and take out paper.



When the drum is rotated, paper arrangement belt will also rotate, please be careful!



iii) Press and hold [Drum rotating button] till [Bang] sound is made slightly. The drum will automatically stop when it reaches home position.

iv) Close waste box.



Even if there is no paper on drum surface, sometimes, the drum should be pulled out for treatment.

Check  Method of taking out and mounting drum (Page 88)

Check  Name and functions of each part (Page 27)

Check  Frequent faults of rolling paper on drum (Page 133)



Right paper jam

Right paper jam
Tips: Open master disposal box
Press right microswitch
Take out waste master

i) Press waste box opening and closing button to open the waste box.



ii) Press [Drum rotating button] to slowly rotate the drum and take out paper.



When drum is rotating, paper arrangement belt will also rotate, please be careful!



iii) Press and hold [Drum rotating button] till [Bang] sound is made slightly. The drum will automatically stop when it reaches home position.

iv) Close waste box.



Check  Name and functions of each part (Page 26)

Check  Frequent paper arrangement jam faults (Page 132)

Master unloading faults

Master eject err
Tips: Take out drum and check
Then push it back
then press 'Reset'

i) Open the front door.

- Stop machine running before open the front cover.



ii) Pull drum mounting handle up, and unlock.



iii) Pull out the drum.

- Please slowly pull out the drum. It will be stopped by brake on the final position.



iv) Open frisket finger by clamping handle.

a) Clamping handle is on the inner side of drum.



b) Pull up clamping handle and open frisket finger.

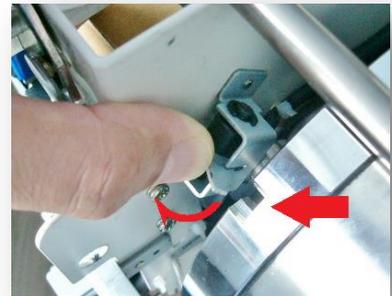


v) Take out master paper above frisket finger.

 Master paper may be also automatically warped.



vi) Disconnect the drum handle, and slightly rotate the drum to left.



vii) Take out the master paper when rotating the drum.



viii) Rotate the drum to drum handle locking position.



ix) Install the drum in opposite sequence.



 Method of taking out and mounting drum (Page 88)

Simple maintenance

In order to use machine comfortably, user can clean it simple before use. It must cut off the electricity before operation.

Cleaning of scanning table glass

Hints

- . Scanning table glass belongs to high precision component, and should not be knocked or scratched by hard matters;
- . Please wipe the glass by soft cloth or toilet paper.



Cleaning of scanning table cover plate

Please wipe the glass by soft cloth or toilet paper.



Cleaning of printing roller

Hints:

- . Before cleaning the printer roller, please first take out the drum unit;
- . Ink may be left near the printing drum, please be careful, and do not make your hand or clothes dirty.



Cleaning of outside cover

- . Regularly wipe the complete machine by soft cloth gently to prevent shell getting dirty.

Warning

- Before cleaning, please be sure to turn off the power switch, pull out the power plug, or fire hazards or short circuit will be caused;
- During cleaning, please be sure to guide water or cleaner in the machine. If it flows in machine, please immediately contact with dealers.

Hints:

- Please remove dust by soft cloth, water and neutral solvent, but not alcohol and organic solvent, or the shell will be discolored or damaged.



Technical specification

	VR-4345S	VR-3325S	VR-2335S
Operation mode	One tough operation panel		
Plate Making Mode	Digital Thermal Plate Making		
Scanning Type	Book scan	Document feed-in	
Printing type	High speed digital master making and automatically hole plate printing		
Original Paper Type	Book (<10kg)、 Sheet	Sheet	
Processing Pattern	Text/Picture/ Pic&Text/Text&Pic/ Newspaper/ Web screen/Pencil	Text/Picture/Newspaper/Pic&Text/Pencil	
First Print Time	Around 19s		
Scan/Plating Resolution	300dpi × 600dpi	300dpi × 400dpi	
Original Paper (min/max)	min/ 90mm × 140mm max/310mm × 432mm	min/ 90mm × 140mm max/297mm × 420mm	
Scan Area(max)	297mm × 420mm		
Print Area(max)	252mm × 358mm		
Printing paper size (min/max)	90mm × 140mm/ 297mm × 420mm		
Paper Weight (min/max)	40g/m ² -128g/m ²		
Feed Tray Capacity	950 pcs (60g/m ²)		
Receiving Tray Capacity	1200pcs (60g/m ²)		
Zoom Rate	Standard zoom: enlargement: 115%、122%、141% reduction: 71%、81%、87% Free zoom: 50%-200% (1%精度)		
Print Speed/5Level(sheet/min)	55. 70. 85. 105. 130	55, 70. 85. 105. 120	
Printing adjustment position	Horizontal: ±10mm Vertical: ±10mm		
Ink supply	automatic (each 600 ml)		
Master feed	automatic (90m/roll)		
Ejection Box capacity	about 40 pcs		
Networking Print	Optional	NONE	
Grouping Function	YES		
Energy Saving Function	YES		
Password Function	YES		

	VR-4345S	VR-3325S	VR-2335S
Security Function	NO		
USB Printing	YES		
Auto Power Off	Optional		
U-flash drive master making	YES	Optional	
Printing Pressure Auto adjust	Optional		
Ink saving mode	YES		
Power	220V AC, 50Hz		
Dimension(W×D×H)	Use: 1320×625×560 Storage: 635×625×560	Use: 1320×625×510 Storage: 635×625×510	
Weight	About <u>75</u> kg	About <u>67</u> kg	



Products will be changed at any time without prior notice.



Thanks for using our product! The Manual includes detailed instructions on how to operate and use the equipment as well as notices for use. To use the equipment safely and effectively for long term, please read the Manual carefully before using our product!

Ningbo R.D.C Office Equipment Co., Ltd,

Address: Chengxin Road, No.928, Investment & Business Center, Yinzhou, Ningbo, China

Service hotline: +86-800-8574750

Tele: +86(0)574-88231666

Fax : +86(0)574-88232058

Website:<http://www.nbrdc.cn>

The1st edition was issued in Mar., 2017