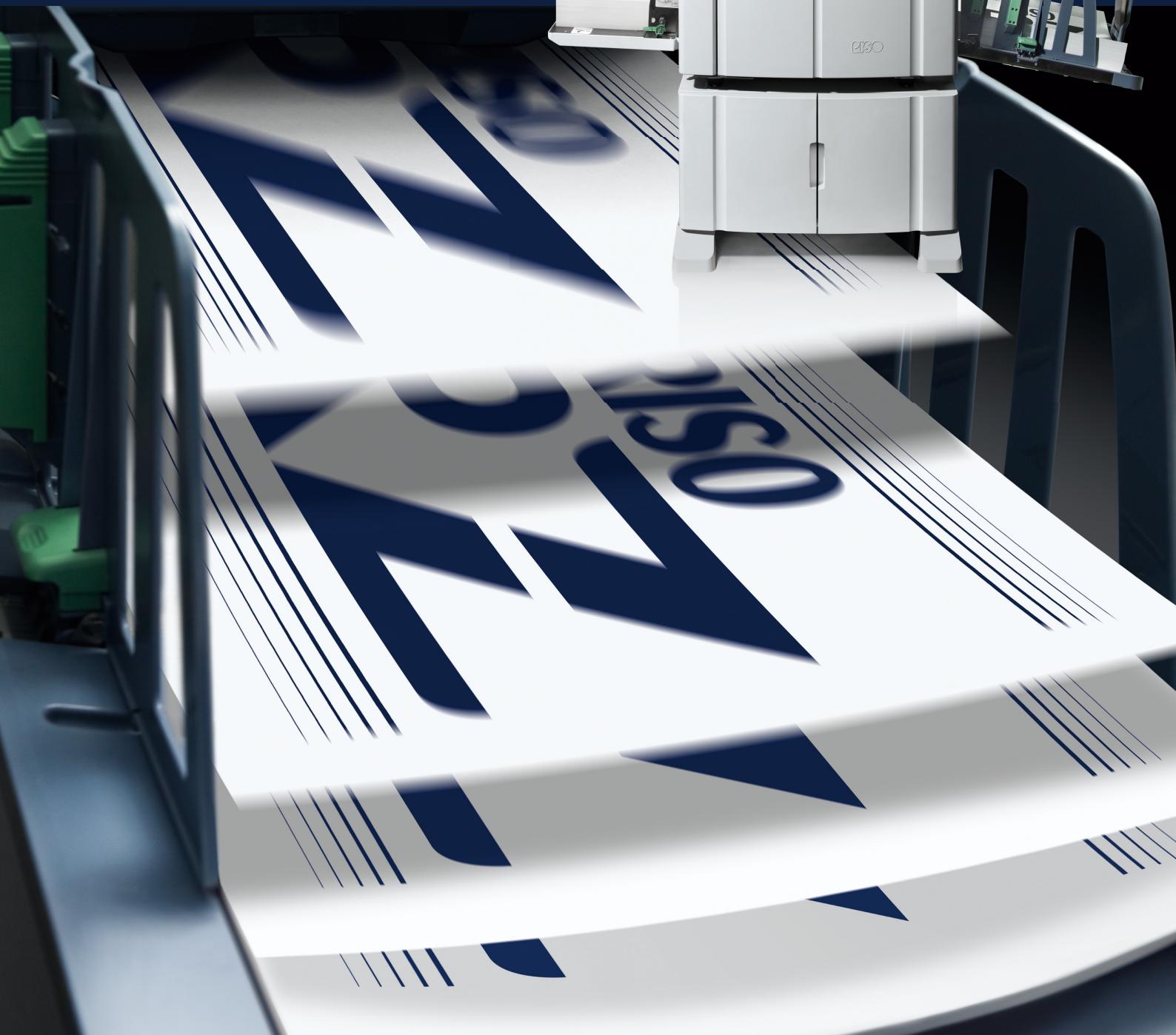


RISO

For enhanced printing productivity and excellent picture clarity

RISO RZ 1070



Large-volume Office Use Digital Duplicator that Boasts Unparalleled Performance

The RISO RZ1070 digital duplicator offers exceptional print quality at unrivaled maximum print speed*¹ and incredibly low cost, enabling easy and efficient large volume printing.

It reproduces photographs and text with remarkable image quality and, in addition to enhanced environmental features, incorporates a variety of improved print functions.

The RISO RZ1070 is a sophisticated monochrome digital duplicator that combines versatility and productivity enhancing features with excellent image reproduction.

This upgraded model boasts outstanding performance designed to meet diverse business printing needs.



RISO RZ 1070



[Productivity]

RISO RZ1070 achieves high printing productivity through an unrivalled maximum print speed*¹ of 180 pages per minute and low operating cost. It can be fitted with optional features such as the Colour drum and Card feed kit—an expandability that suits it to multiple needs.



[Image Reproduction]

Adoption of the RISO MASTER Z TYPE HD 87 ensures excellent digital reproduction of colour gradation and fine lines in the original document.



[Versatility]

In addition to security features, the RISO RZ1070 digital duplicator is equipped with numerous functions, such as printing directly from a USB flash drive, that make it extremely versatile and enhance the ease of printing.



*1:Among office use digital duplicators in the market as of September 2010.



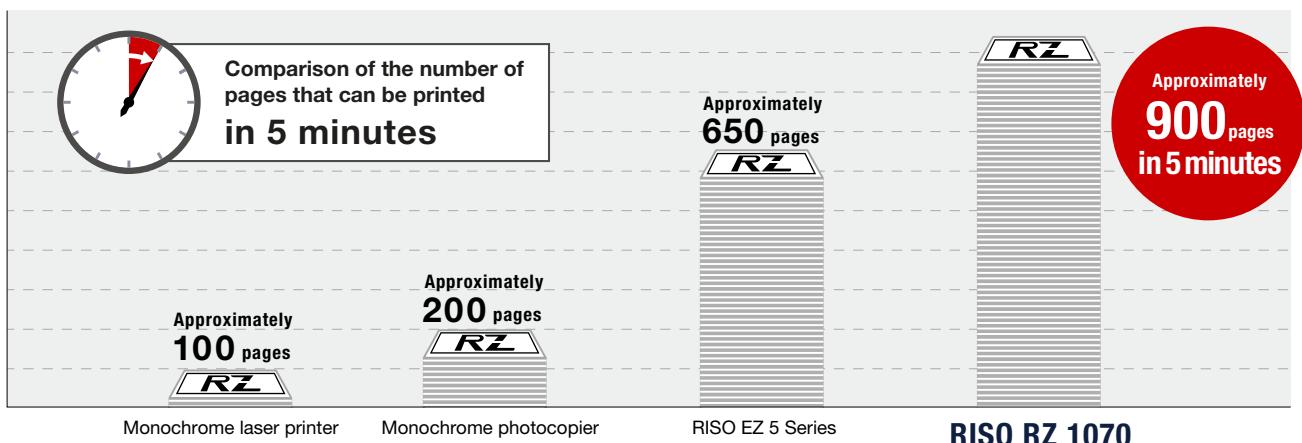
[Productivity]

Achieves High Printing Productivity through Speed and Low Operating Costs

Unrivalled Maximum Print Speed^{*1} of 180 Pages per Minute

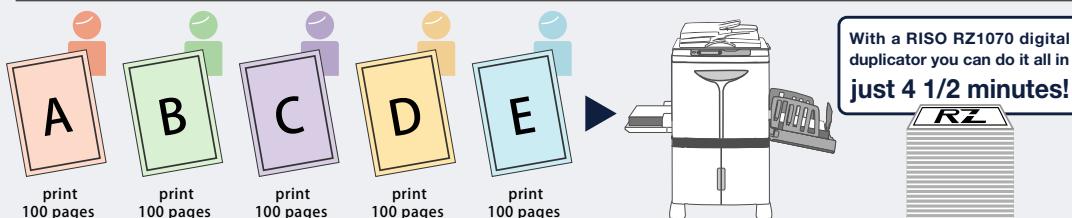
In addition to an adjustable five-speed function for printing between 60 and 130 pages per minute, the RISO RZ1070 digital duplicator has a high speed mode that prints at a maximum speed of 180 pages per minute, the fastest in the industry^{*1}, or approximately 900 pages in five minutes. A variety of documents, including meeting handouts and marketing and promotional material, can be printed in a speedy and efficient manner regardless of the required paper size.

*1: Among office use digital duplicators in the market as of September 2010.



※Comparison of the RISO RZ1070 (180 pages per minute) and RISO EZ 5 Series (130 pages per minute) digital duplicators with monochrome photocopiers (A4 sized 40 pages per minute) and monochrome laser printers (A4 sized 20 pages per minute).

Imagine 5 employees wanting to print 100 pages each 5 minutes before a meeting!



Get your printing done in time with the
RISO RZ1070

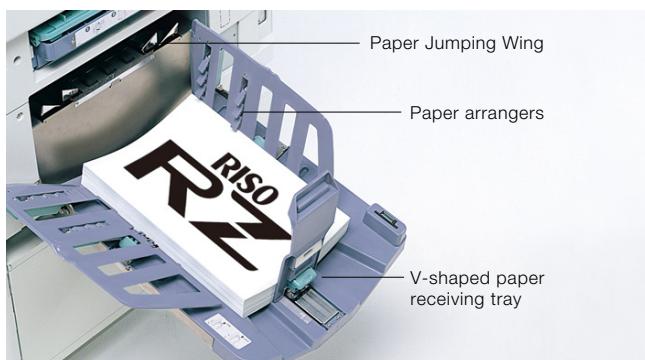
※The RISO RZ1070 digital duplicator in the 180 pages per minute mode; consecutive implementation of master-making to printing processes for 100 prints of the original document per person; includes time required for master-making. (for A4/ Landscape/100% reproduction ratio).

Paper Output Mechanism Neatly Stacks Papers Printed at High Speed

The paper output mechanism neatly stacks papers that are output from the printer at high speed, thus enabling easy removal.

Paper arrangers, a mechanism based on the "domino theory", on either side of the Receiving Tray Paper Guides neatly stack papers that have been printed within the V-shaped configuration on the paper receiving tray. The Receiving Tray Paper Guides can be tilted outwards to remove the printed papers without hindrance.

※At a speed of 180 pages per minute, the precision of stacking papers in the paper receiving tray may decrease depending on the paper used.

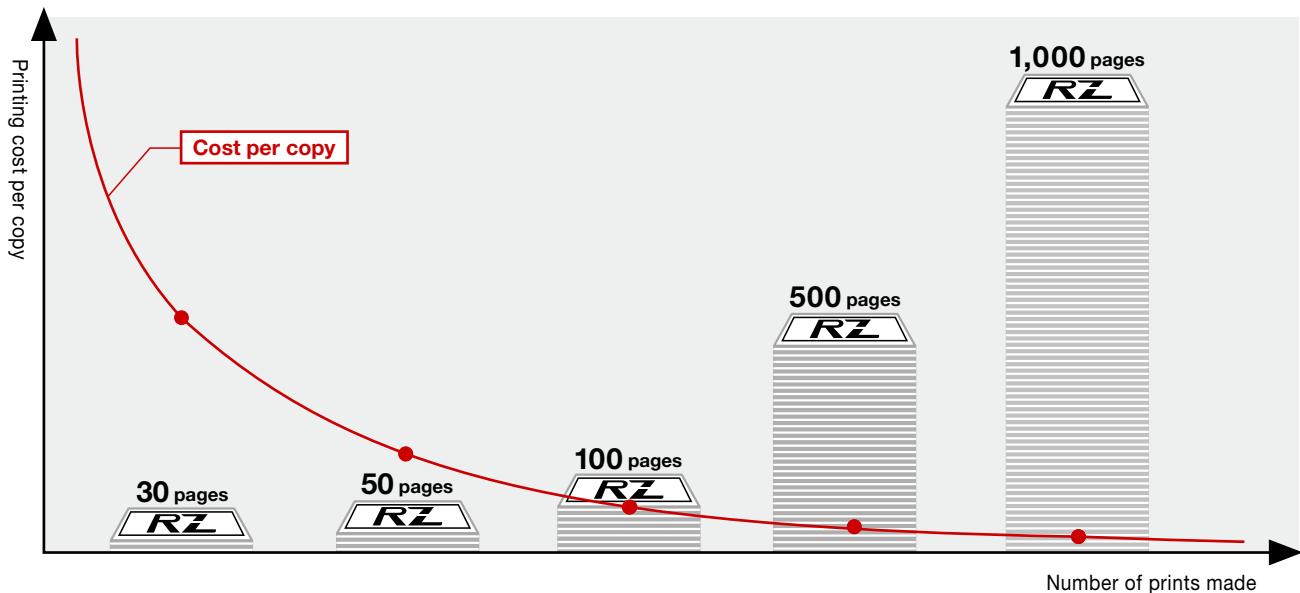


ough Remarkable Printing

The Larger the Job Volume, the Lower the Operating Cost

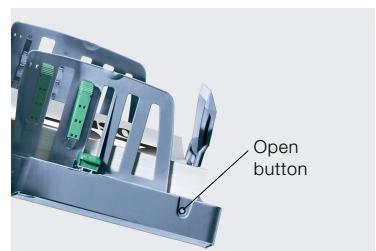
The RISO RZ1070 digital duplicator first creates a master copy of the original document, from which prints are made. This means that printing cost per copy of a document reduces with every print, making the RISO RZ1070 model highly economical for large volume printing.

Relation between the number of prints made and printing cost per copy



Auto-control Stacking Tray Automatically Adjusts Receiving Tray Paper Guides to Match Paper Size

The RISO Auto-control stacking tray, an optional feature on the RISO RZ1070 model, automatically adjusts the position of the Receiving Tray Paper Guides to match paper size. This eliminates the need to manually change the position of the Receiving Tray Paper Guides even if a different paper size is supplied each time from the paper feeder tray for printing and enhances operational efficiency. Pressing the “Open” button after printing has been completed will cause the paper guides to open outward, enabling the printed paper to be removed easily from the tray.



RISO Job Separator IV: NIII Efficiently Separates the Printed Paper into Specified Lots

The RISO Job Separator IV: NIII, an optional feature on the RISO RZ 1070 model, enables tape to be inserted between printing jobs even during high speed printing^{*1} and speedily separate the printed paper into lots of specified numbers each without interrupting the printing process. When combined with the “Programmed printing” function, it distinguishes between different printing jobs and separates the printed paper into groups accordingly.



*1:When operating at the 180 pages per minute speed and also in the 60–130 pages per minute speed (5-speed adjustable speed function).
*2:The Receiving Tray Paper Guide must be changed in the RISO Job Separator IV: NIII high speed mode.
*3:The RISO Job Separator IV: NIII high speed mode is not available with the RISO Auto-control stacking tray.



[Image Reproduction]

Reliable Technology that Ensures Excellent Colour Gradations and Sharp Lines

High-resolution 600dpi scanning and printing gives clear output

The RISO RZ1070 digital duplicator both scans and prints information at a high resolution level of 600 dpi, producing sharp and clear images of even fine lines and small characters. Moreover, it can reproduce subtle colour gradations enabling users to print clear copies of photos, shaded areas of images, and documents written using a pencil.

Use of Highly Density Ink and a High Resolution Master Reproduces a Rich Shade of Black

Specially developed for the RISO RZ1070, RISO INK Z TYPE HD BLACK and RISO MASTER Z TYPE HD 87 gives deeper, richer black for an even more professional and pleasing look to documents.

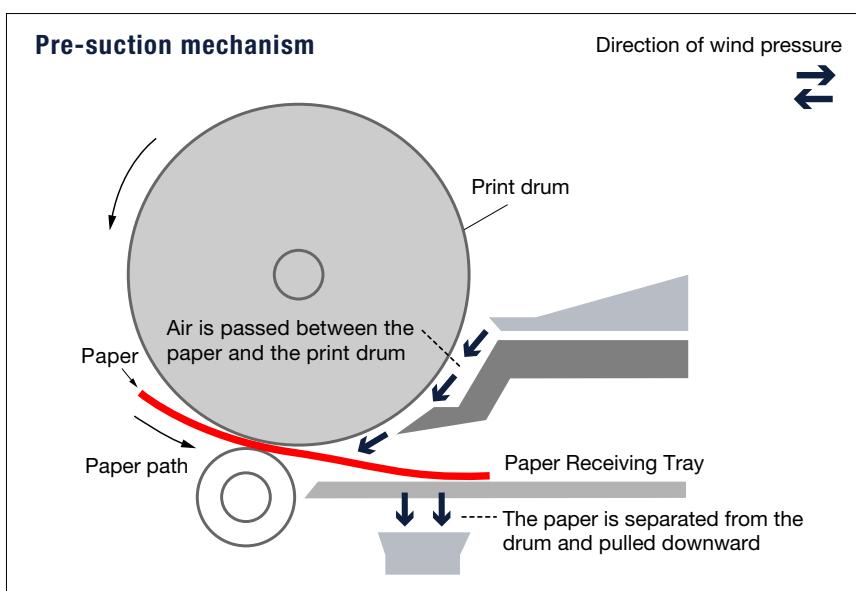


There's no rose without a thorn.Life is not a bed of roses.The fairest rose is at last withered.A rose by any other name would smell as sweet.There's no rose without a thorn.Life is not a bed of roses.The fairest rose is at last withered.A rose by any other name would smell as sweet.Those roses were never roses.

RISO
RZ

Unique Technology Enables the Reproduction of Uniform Solid Images

The RISO RZ1070 model adopts a pre-suction mechanism in which air is passed between the paper and the print drum (cylinder) to suck the paper in a downward direction, thus separating it instantaneously from the drum before it is output. This original technology allows the ink to be transferred uniformly to the paper to produce clear images.

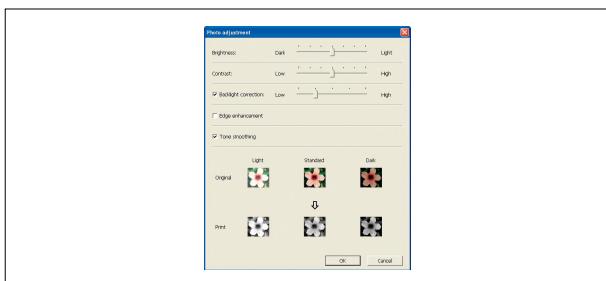


Efficient Digital Reproduction of

Adjusting Brightness to Achieve Optimal Photo Quality Images

When the original digital file contains pictures that were taken at different brightness levels, the Backlight correction function*¹ can be used to adjust individual picture brightness. This eliminates extreme brightness or darkness in the pictures and enables the reproduction of distinct images.

*1:A printer driver function.



Choose From a Wide Range of Ink Colours to Suit Individual Purposes

The wide variety of ink colours available comprises 21 standard colours of RISO INK Z TYPE, that uses soy oil, and 50 custom colours. Corporate colours and other specific colour choices are available on a "made-to-order"^{*1} basis.

Standard Colours

| | | | |
|-----------|-------------|------------------|-----------------|
| Red | Bright Red | RISO-Marine Red | Burgundy Red |
| Brown | Yellow | Green | Teal Green |
| Blue | Medium Blue | RISO-Fed. Blue | Purple |
| Flat Gold | Orange | Crimson | Hunter Green |
| Gray | Light Gray | Fluorescent Pink | Fluores. Orange |
| | | | HD Black |

Custom colours

*1:"Made-to-order" colours may not be available in soy-oil based inks.

*2:The actual colour may differ from the colour samples shown above.

Choose an Image Processing Mode that Suits the Original Document

Choose the image processing mode setting best suited to the original photo or document, for example, Photo mode or Pencil mode.

Choose Duo mode for documents that are a mix of text and photos, process only the photos and print out crisp images with clear text.



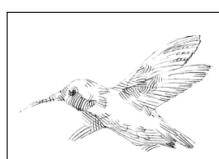
[Photo mode: Portrait]

Reproduces soft and bright images of human faces.



[Photo mode: Group]

Prints sharp images where even the minute details stand out clearly.



[Pencil mode]

Clearly reproduces pencil and official seals, right down to the touch used.

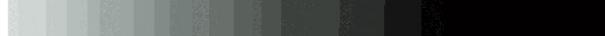
Tone Smoothing of Photos and Colour Gradation in the Original Digital File

Colour gradation effects in photos and other images contained in digital data to be printed can be enhanced using the Tone Smoothing function*¹.

Tone smoothing ON (145 gradations^{*2})



Tone smoothing OFF (73 gradations^{*2})

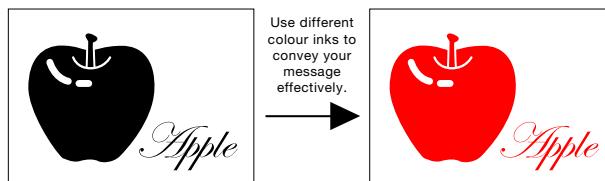


*1:A printer driver function.

*2:Screen-covered Frequency: 71-lpi band at initial setting.

Quick and Easy Colour Changes

Colour changes are easy, only requiring the print drum to be pulled out from the main unit and replaced with the colour of your choice. The ink cartridges are modular units and can be replaced without any messiness.



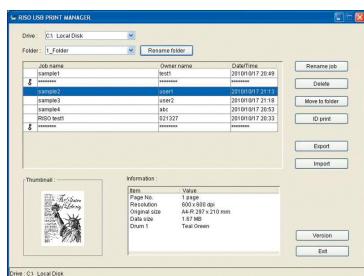


[Versatility]

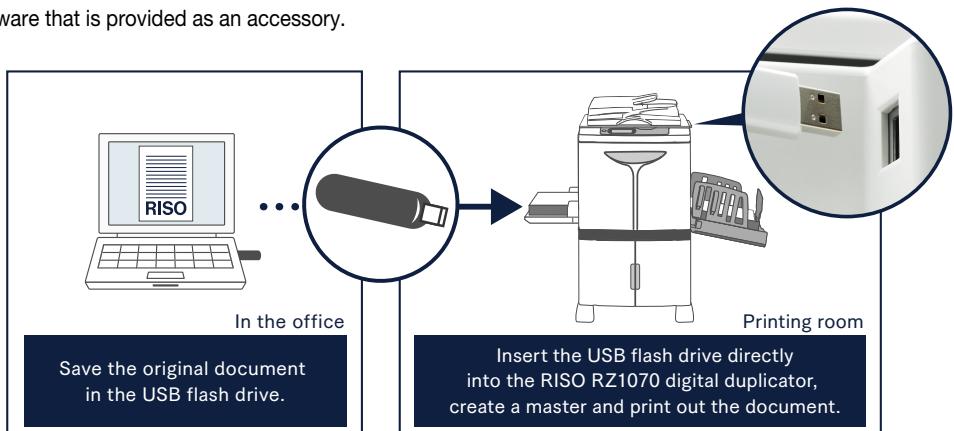
Enhanced Ease-of-Use through Features from a USB Flash Drive and Layout Also

Print Directly from a USB Flash Drive

The RISO RZ1070 digital duplicator enables information that is transferred to a USB flash drive from a computer to be printed out directly from the USB flash drive^{*1}. This allows printing of documents with excellent clarity even when not connected to a network. Further, digital data stored in a USB flash drive to be printed using the RISO RZ1070 digital duplicator can be stored in folders, previewed and verified using the RISO USB print manager, a utility software that is provided as an accessory.



*1: A dedicated printer driver is used to store digital data.
*2: Commercially available USB flash drives can be used.
Please contact a RISO sales executive for the kinds of USB flash drives that may be used.



Copy the Digital Data Stored in the RISO RZ1070 Digital Duplicator and Create a Backup

Digital data can be transferred between the Storage folder in the RISO RZ1070 digital duplicator and a USB flash drive. This is useful when there is very little free space in the Storage folder or in the USB flash drive, or to create a backup.

Previewing and Editing the Original Document Using the Touchscreen

The original document, paper or digital data, that is saved in the Storage folder, can be displayed on the touchscreen and checked. The RISO Editor enables easy image processing and separation of blocks of text and images. The information displayed can be magnified enabling a detailed check of the contents.



Adjustable Master-Making position

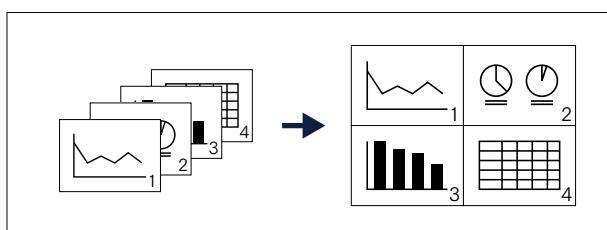
The master-making position can be adjusted to add binding margins either horizontally or vertically to the original document.



The Layout Function Saves Paper by Consolidating Information On to One Page

Documents that run into several pages can be consolidated into a fewer number of pages and in an easier-to-read format, thus reducing the amount of paper required for printing. This feature also makes layout of stapled documents possible.

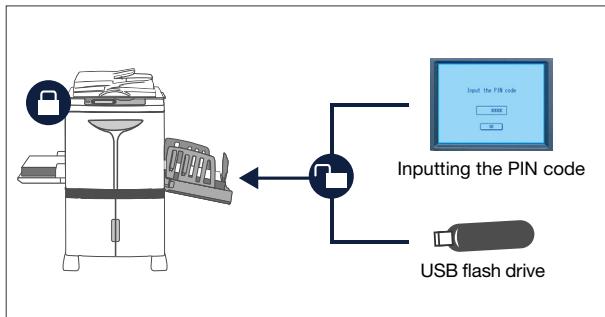
*2: The Layout function enables 2 and 4-page layout of a digital file; and 2, 4, 8 and 16-page layout of a hardcopy original.



Such as Printing Directly Equipped with Advanced Security Features

Restricting Access to Authorized Users

By registering the names and PIN codes of authorized users, access can be restricted and misuse prevented. Instead of a PIN code, a USB flash drive^{*1} can also be used for authentication and registration.^{*2}



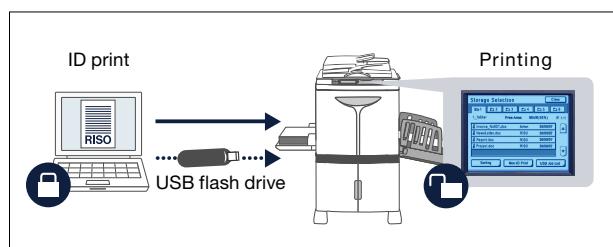
*1: Please contact a RISO sales executive for the kinds of USB flash drives that may be used.

*2: Either a PIN code or a USB flash drive can be selected as the authentication method.

*A maximum of 100 users, including the administrator, can be registered.

Preventing Information Leaks

The RISO RZ1070 digital duplicator is fitted with an ID print feature that prevents leakage of information contained in the original documents. When activated, the ID print feature, instead of printing information as soon as it is received, first saves the job temporarily. Since only authorized persons can operate the printer, this allays concerns that unauthorized people may access and take away the information.



Preventing Information Leaks from the Master after Printing

The Protect function displays a message asking the user to transfer the master to the Master Disposal Box after printing is completed. When not in use, masters cannot be retrieved from the Master Disposal Box^{*1}, thus ensuring that no unauthorized prints are made.

For additional security, it is also possible to use a padlock to secure the Master Disposal Box^{*2}.

*1: When emptying the contents of the Master disposal box or disposing off used masters (when the display on the LCD panel indicates the box is full), or when there is a master jam, the lock on the Master disposal box is released, allowing it to be detached from the main unit.

*2: A padlock is not provided with the main unit. Please use a commercially available padlock.



Master Disposal Box

Easy-to-use LCD Control Panel

The large, interactive touchscreen display panel enables easy default settings and operation. The visibility of the LCD panel can be enhanced through colour reversal or by adjusting the contrast setting.



Enhance Printing Efficiency through Combined Use with Optional Features

RZ1070 digital duplicator optional features



RISO Auto document feeder DX-1

Document auto feeder that can read and input both sides of the original speedily.



RISO Job separator IV:N III

Sorter to insert tape at intervals specified during "programmed printing" that enables operation in the high speed mode.

※Paper Guide RII-P-Rcv-T is required in the high speed mode.



RISO Auto-stacking tray

The paper guides automatically open out to suit the paper size.



RISO Auto document feeder AF-VI:II

Standard type with basic features.



RISO Z10/8 drum A3

A3 sized drum with a dedicated case.

Wide stacking tray

Can hold paper of up to 555mm (measured vertically).

RISO Z10 drum A4W

A4 sized drum with a dedicated case.



Card feed kit

Compatible with paper weight 100g/m²-400g/m².

※Please contact a RISO sales executive for the kinds of paper that may be used.



RISO Key card counter IV: N

Comes with 30 operation cards and one control card.



RISO controller IS300

Direct printing of PS and PDF files. Windows® / Mac OS® X compatible.

Adobe PostScript 3

※Please contact a RISO sales executive for details.



Envelope feeder

Compatible with paper weight 50g/m²-120g/m².

※Please contact a RISO sales executive for the kinds of envelope that may be used.

Document storage card DM-128CF

Allows storage of frequently used documents for instant recall.

RISO Accounting tool

Printing management utility software for Windows®.

RISO Printer driver for Macintosh

Printer driver CD for Mac.



RZ stand D type

A stand with a louver door, that is useful for storing consumables and other small items.



RISO stand N type

A stand with a simple design.

※ Installation of certain optional features may disable the use of some features on the main unit.

Consumables

RISO i Quality System™

The RISO i Quality System offers a large number of quality and convenience benefits. Among them are: Automatic assurance of optimum print quality. / Prevention of operator error. / Warning of shortages in remaining ink and master volume. / Minimized paper waste.

The RISO i Quality System gives easy monitoring of the status of consumables. Simply press the i Info button on the Basic Screen for a graphic display of remaining consumables.



The RISO i Quality mark indicates a RISO product compatible with the RISO i Quality System.

Easy Disposal of Used Masters

The Master Disposal Box that stores used masters is compact in size with an upright shape that facilitates easily disposal of used masters. The RISO RZ1070 digital duplicator also makes possible trouble-free replacement of consumables such as masters and ink cartridges.



Monitoring the Operational Status on a Computer

When connected to a computer network, the operational status of the RISO RZ1070 digital duplicator, such as whether it is switched ON or OFF, and the usage status of consumables, can be monitored via a computer. This feature is useful when multiple computers are sharing the same unit, or to check the RISO RZ1070's operational status even when it is in a location far from your desk.



Consumables exclusively for use with the RISO RZ1070 digital duplicator

RISO MASTER Z TYPE HD 87 Excellent image quality, printing plate life of 4000 prints*¹ (220 sheets per roll)

RISO INK Z TYPE HD Black (1000ml per cartridge)

RISO INK Z TYPE Red, Bright Red, RISO-Marine Red, Burgundy Red, Brown, Yellow*², Green, Teal Green, Blue, Medium Blue, RISO-Fed.Blue, Purple, Flat Gold, Orange, Crimson, Hunter Green, Gray, Light Gray, Fluorescent Pink*², Fluores. Orange*² (1000ml per cartridge)

Custom colours*² (50 colours) (1000ml per cartridge)

"Made-to-order" colours*² (1000ml per cartridge)

Coloured tape

Specialized RISO Job Separator tape (10 rolls)



*1: The printing plate life varies depending on the usage environment. *2: Made-to-order only. "Made-to-order" colours may not be available in soy-oil based inks.

Contributes to Energy Conservation and Environmental Preservation

Low Energy Consumption During Printing

The RISO RZ1070 digital duplicator does not use toner for printing and hence is not fitted with heated rollers (used in laser printers and photocopiers to melt toner particles and fuse them to the paper). It does not require warm-up time when turned ON, contributing to energy conservation. Further, the high printing speed reduces electricity consumption time. Other energy saving features include the Auto Power-off function, that automatically switches off the unit after a predetermined operation time, and the Auto Sleep function, that enables the digital duplicator to enter the "sleep mode" while still connected to the computer network.

Compatible with a Wide Variety of Paper Stocks

In addition to regular paper used for business purposes and recycled paper, the RISO RZ1070 digital duplicator can print on a wide variety of other paper of different quality and thickness—from coarse to heavy.

[ENERGY STAR® Program Compliance]



RISO is a partner company of the international ENERGY STAR Program and RISO products meet the relevant standards.

Soy-oil based Ink

One of the ingredients of RISO INK Z TYPE is soy oil, making it a high quality and environmentally conscious product. It meets the soy oil content standards specified by the American Soybean Association and is certified to use the "CONTAINS SOYOIL" trademark. Materials that have been printed using RISO INK Z TYPE are permitted to display the "PRINTED WITH SOY INK" logo, proprietary of the American Soybean Association, enabling customer companies to emphasize their stance on environmental preservation to society.

Ink Saving Mode

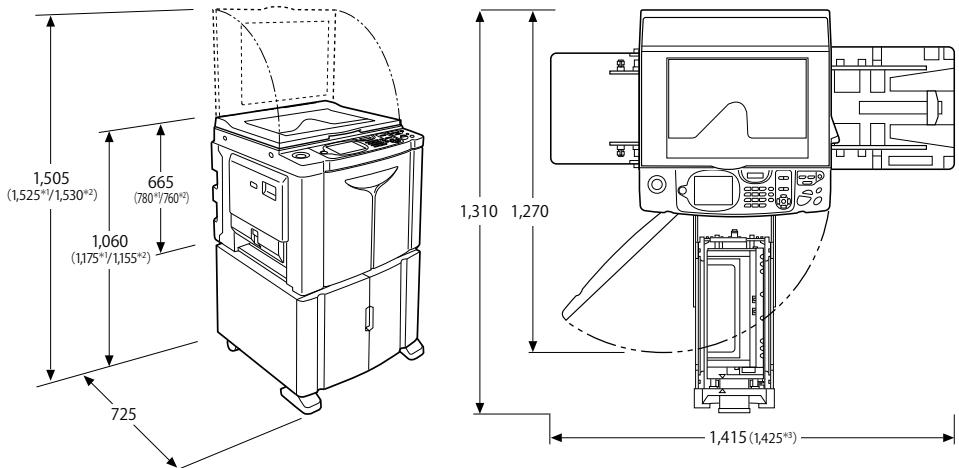
Printing documents in the Ink Saving Mode achieves a reduction in ink consumption of approximately 20%*¹, while maintaining sufficient print quality.

*1: Varies depending on the original document and other conditions

[Compliant with EU RoHS]

The RISO RZ1070 digital duplicator complies with EU RoHS standards that restrict the use of specified hazardous substances in all processes from production to disposal.

■ Dimensions (mm)



*1: When installed with RISO Auto document feeder DX-1. *2: When installed with RISO Auto document feeder AF-VI:II.
*3: When installed with RISO Auto-stacking tray. *4: When installed with RZ stand D type.

RZ1070 Specifications

| | |
|--|---|
| Master-making/Printing methods | High-speed digital master-making / Fully automatic stencil printing |
| Original type | Book, Sheet |
| Original size | When using the Glass Platen: 50mm x 90mm - 310mm x 432mm When using the AF-VI:II (option) : 100mm x 148mm - 310mm x 432mm When using the DX-1 (option) : 105mm x 128mm - 297mm x 432mm |
| Original paper weight | When using the Glass Platen: 10kg or less When using the AF-VI:II (option) : 50g/m ² - 128g/m ² When using the DX-1 (option) : Single sided feeding 40g/m ² - 128g/m ² , Double sided feeding 52g/m ² - 105g/m ² |
| Scanning area (max.) | 297mm x 432mm |
| Print paper size (max./min.) | When using the Standard Stacking Tray : 100mm x 148mm - 320mm x 432mm When using the Wide Stacking Tray (option): 100mm x 148mm - 340mm x 555mm |
| Paper supply capacity | 1000 sheets (64g/m ²) or height less than 110mm |
| Print paper weight | Standard: 46g/m ² - 210g/m ² , When using the Card Feed Kit (option): 100g/m ² - 400g/m ² |
| Image processing mode | Line, Photo (Standard/Portrait/Group), Duo (Line/Photo/Shadow off), Pencil (Darker/Lighter) |
| Resolution | Scanning resolution: 600dpi x 600dpi Printing image resolution: 600dpi x 600dpi |
| Master making time (for A4/Landscape/100% reproduction ratio) | Approx. 16 seconds |
| Printing area (max.) | 291mm x 413mm |
| Print reproduction ratio | Preset enlargements: 163%, 141%, 122%, 116% Preset reductions: 87%, 82%, 71%, 61% Zoom : 50% - 200%, Free (individual adjustment of length/width): 50% - 200%, Margin+ : 90% - 99% |
| Print speed | 60 - 180ppm, Five steps variable from the control panel (60, 80, 100, 120, 130ppm) 180ppm: Selectable from the touch panel |
| Print position adjustment | Vertical : ±15mm, Horizontal : ±10mm |
| Functions^¹ | ADF Semi-auto ^² , Admin setting, Auto idling, Auto page renewal, Auto-process, Auto 90°rotation (B5/A4 size only), Book shadow, Confidential, Custom paper entry, D-Feed check, Digital copy count, Direct access & Selections entry, Dot process, Energy saving mode, ID counter report, ID print, Info. mail, Ink saving, Interval, Job memory, Jump wing control, Layout, Max. scan., Multi-up print, My Direct access, Output reversal ^³ , Overlay ^⁴ , Page split, Photo contrast, Preview, Print density, Program print, Proof, Protect, Renew page, Reservation, RISO Editor, RISO i Quality System, Scanning contrast, Scanning side ADF ^⁴ , Silent, Special paper control, Storage Memory ^⁴ , Tone curve, Top & Side margin, USB flash print, User Management, 180°rotate, 2UP |
| Ink supply | Fully automatic (1000ml per cartridge) |
| Master supply/Disposal | Fully automatic (approx. 220 sheets per roll) |
| Master disposal box capacity | Approx. 100 sheets |
| User interface | LCD touch sensitive panel with Progress Arrow indicators, front-side operation |
| Input port | USB 2.0 ^⁵ , Ethernet (100BASE-TX/10BASE-T) |
| Network protocol | TCP/IP |
| Sound level (100ppm at operating position) | 65±1dB |
| Power source | 100V - 120V AC, 50Hz - 60Hz <5.0A> 220V - 240V AC, 50Hz - 60Hz <2.2A> |
| Power consumption without option | 100V - 120V Max.: 400W, During stand-by: 43W, During sleep mode: 2W 220V - 240V Max.: 380W, During stand-by: 43W, During sleep mode: 3W |
| Dimensions (WxDxH) without stand | When in use : 1415mm(W) x 705mm(D) x 665mm(H) When in storage : 780mm(W) x 705mm(D) x 665mm(H) |
| Weight without stand | Approx. 116kg |

Specifications are subject to change without notice. Details may vary depending on the region.

*1: Some functions may not be available depending on the printer setting. *2: Optional Auto Document Feeder (AF-VI-II) is required. *3: Optional Document Storage Card DM-128CF is required. *4: Optional Auto Document Feeder DX-I is required. *5: Use a commercially available USB cable less than 3m (that conforms to the USB 2.0 standard).



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All other trademarks are the property of their respective manufacturers or organizations.
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The colour of the actual product may vary from the colour shown in this brochure.



RISO KAGAKU CORPORATION
<http://www.riso.com/>

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