



The new benchmark in digital duplicators

RISO RZ 977

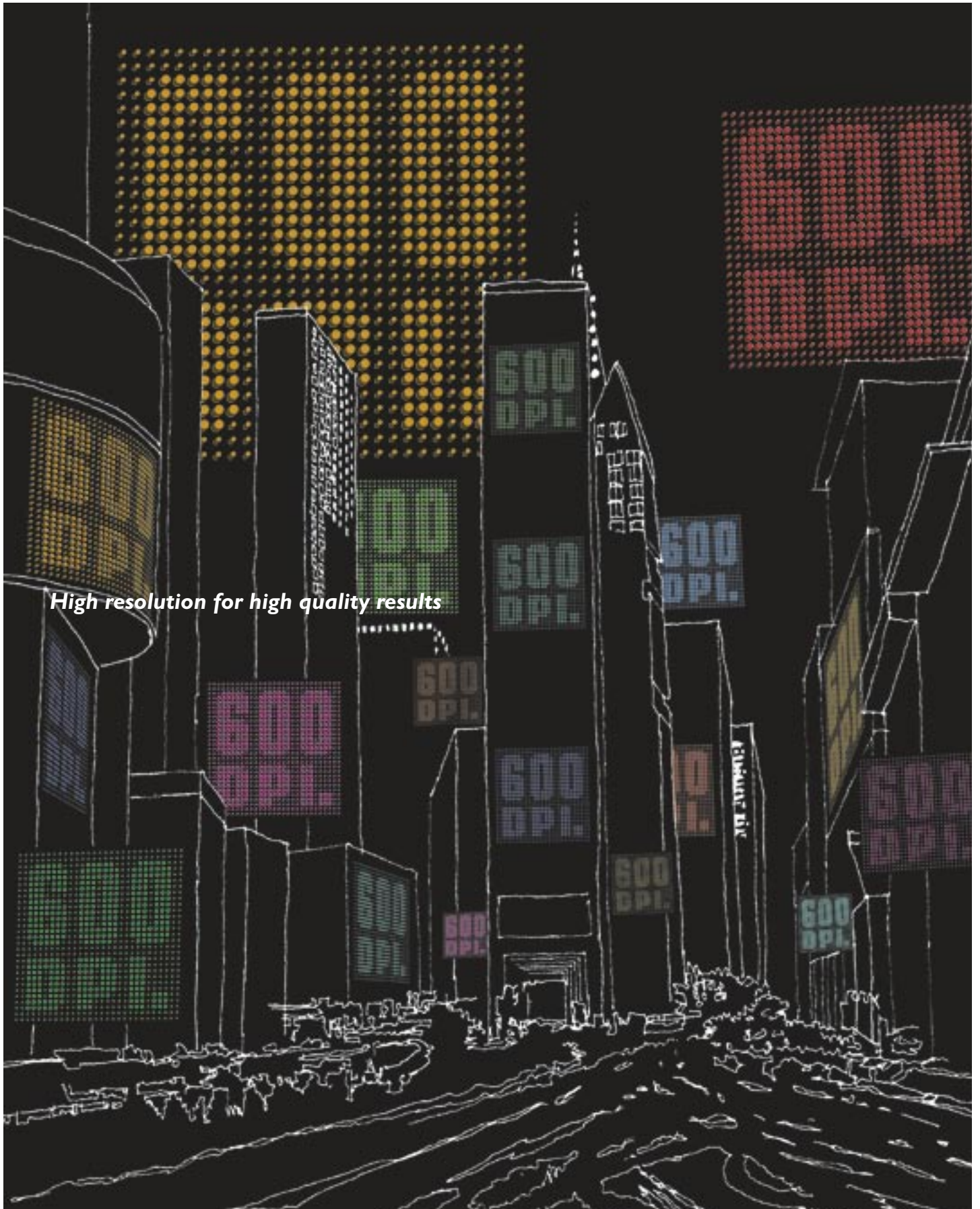
RISO RZ 970



180 sheets – the work of a single minute

180ppm

RISO's highest print speed – an astonishing 180ppm—gets even your biggest job done in a flash. For example, a print run of 10,000 pages takes less than an hour to complete. No matter how big the job, you can rely on RISO 900 series printers to take care of it fast.



High resolution for high quality results

600dpi

High-resolution 600dpi scanning and printing is your assurance of beautifully clear output with a truly professional look. Thanks to the fine dot pitch, small typefaces are superbly legible, large curves have smooth outlines, and halftone photos have fine tonal gradations.

High-powered editing and mode functions

Letter/photo/duo/ pencil modes

Four preset modes – letter, photo, duo or pencil – give you one-touch selection of optimum print settings according to the content of your document.

Choose letter mode for text-only documents; photo mode for photos or illustrations; duo mode for documents that are a mix of text and photos; and pencil mode for illustrations drawn in pencil.

A choice of three photo modes

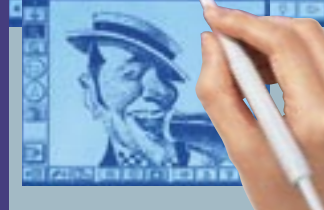
Choose from three photo modes according to content. Standard mode is the basic setting designed to give excellent results with the majority of photographs.

Portrait mode

Portrait mode is optimized to give clear gradations of skin tones, resulting in superbly lifelike output.

Group photo mode

This mode uses a special algorithm to clearly show faces in group photos, so subjects can easily pick themselves out.



Pencil mode

Illustrations drawn in pencil sometimes fail to scan cleanly resulting in missing or very faint lines. Pencil mode is optimized to clearly scan and print such illustrations to assure you of superb results.

RISO Editor

With the RISO Editor, you can quickly and easily move individual blocks of text, photos or illustrations, specify image color, select image/frame/screen reversal (negative/positive), erase images, and add clip art from Document Hold.

Preview mode

Preview mode displays your document on the touchpanel exactly as it will appear when printed. This lets you make a final layout check, ensuring your output is precisely as you intended.



Digital print position adjustment

Even after your master is made, you can shift the total print area about. With vertical adjustment of +/- 15mm and horizontal adjustment of +/- 10mm, you can place your printing exactly where you want it on the paper.



Image color specification

Image/Frame/Screen

Reverse

Erase

Image shift

Area cancellation

Clip art

Back ground



The control panel on RZ900 series printers is divided into two separate areas: the primary area features physical buttons while the secondary area consists of a touchscreen display panel. All default settings are available from the dedicated buttons in the primary area for easy, intuitive operation, while deeper, custom operations are accessed via logical menus on the touchscreen.

Security and wide-ranging versatility

Auto 90° rotation

This copier-like function automatically rotates the print area by 90° to match paper orientation. No matter whether paper is loaded in portrait or landscape orientation,

you're assured of successful printing. It also works when reducing or enlarging – for example from A3 to A4 – to best fit the print area to the chosen paper size.

Wide range of paper weights

Unlike a copier, RISO 900 series printers let you use a wide range of paper weights, ranging from 46 to 210 g/m². And this means you can choose the paper stock that's most suited to your print job. What's more, addition of the optional wide stacking tray allows use of paper up to 340 x 555mm – even larger than A3 size.



Protect

Protect function is ideal for printing confidential documents. When your print run is finished, the printer asks if you wish to discard the master and feed it into the disposal box, preventing unauthorized personnel from making further prints. And as a further protection, the disposal box can be locked to keep confidential masters away from prying eyes.

More valuable RISO functions

Book shadow

Job memory

Interval

Program mode

Renew pages

Enlargement/reduction of originals with

Standard Ratio, Auto, Free, Margin+ and Zoom

Top margin

Side margin

And much more...

Intelligence and convenience

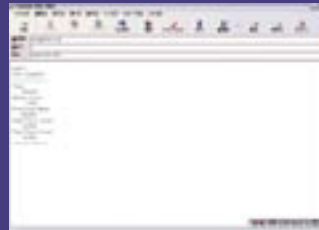
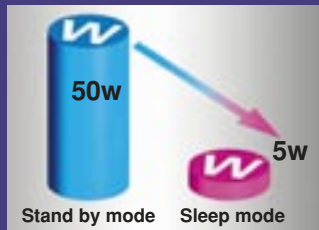
Energy-saving sleep mode

RZ900 series printers can be set to enter sleep mode after a predetermined time with no operation. Energy consumption is cut to just

5W while maintaining network-awareness for instant access from a remote computer. A touch on the wake-up key also restores the printer to full operation status.

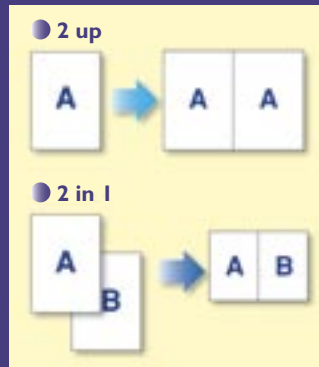
Double-feed check

Occasionally two sheets of paper feed at once, resulting in a blank page in the printed document stack. To prevent this, a photoelectric cell detects whenever two sheets feed together and automatically halts operation to alert you and allow you to quickly and easily remove the blank sheet.



Mail

The mail function communicates directly with the network administrator's e-mail account, sending information on status of consumables such as ink and masters, total print counter, and error codes in the event of a malfunction. Keeping the administrator informed of remaining ink and masters allows timely replacement, minimizing or eliminating down time. Knowledge of a malfunction's error code allows the administrator to accurately communicate the problem to a RISO service center for either troubleshooting via telephone or prompt dispatch of service personnel.



Document hold

This convenient feature lets you scan and store frequently used items such as letterheads, forms and the like. The touch of a button recalls the data for master-making, eliminating the need to scan the item every time you wish to use it.

Overlay

Overlay works with document hold. For example, to print a letterhead on a document simply recall the data from document hold. It is then automatically overlaid on the master at the same time as the document data.

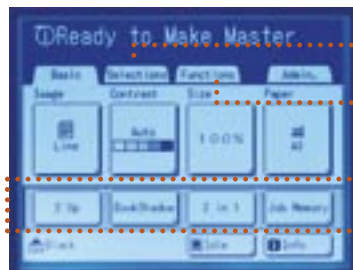
Multi-up printing

Multi-up printing lets you print multiple copies of the same original or multiple originals on a single sheet of paper. Available multi-up modes include 2-, 4-, 8- and 16-up as well as ticketmode.

Enjoy one-touch access to your most frequently-used functions

Direct access

● Program and store your **four** most frequently-used functions for instant, direct access.



Selections

Store **nine** frequently-used functions on this page for easy access.

Functions

This page gives access to a list of all printer functions for easy selection.

Ultimate paper-handling convenience

Auto document feeders

Two optional auto document feeders are available. AF-VI:II is a single-side scanning unit that scans at double speed, while DX-I is a dual-side scanning type with quadruple-speed scanning*. Both units have a 50-sheet capacity.

Auto document feeder AF-VI:II



Auto document feeder DX-I



*Compared with previous RISO auto document feeders.

Multi-tray paper feeder

The multi-tray paper feeder unit (standard for RZ977 only) adds two further 1,000-sheet paper trays to the standard 1,000 sheet paper tray. You can load paper of different sizes in each tray for immediate access, or load the same size paper in all three trays for long, uninterrupted print runs.



Multi-tray paper feeder (Z/V)



Auto control stacking tray

The auto control stacking tray (standard for RZ977, option for RZ970) automatically adjusts the stacking fence to match paper size. This means your finished documents will always be neatly aligned with no edges sticking out to get folded or mutilated.



Auto control stacking trayII

600dpi scanning/printing and more assure superb results

Pre-suction mechanism

The newly developed presuction mechanism cleanly separates the paper from the print drum and eliminates faint or ghost images caused by ink sticking to the drum.



Pre-suction: on

600dpi scanning and printing

Full 600dpi scanning and printing gives beautifully clear output. In particular, very small letters are superbly legible and large curves have ultra-smooth outlines.



600x600dpi



300x300dpi

HD Black ink and HD masters

Specially developed for the RZ900 series, RISO HD Black ink and HD masters give a deeper, richer black for an even more professional and pleasing look to documents.



HD Black ink



Standard Black ink

Scanning contrast

Adjusts contrast when scanning documents for best legibility.

Tone curve

Free adjustment of overall tone curve for finer tone gradations.

Dot process

Adjusts dot pitch for clearer, sharper halftone photos.

Contrast adjustment

Allows final adjustment of contrast before making the master.

Print density adjustment

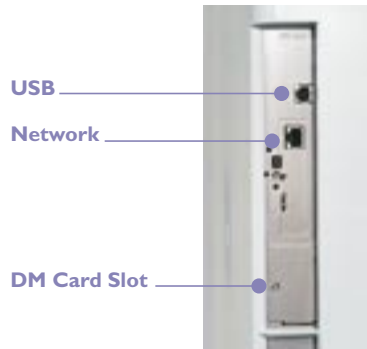
Easy control of total print density for greater legibility.

RISO iQualitySystem™

Automatic assurance of optimum print quality, easy monitoring of consumables.

*Illustrations are for image purposes only.

Easy connection, wide-ranging network compatibility



One-touch USB connection

Built-in USB 2.0 port gives one-touch, high-speed connection to a single computer giving virtually instant access to the ultra high speed RZ900 series printers.



Adobe PostScript 3 compatibility

Addition of the PS7R-5000 adaptor gives RZ900 series printers full compatibility with Adobe PostScript 3, the worldwide standard in imaging used by print service providers, publishers, corporations, and government agencies.

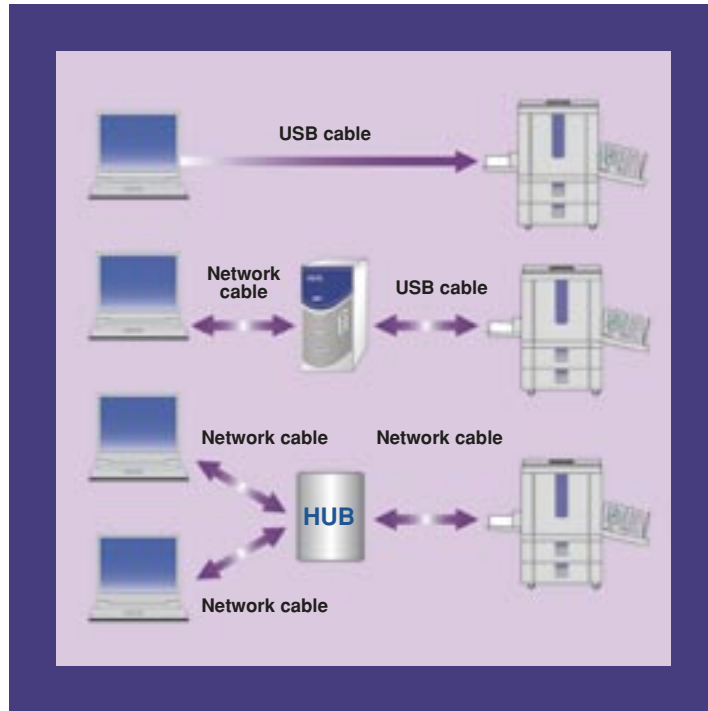
You can rely on the power of Adobe PostScript 3 to accurately print the most complex, visually rich documents.



PS7R-5000

The ideal addition to your network

RZ900 series printers are also superbly adapted to use as network printers. Bundled RISO Admin and RISO Monitor software further raise utility, with RISO Admin software providing easy network configuration such as setting the IP address, and RISO Monitor software giving real-time status of remaining volume of consumables, current printer operation status, and more.



RISO Monitor screen

The power to get the job done

Ultra high-speed 180 ppm printing

RZ900 series printers set a new benchmark for high-speed printing. Thanks to 180ppm output, you can print an astonishing 10,000

copies in less than an hour, making short work of even the heaviest print job.

Time to print 10,000 copies

- 180ppm (RZ900 series)
- 120ppm (previous RISO printers)
- 40ppm (High-speed copier)

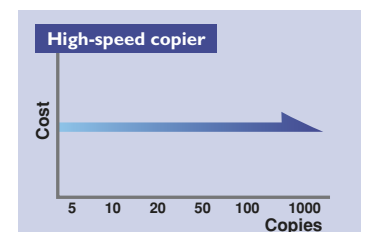


Enhanced cost-efficiency

Falling price per page

With a RISO printer, the longer your print run, the lower the cost per page – unlike a copier where the cost per page is fixed. Since the major cost for any job is the price of the

master, the more pages you print the less each one costs, to the point where you're paying little more than the price of the paper and ink.



Choose from this wide range of options to enhance your RZ977/RZ970

A wide variety of colors is available. Drums can be stored in their own case.



Color drum



Color drum

A special drum for A4 size landscape paper.

Helps manage costs by showing number of copies printed and masters used in a given time period.



Key card counter IV:N



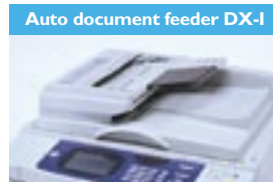
Job separator IV:N II

Allows the machine to print and sort into groups separated by tape.

Automatic feed of up to 50 sheets of originals.



Auto document feeder AF-VI:II



Auto document feeder DX-I

Automatic scanning of both sides of originals and automatic feeding. 50 sheet capacity.

Allows use of paper up to 340 x 555 mm.



Wide stacking tray



Auto control stacking tray II

Automatically adjusts the stacking gate to match paper size and orientation.

Allows use of thicker stock such as cards and envelopes.



Special paper feed kit



Ink/master holder

Neat, convenient storage of ink and masters.

Sturdy open-front stand also offers convenient storage of consumables.



Stand N type



Stand D type

Deluxe stand with doors for convenient storage with a neat appearance.

Provides compatibility with Adobe PostScript 3.



PS7R-5000



Network interface card
RISORINC-NET

Gives the printer network connection. Comes bundled with RISO-MONITOR remote printer-monitoring software.

High quality RISO masters provide the best performance match with RZ900 series printers, giving a sharp clear image to all your documents.



RISO Master Z type HD 87

RISO Ink Z type HD Black/
RISO Ink Z type Color ink

A huge selection of colors lets you add powerful impact to your documents. And because the ink is made by RISO, you're assured of the highest quality results.

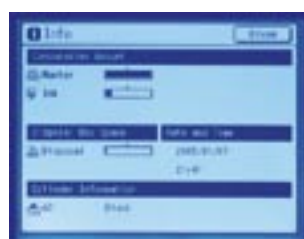
RISO i Quality System™

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/master volume.***
- **Minimized paper waste.**

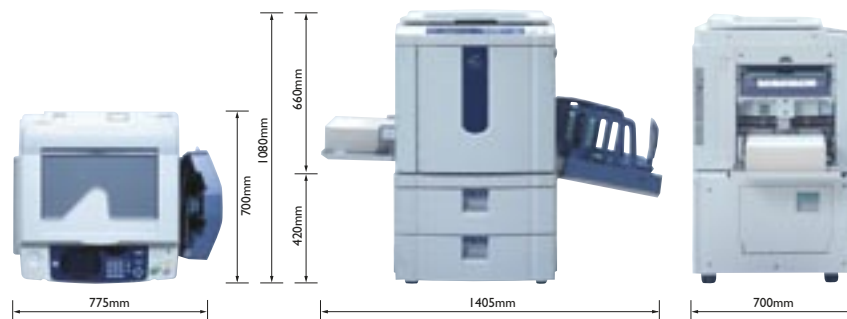
The RISO i Quality System gives easy monitoring of the status of consumables.

Simply press the "i Info" button on the Basic Screen for a graphic display of remaining consumables.



RISO RZ 977

RISO RZ 970



RZ977/RZ970 Specifications

Master-making/printing methods	High-speed digital master-making/fully automatic stencil printing
Original Type	Book (10kg or less), sheet
Original Size	When using the Stage Glass : 50mm x 90mm – 297mm x 432mm When using the AF-VI (option) : 100mm x 148mm – 297mm x 432mm When using the DX-I (option) : 105mm x 128mm – 297mm x 432mm
Original Paper Weight	When using the Stage Glass : 10kg or less When using the AF-VI (option) : 50g/m ² – 128g/m ² When using the DX-I (option) : Single side feeding 40g/m ² – 128g/m ² , Double side feeding 52g/m ² – 105g/m ²
Scanning Area (max.)	297mm x 432mm
Print Paper Size	RZ977/RZ970 :When using the Standard Feed Tray : 100mm x 148mm – 320mm x 432mm RZ977 :When using the Multi Tray Paper Feeder : 182mm x 257mm – 297mm x 432mm RZ977/RZ970 :When using the Wide Stacking Tray : 100mm x 148mm – 340mm x 555mm
Paper Supply Capacity	RZ977/RZ970 :When using the Standard Feed Tray : 1000 sheets (64g/m ²) RZ977 :When using the Multi Tray Paper Feeder : 1st Tray 1000 sheets (64g/m ²), 2nd Tray 1000 sheets (64g/m ²)
Print Paper Weight	RZ977/RZ970 :When using the Standard Feed Tray : 46g/m ² – 210g/m ² RZ977 :When using the Multi Tray Paper Feeder : 52g/m ² – 105g/m ²
Image Processing Mode	Line, Photo (Standard/Portrait/Group), Duo, Pencil
Resolution	Scanning : 600dpi x 600dpi Printing : 600dpi x 600dpi
Master-making Time	Approx. 16 seconds (for A4/landscape/100% reproduction ratio)
Printing Area (max.)	291mm x 413mm
Print Reproduction Ratio	Zoom : 50% – 200% Standard reproduction ratio (enlargement) : 163%, 141%, 122%, 116% Standard reproduction ratio (reduction) : 87%, 82%, 71%, 61% Free :Vertical 50% – 200%, Horizontal : 50% – 200% Margin+ : 90% – 99%
Print Speed	Approx. 60 – 180 pages per minute
Print Position Adjustment	Vertical : 15mm Horizontal : 10mm
Ink Supply	Fully automatic (1000 ml per cartridge)
Master Supply/Disposal	Fully automatic (approx. 220 sheets per roll)
Master Disposal Capacity	100 sheets
User Interface	LCD touch sensitive panel with Progress Arrow indicators, front-side operation
Features	RISO EDITOR, Auto-Process, Dot Process, Contrast Adjustment, Tone Curve, Ink Saving, Multi Up Print, Book Shadow, Auto 90o rotation, Top & Side Margin, Preview, Silent, Print Density Adjustment, Proof, Double Feed Check, Interval, Paper Interposaf ¹ , Eject Wing Control, Special Paper Control, Auto Control Stacking Tray*2, Confidential, Program, Job Memory, Reservation, Renew Page, Auto Page Renewal, Max. Scan, ADF Semi-Auto*3, Scanning Side ADF*4, Digital Copy Count, Rotate, Custom Paper, Protect, Energy Saving Mode, Admin, Direct Access & Selections Entry, USB2.0, Built-in Network Card, Info. Mail, Scan Mode*5, Storage Memory*5, Overlay*5, Link Print*6, RISO i Quality System
Power Source	100V–120V AC, 50Hz/60Hz <7A> 220V–240V AC, 50Hz/60Hz <3A>
Dimensions	RZ977 :When in use : 1405mm(W) x 700mm(D) x 1080mm(H) RZ970 :When in use : 1405mm(W) x 700mm(D) x 660mm(H) without Stand RZ977 :When in storage : 775mm(W) x 700mm(D) x 1080mm(H) RZ970 :When in storage : 775mm(W) x 700mm(D) x 660mm(H) without Stand
Weight	RZ977 :Approx. 184kg RZ970 :Approx. 115kg without Stand

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

- *1: For RZ977 only, Multi Tray Paper Feeder is required.
- *2: Auto Control Stacking Tray is required. RZ970 : Option, RZ977 : Standard.
- *3: Optional Auto Document Feeder (AF-VI or DX-I) is required.
- *4: Optional Auto Document Feeder DX-I is required.
- *5: Optional Document Storage Card DM-128CF is required.
- *6: Optional Networked Laser Printer is required.

For more details please contact:

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