Speed Forward

A new standard of performance that exceeds your expectations

RISO SF5230

Digital duplicator

RISO *SF5230*

B4/130 ppm/300 × 600 dpi/LCD panel/
Versatile connectivity

Introducing the SF series, the all-new global brand that meets all kinds of user needs

Employed in over 180 countries and regions, RISO has been successfully meeting all user needs by constantly listening to the feedback from our customers in order to continually improve our products. The SF series is an important milestone and a masterpiece of our ceaseless innovation. With the fastest speed in its class plus the superior operability and print quality, the SF series ushers you into a higher dimension of printing.

High Productivity

130 ppm High-speed printing

Simple Operation

New control panel design

High Definition

300 x 600 dpi High-resolution

RISO *SF 5230*

"Since print volume is normally very large, time and costs are major concerns."

RISO offers outstanding productivity through high speed and low cost.

High-speed 130 ppm printing

Achieving 1000 pages printed in approx. 8 minutes. This surprisingly rapid rate will efficiently support your heavy paperwork requirements.

B&W Photocopiers/Laser Printers (40 ppm)	25 minutes
SF 5230	8 minutes

Quick Master Making mode NEW

A new function, speed priority mode, shortens the master-making time while still maintaining high image quality.

Heavy-load paper feeding

The paper trays have a capacity of 1000 sheets* for both feeding and receiving, which ensures uninterrupted printing over a longer period.

*When using the following weight of paper: 64 gsm to 80 gsm

Overwhelmingly economical print costs

The SF series makes prints from a master. As a result, the more pages generated from each master the lower the cost per print, making it highly economical for medium- to high-volume printing.
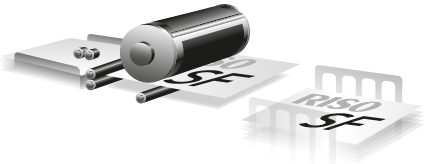
Print quantity and cost per print

Printing cost per print / Cost per print / Cost per print of a general copier / Number of prints made
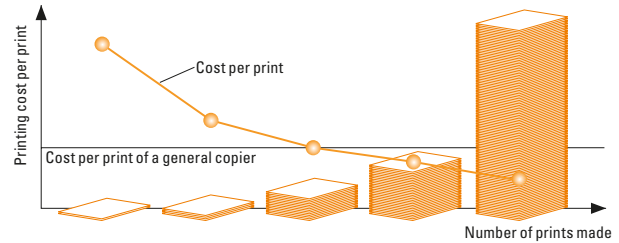
Paper saving

Page layout printing combines multiple copies of the same page, or copies of multiple pages onto a single printed page to save paper. Conveniently condense bulky multiple-page documents in an easy-to-read format. These functions are available when using the printer driver.
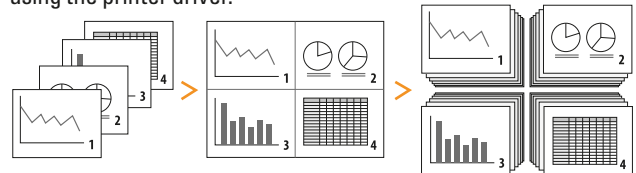
### Versatile paper handling capability

The SF series plays multiple roles, accepting a wide range of paper types such as recycled paper, coarse paper, cards and envelopes.

Easily adjustable receiving tray Improved

The receiving tray can be adjusted easily with a click feeling for each standard paper size. Improved design allows printed papers to settle in an orderly way for smooth pickup.
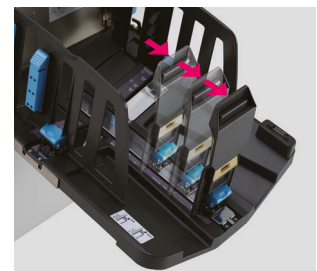
"Aren't digital printers difficult to operate?"

No need to worry.
Operation is easy for everyone.

Redesigned control panel `Improved`

New, easy-to-use control panel provides intuitive operation.

Easy-to-use LCD panel `NEW`

The information on the 128 × 64 dot LCD panel can be easily viewed, and it also shows the residual capacity of supplies to prevent an out-of-stock situation occurring.
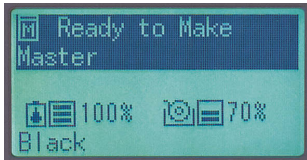
Various printing approaches

The SF series offers various ways of printing, depending on your specific requirements.

- Standard equipment of PC-I/F
- Direct printing from a USB flash drive

RISO console `NEW`

The total management system improves convenience by integrating applications in one place. Product, consumables and system information can all be checked easily on your PC.
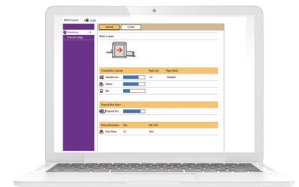
Versatile program print

For example, you can print question papers for three different classes, A, B and C, that contain different numbers of students. Simply set up the program, place the three original tests in the Auto Document Feeder and press "print" — you'll automatically receive the required numbers of each individual test.

Program A

Original

- Group 1 → 20 pages | 20 pages | 2 sets
- Group 2 → 30 pages | 1 set
- Group 3 → 40 pages | 40 pages | 2 sets
- Group 4 → 50 pages | Max. 99 sets | 1 set

Max. 9,999 pages

Program B

- Original A → 10 pages
- Original B → 20 pages
- Original C → 30 pages

Max. 20 originals
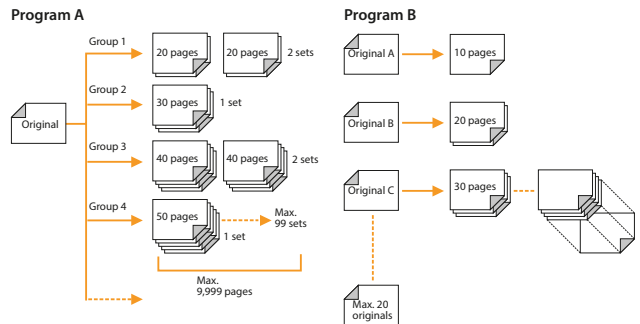
"We don't want to compromise the beauty of the finish."

Images and text can be printed with outstanding quality.

High image quality 300 × 600 dpi printing `Improved`

Improved resolution for both scanning and printing. This achieves sharp and clear output with the highest image quality.

300 × 300 dpi > 300 × 600 dpi

Enhanced features for clearer output

High scanning quality `NEW`
The newly designed scanner attains smooth tonal gradation even with photo images.

- Reduced blown-out highlights via equalized dot description

Improved image-processing function `Improved`
Decreases image deterioration through improved image processing, delivering clearer output.
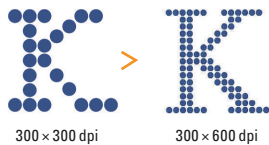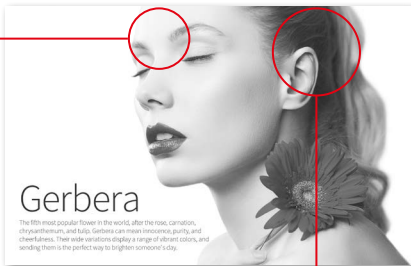
- Minimizes blocked-up shadows through enhanced gamma correction
- Sharp outlines with contour enhancement achieved

Reduced blown-out highlights

Minimizes blocked-up shadows
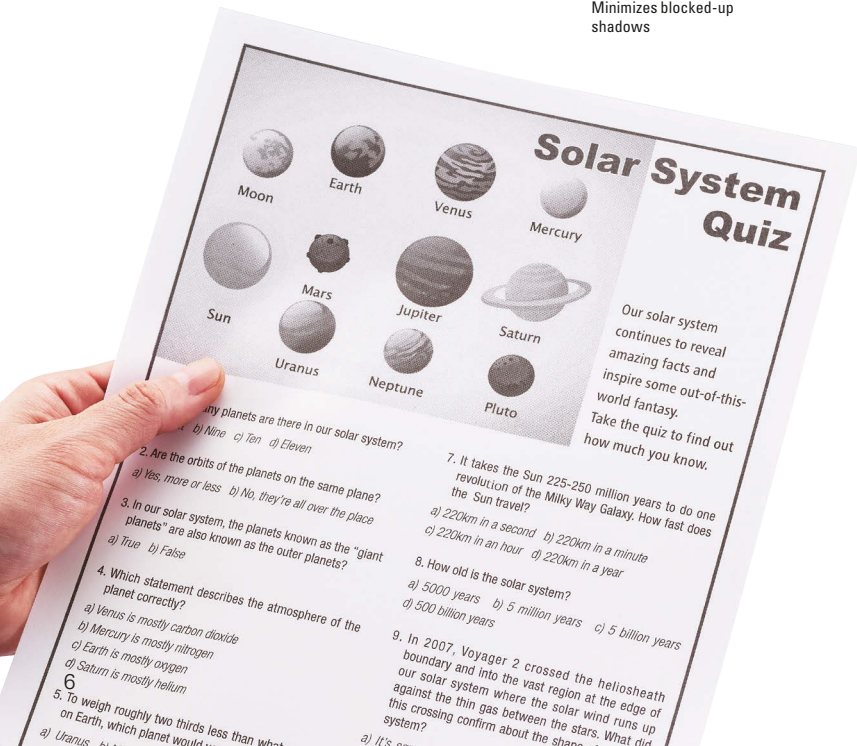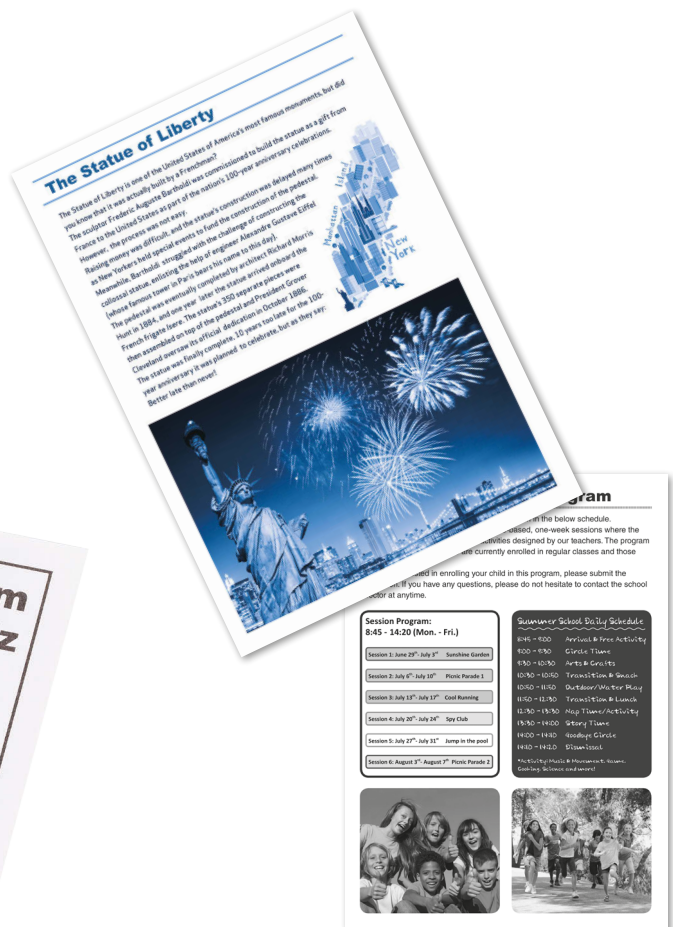
Ink color variations

21 standard colors plus 50 custom colors are available. A wide range of printing colors can meet the needs of a variety of print jobs.

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

[Custom colors]

Other various functions for optimum output

- Auto base control
- Tone smooth function
- Four image-processing modes: Line, Photo, Duo, and Pencil

Gerbera
The fifth most popular flower in the world, after the rose, carnation, chrysanthemum, and tulip. Gerbera can mean innocence, purity, and cheerfulness. Their wide variations display a range of vibrant colors, and sending them is the perfect way to brighten someone's day.

The Statue of Liberty
The Statue of Liberty is one of the United States of America's most famous monuments, but did you know that it was actually built by a Frenchman?

The sculptor Frederic Auguste Bartholdi was commissioned to build the statue as a gift from France to the United States at part of the nation's 100-year anniversary celebrations.

However, the process was not easy.

Raising money was difficult, and the statue's construction was delayed many times as New Yorkers held special events to fund the construction of the pedestal.

Meanwhile, Bartholdi struggled with the challenge of constructing the colossal statue, enlisting the help of engineer Alexandre Gustave Eiffel (whose famous tower in Paris bears his name to this day.)

The pedestal was eventually completed by architect Richard Morris Hunt in 1884, and one year later the statue arrived onboard the French frigate Isere. The statue's 350 separate pieces were then assembled on top of the pedestal in October 1886, Cleveland oversaw its official dedication to celebrate, but as they say: Better late than never!

The statue was finally complete, 10 years too late for the 100-year anniversary it was planned to celebrate, but as they say: Better late than never!

Solar System Quiz

Our solar system continues to reveal amazing facts and inspire some out-of-this-world fantasy. Take the quiz to find out how much you know.

Moon, Earth, Venus, Mercury, Mars, Jupiter, Saturn, Sun, Uranus, Neptune, Pluto

1. ...any planets are there in our solar system?
   ...b) Nine   c) Ten   d) Eleven
2. Are the orbits of the planets on the same plane?
   a) Yes, more or less   b) No, they're all over the place
3. In our solar system, the planets known as the "giant planets" are also known as the outer planets?
   a) True   b) False
4. Which statement describes the atmosphere of the planet correctly?
   a) Venus is mostly carbon dioxide
   b) Mercury is mostly nitrogen
   c) Earth is mostly nitrogen
   d) Saturn is mostly helium
5. To weigh roughly two thirds less than what on Earth, which planet would...
   a) Uranus...

7. It takes the Sun 225-250 million years to do one revolution of the Milky Way Galaxy. How fast does the Sun travel?
   a) 220km in a second   b) 220km in a minute
   c) 220km in an hour   d) 220km in a year
8. How old is the solar system?
   a) 5000 years   b) 5 million years   c) 5 billion years
   d) 500 billion years
9. In 2007, Voyager 2 crossed the heliosheath boundary and into the vast region at the edge of our solar system where the solar wind runs up against the thin gas between the stars. What did this crossing confirm about the shape...
   system?
   a) It's...

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Summer School Daily Schedule

Session Program:
8:45 - 14:20 (Mon. - Fri.)

Session		
Session 1: June 29th- July 3rd	Sunshine Garden
Session 2: July 6th- July 10th	Picnic Parade 1
Session 3: July 13th- July 17th	Cool Running
Session 4: July 20th- July 24th	Spy Club
Session 5: July 27th- July 31st	Jump in the pool
Session 6: August 3rd- August 7th	Picnic Parade 2

Time	Activity
8:45 - 9:00	Arrival & Free Activity
9:00 - 9:30	Circle Time
9:30 - 10:30	Arts & Crafts
10:30 - 10:50	Transition & Snack
10:50 - 11:50	Outdoor/Water Play
11:50 - 12:30	Transition & Lunch
12:30 - 13:30	Nap Time/Activity
13:30 - 14:00	Story Time
14:00 - 14:10	Goodbye Circle
14:10 - 14:20	Dismissal

*Activity: Music & Movement, Swim, Cooking, Science and more!

"How can we manage the information and consumables."

We support information and consumables management.

IC card security

Enhanced security by an optional IC card activation kit. Only an authorized user can perform printing, effective to prevent divulging information from secret documents.

Usage report

The SF series provides RISO Copy Count Viewer for counting users' printouts, useful for understanding expenses and usage restriction. The aggregate results are available via printout, USB flash drive or email.

"Ecology is an important concern to us all."

We strongly care about global environmental issues as well.

Eco-friendly

The SF series consumes 1/10th the energy, compared with energy star guidelines.

• ENERGY STAR® qualified and RoHS certified
• Complies with the ErP directive in Europe
• Consumes less power and produces less heat
• Energy-saving system

Rice bran oil ink   **NEW**

The rice bran oil ink contributes to environment sustainability. Rice bran, which would be otherwise wasted, is a raw material with no VOCs, so after the oil is extracted for the ink. It can subsequently be used as fertilizer or animal feed.

Dimensions

780 mm
1215 mm
1240 mm
1415 mm
1515 mm
1065 mm
670 mm
670 mm
675 mm

RISO SF 5230
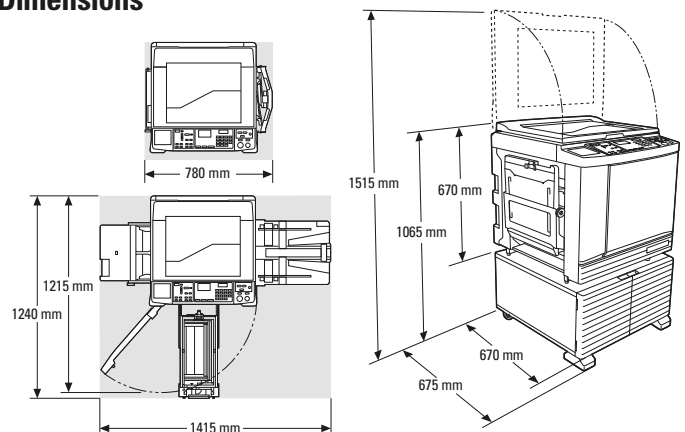
Optional Accessories

RISO SF Drum

RISO Auto Document Feeder VII

Job Separator IV; NIII

Card Feed Kit

RISO Key Card Counter IV; N

RISO Stand D Type III
Deluxe and with doors for convenient storage with a neat appearance.

RISO Stand N Type III
Sturdy open-front stand also offers convenient storage of consumables.

• IC Card Reader Activation Kit RG
• RISO Network Kit RG
• RISO Printer driver for Macintosh

RISO i Quality System™

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

RISO INK F Type Color (1000 ml)

RISO MASTER F Type (B4: 250 sheets)

RISO INK F Type (1000 ml)

Specifications

Master Making/Printing Methods		High-speed digital master-making/Fully automatic printing
Original Type		Book or sheet
Master Making Time*1	Quick Master Making mode	Approx. 18 seconds (A4, short-edge feed)
	Normal master making mode	Approx. 20 seconds (A4, short-edge feed)
Resolution	Scanning	600 dpi × 600 dpi
	Printing	300 dpi × 600 dpi, Quick Master Making mode: 300 dpi × 400 dpi
Maximum Scanning Area		297 mm × 432 mm
Print Paper Weight		46 gsm to 157 gsm
Print Paper Size		100 mm × 148 mm to 310 mm × 432 mm
Maximum Printing Area		251 mm × 357 mm
Paper Feed Tray Stacking Capacity		1000 sheets*2, stacking height of 110 mm or lower
Paper Receiving Tray Stacking Capacity		1000 sheets*2, stacking height of 110 mm or lower
Print Speed		5 levels: 60, 80, 100, 120 and 130 ppm
Print Position Adjustment		Horizontal: ±15 mm, Vertical: ±10 mm
Image Processing Mode		Line, Photo, Duo, Pencil
Print Reproduction Ratio		Zoom: (50% to 200%), Free, 100% reduction ratio, 3 levels of enlargement (141%, 122%, 116%), 4 levels of reduction (94%, 87%, 82%, 71%)
User Interface		LCD panel
Functions		Original Scanning mode, Scanning Level, Enlargement/Reproduction, Dot Process, 2-Up, Book, Ink Saving, Quick Master Making, ADF-Semi-Auto*3, Speed, Density, Print Position, Program A/B, Job Separation*3, Idling, Confidential, Meter Display, Count Report Output, Proof, Direct Printing, USB Flash-via-Printing, Auto Sleep Setting, Auto Power-OFF Setting, ECO mode, RISO iQuality System
Ink Supply		Full automatic (1000 ml/cartridge)
Master Supply/Disposal		Full automatic (B4: approx. 250 sheets per roll)/Disposal capacity: approx. 100 sheets
Power Source		AC 100-120 V 3.4 A, AC 220-240 V 1.6 A, 50-60 Hz
Power Consumption	Standard	Max.: 300 W, Ready: 20 W or lower, Sleep: 5 W or lower, Power-OFF: 0.5 W or lower
	Optional Accessories Connected*4	Max.: 315 W, Ready: 30 W or lower, Sleep: 10 W or lower, Power-OFF: 0.5 W or lower
Dimensions (W×D×H)	In use	1415 mm × 670 mm*5 × 1065 mm*6
	In storage	780 mm × 670 mm*5 × 1065 mm*6
Required Space (W×D×H)		1415 mm × 1240 mm × 1515 mm*6
Weight		100 kg*7
Safety Information		IEC-60950-1 compliant, indoor, pollution degree 2*8, at altitudes of 2000 m or lower

*1 Measurement value when set to 100% reproduction ratio.
*2 When using the following weight of paper: 64 gsm to 80 gsm
*3 Optional accessories required.
*4 When all the following optional accessories are installed, Auto Document Feeder, Job Separator, Key/Card Counter.
*5 The depth does not include the stabilizers for the stand.
*6 The height includes the stand.
*7 The weight does not include the ink, master roll, and stand.
*8 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.
Notes: The specifications are subject to change without prior notice.

For more details please contact: