



KONICA MINOLTA

R3 SUPER SERIES

KONICA MINOLTA DIGITAL MINILAB SYSTEM

R3 SUPER 1000 COMPACT

R3 SUPER 1000 SEPARATE

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⚠ For safest results Carefully read the instruction manual before use and follow directions. Keep away from places subject to water, humidity, dust, oil, steam and other conditions, which may cause fire or other accident. Be sure to use the designated voltage and current.
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 Supported by studio CLASSICO

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Ver.2
 2005.08 8,000 *AF2

The essentials of imaging

*A spectacular new world of 12-inch output and 400 x 800 dpi resolution,
with a space-saving footprint of only 1.5 m²*

R3
SUPER 1000



1.5 m²
12 x 18 inch
400 x 800 dpi

- Compact design requires less 1.5 m².
- Large-format 12 x 18 inch prints at world's highest level of quality.
- 400 x 800 dpi resolution, equipped with KONICA MINOLTA's S.E.A.D. exposure engine.
- Ultra high image quality through newly designed chemicals, exposure unit, and special paper.

R3 SUPER 1000 COMPACT without film scanner
Compact type designed especially for digital print services.
Same as regular compact type, but without film scanner.



R3 SUPER 1000 COMPACT (Film scanner available as option.)

Separate type to boost efficiency of operations like image editing

R3
SUPER 1000

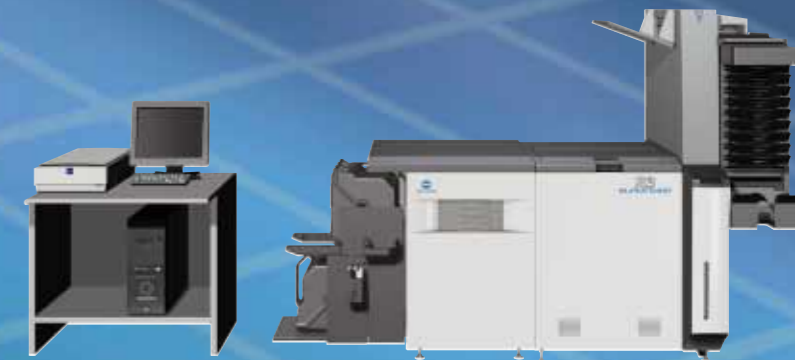
12 x 18 inch

400 x 800 dpi

- Modular design enables different layouts to match operating environment.
- Large-format 12 x 18 inch prints at world's highest level of quality.
- 400 x 800 dpi resolution, equipped with KONICA MINOLTA's S.E.A.D. exposure engine.
- Super high image quality through newly designed chemicals, exposure unit, and special paper.



R3 SUPER 1000 SEPARATE without film scanner
Separate type designed especially for digital print services.
Same as regular separate type, but without film scanner.

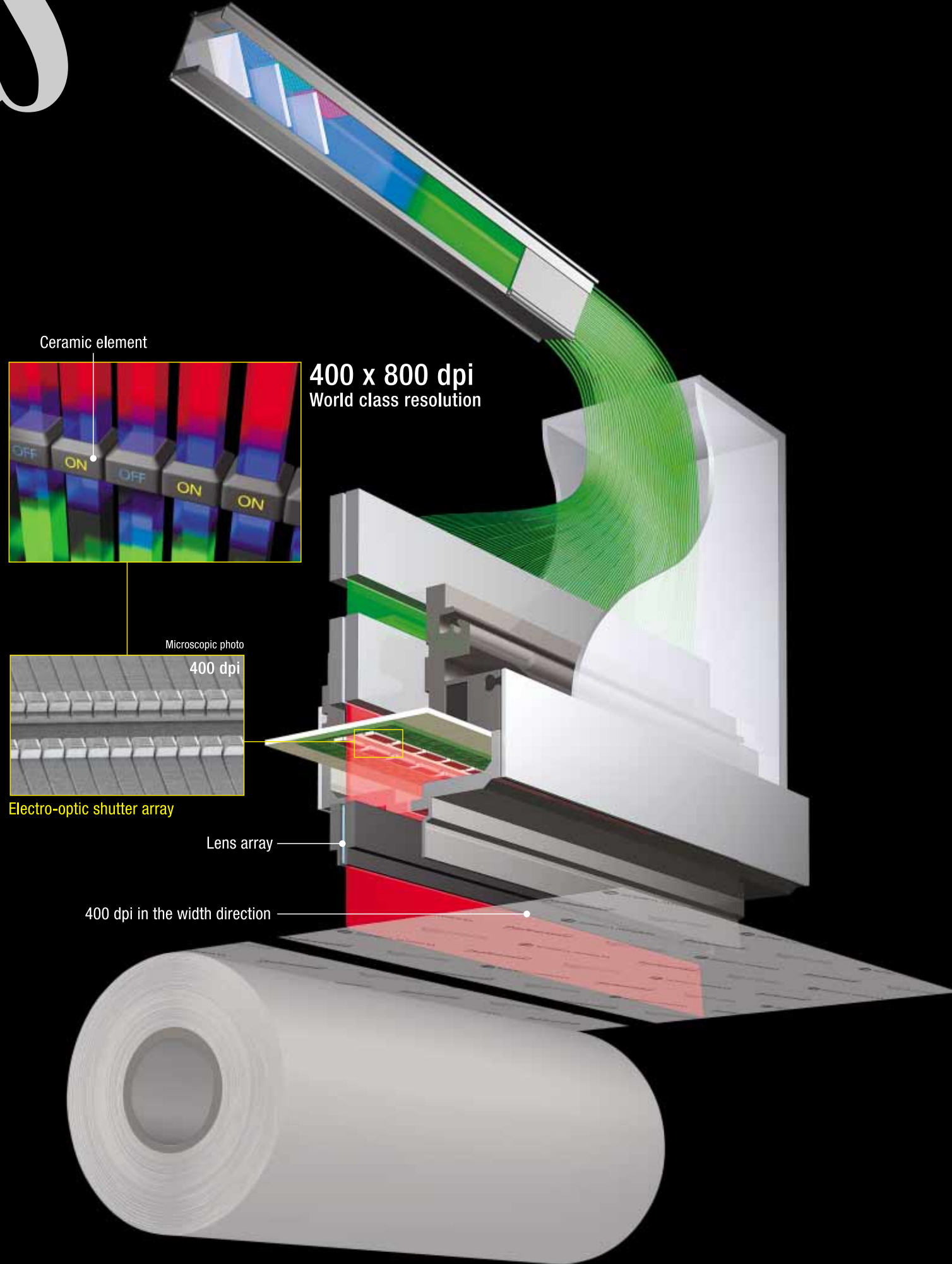


R3 SUPER 1000 SEPARATE

(Film scanner available as option.)

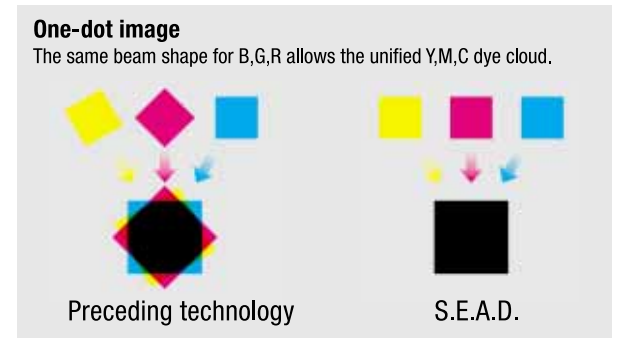
Super high image quality

400 x 800 dpi S.E.A.D. exposure engine

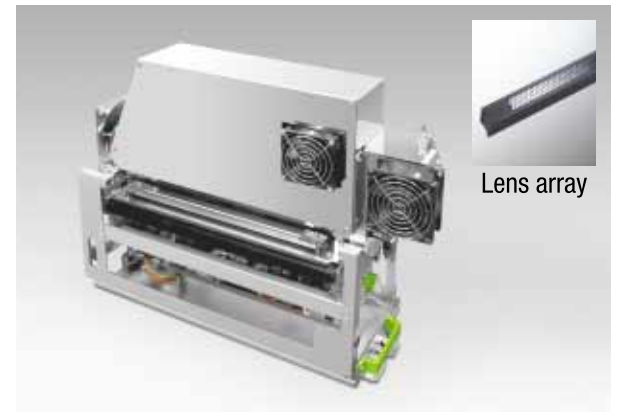


S.E.A.D. exposure engine delivers super high-quality 400 x 800 dpi images across the entire print width, all the way up to 12 x 18 inch prints

The S.E.A.D. (Solid state Electro-optic shutter Array Device) engine is a 12-inch width scanning exposure device developed by KONICA MINOLTA especially for ultra-high resolution minilabs. It features an array of solid-state fine ceramic microshutters with a special structure that allows light polarization to be controlled by turning electrical pulses on and off. Engineered with proprietary KONICA MINOLTA nanotechnology, these microshutters enable a resolution of 400 dpi in the width direction, while nanosecond level electronic control of shutter opening and closing enables 800 dpi in the transport direction. Light is provided by high-luminescence 3-color LEDs, for a stable, long-life light source with efficient light distribution. Every bit across the entire 12-inch print width is exposed with absolute precision, giving the S.E.A.D. engine a crucial advantage in accurate exposure near print edges when compared to the laser engines commonly used in digital printers. Because it has no moving parts, the S.E.A.D. engine is also extremely durable and reliable (200% better than previous technology), for extended trouble-free operation.



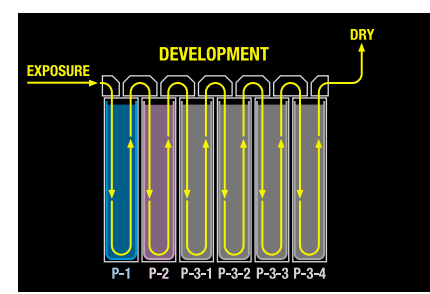
The combination of this engine with the special CENTURIA PRO FOR DIGITAL paper takes full advantage of the expressiveness of 16.77 million colors, with 256 gradations for each of R, G, and B. It provides 400 dpi detail, D-max at the world's highest level, and images that are both saturated and sharp, with no bleeding. From pure whites to rich blacks, it provides brilliant reproduction of subtle tones and delicate textures.



S.E.A.D. Engine

Improved processing unit reveals inherent whiteness of paper

The 12-inch processing unit was completely redesigned to ensure maximum performance by the processing tanks and racks that are so important to print quality. The new design delivers excellent reproduction of gradations and achieves the blacks and whites needed to meet stringent professional requirements. Narrower openings for processing solution tanks, reduced carryover, and an improved chemical replenishment program contribute to far higher stability during periods when processing volume is low, for superior robustness against varying processing conditions.



Optimal chemicals for digital prints

The R3 SUPER supports both newly developed ECOJET chemicals and liquid chemicals. ECOJET-P COMPACT TYPE 2 chemicals, the latest addition to KONICA MINOLTA's acclaimed ECOJET line of tablet chemicals, were developed to meet stringent professional quality requirements. They incorporate processing solution stabilization technology to ensure stable performance under a wide variety of print conditions.



Ecological and Economical process

ECOJET
ECOJET chemicals

Easy-to-mix liquid chemicals (22P-LR) also offer the highest level of print quality in the new processing unit design, with KONICA MINOLTA's acclaimed low replenishment system assuring friendliness to the environment.



S

uper high image quality

Digital paper for true high quality
from digital minilabs

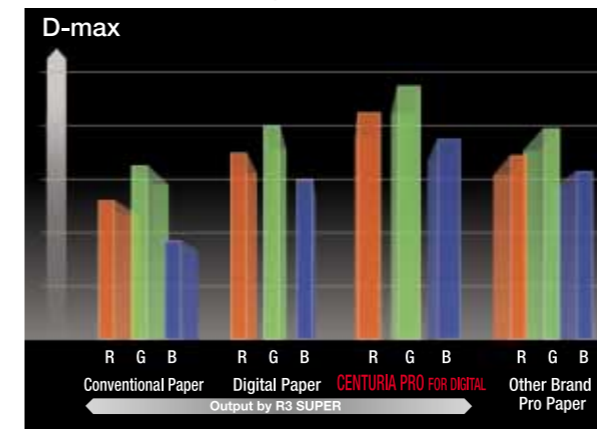


KONICA MINOLTA QA PAPER
CENTURIA PRO
FOR DIGITAL

The new CENTURIA PRO FOR DIGITAL paper, designed especially for the R3 SUPER minilab, provides the best match for the specially designed R3 chemicals, enabling image reproduction that redefines digital minilab quality.

D-max on the world's highest level, surpassing even professional laboratories

CENTURIA PRO FOR DIGITAL paper features further improvements to the New EXRED technology*1 of current digital minilab papers. Quick response to the short exposure times of the R3 SUPER minilab allows it to deliver generous density, and new couplers ensure that the high D-max level is maintained, for rich depiction of details in dark sections of the image and deep, rich blacks. Text characters are crisp and detailed, with no bleeding.



Pure and neutral whites

KONICA MINOLTA's original AFB technology*2 and OHC technology*3 contribute to whiter grounds, with further whiteness ground enhancements provided by new AWAC technology.*4 This unique approach delivers unsurpassed reproduction of neutral white grounds. The unique design of the R3 SUPER, with its extra paper washing tank, takes maximum advantage of the whiteness of the paper itself, to provide the pure, white highlights demanded of professional photos as well as stable colors across all density ranges. High contrast images, difficult to reproduce on conventional digital minilabs, are depicted with impressive depth and naturalness.



Exceptional color balance for professional quality digital prints

Featuring KONICA MINOLTA's new CCR couplers*5 for higher processing stability, the specially designed the R3 SUPER paper delivers exceptional color balance with outstanding color reproduction. From vivid primary colors through subtle intermediate tones and deep, rich blacks, it consistently delivers brilliant colors, ensuring beautiful digital prints for every type of image, from studio photos through digitally edited images.

- *1 New EXRED technology
New Excellent Response to Digital Exposure Technology
- *2 AFB technology
Advanced Fluorescent Brightening Technology
- *3 OHC technology
Optimum Hue Control Technology
- *4 AWAC technology
Advanced Whiteness Accelerated Compound Technology
- *5 CCR coupler
Chemical Control Robustness Coupler

Outstanding color reproduction on other currently available papers

The R3 SUPER is also designed to produce superior prints on other currently available papers, for the best match to the customer's application and quality requirements.

KONICA MINOLTA QA PAPER
CENTURIA
FOR DIGITAL



Super high image quality

Higher image quality through simple adjustments in image quality software



Speedy finishing and professional image quality for every type of scene



For wedding scenes
The R3 SUPER brings out every detail in the pattern of pure white wedding dresses, with rich reproduction of the blacks of formal wear. It delivers smooth color expression in the facial tones of the bride and groom.

For scenes with flawed color balance
You can adjust as required to compensate for adverse shooting conditions and film characteristic, for example by reproducing pure white from data with pinkish highlights.

Image Customizing Software

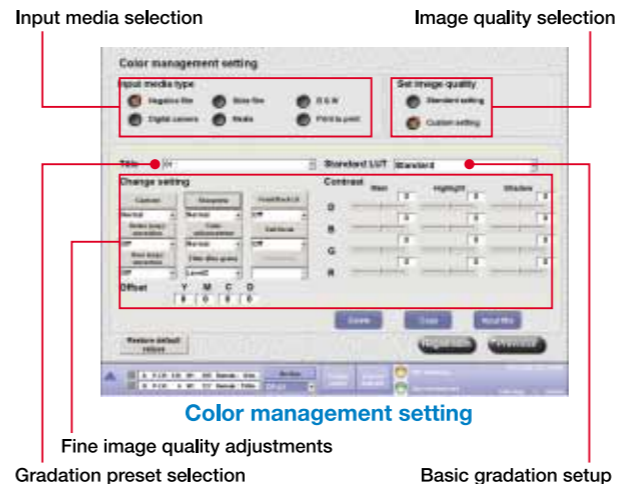
New Image Customizing Software for the R3 SUPER makes it easy to achieve professional results through fine adjustments to image quality. Image cropping and rotation are just as easy.

Customized gradations

You can adjust highlights and shadows separately, and overall contrast as well, both for color negatives and digital camera data.

You can name and register up to 50 channels of your image quality adjustments.

You can set up the basic input gradation with the basic input LUT for film or digital cameras used most in the professional market for beautiful color reproduction.



Input media selection Image quality selection
Color management setting
Fine image quality adjustments
Gradation preset selection Basic gradation setup

Easy image rotation and dimension adjustments

Image rotation adjustments

Before printing, you can easily straighten up a picture that was shot at a slant, or deliberately slant a picture to any angle.

*Fine image rotation:
Adjustable in increments of 0.1 degree.



Automatic print dimension adjustments

For ID photos and portraits, you can easily adjust the position of size of the subject in the picture. Simply adjust to match the on-screen scales. This allows you to meet strict requirements for face size and position in ID photos, and to adjust the subject size and background balance in studio portraits.



Automatic gradation setup

This function enables fine-grained setup to maintain print levels. It sets up the gamma balance to compensate for differences in various paper lots or the developing solutions state.

KONICA MINOLTA A.I.E. (Auto Imaging Enhance) technology

Of course the R3 SUPER offers scene analysis as a standard feature for film prints. It also comes standard with digital camera one-channel technology, which extends the scene analysis capability to cover digital camera image data as well. This enables beautiful prints despite the narrow shooting range of many digital cameras.



Original digital camera image data Auto correction for printing

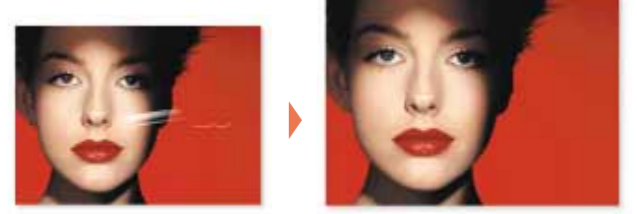
Image quality adjustment functions of the R SUPER Series

- Back light correction
- High-contrast correction
- Automatic under/over exposure correction
- Sharpness correction
- Soft-focus finish
- Monochrome and sepia tone finish
- Free trimming

Automatic image adjustment functions

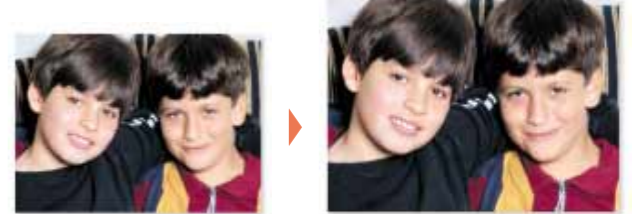
Digital ICE (dust and scratch removal)

Automatic detection and removal of dust and scratches on film. Assures print quality on the ultra high level established by the R3 SUPER.



Red-eye correction

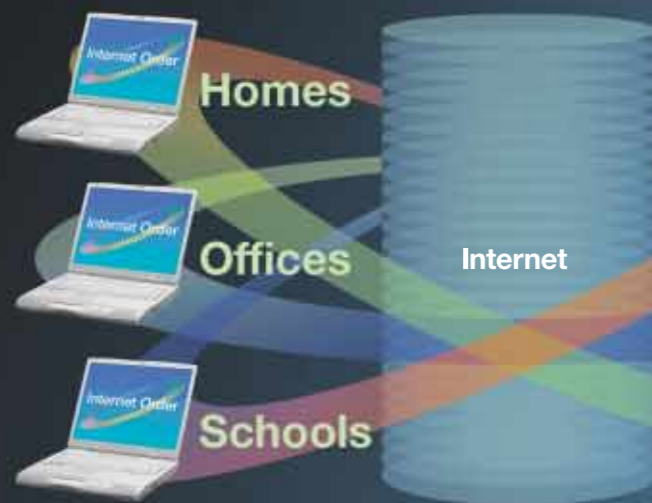
Simple automatic correction of the red-eye flaws common in flash portraits. Assures high-quality prints regardless of shooting conditions.



The full range of photo services

Online print service

Allows online print orders to be taken from customer homes, offices, and schools.



Satellite shop network system

Provides a networking solution that allows print orders to be collected from satellite shops for central processing.



High value image editing service

Uses the printer server function of the R-EZ software to allow up to 20 external PCs to provide high value-added image editing services.



Speedy processing of orders from each external PC. Controls prints by the R3 SUPER.

Professional studio portraits

Easily supports large-format prints for professional studios, with high quality.



Self order print service

Provides an ordering solution that allows customers to make their own digital camera print orders, even when the main the R3 SUPER is busy with other orders.



Self-service ordering terminal

Large format printing service

Color matching software for QP



Enables print services by large-format ink jet printers with the same color reproduction as the R3 SUPER.



Ink jet prints color matched with the R3 SUPER output



Wide variety of output services

Digital editing print services



Business documents



Photoshop



Illustrator



Powerpoint

Photo albums



Large-format portraits



User-friendly design for efficient operation

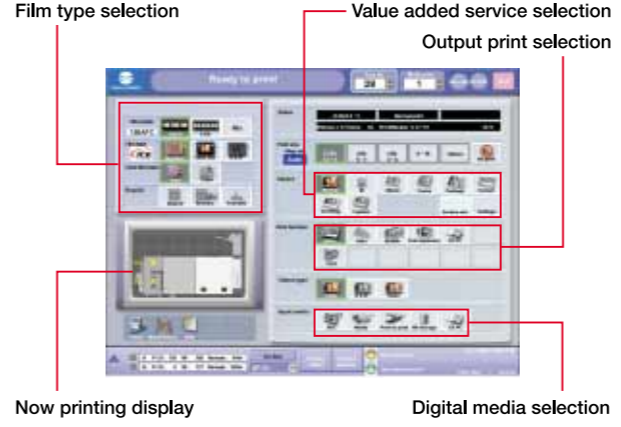
Operating environment for efficient print services operation



Easy to use, even by novice operators

The system features a 15-inch LCD monitor, making it easy on the eyes even over prolonged use. The main menu provides a button for every operation needed to make normal prints from negatives or digital cameras. Even novice operators can start making prints from their very first day. CD-burning and image transfer for editing services are just as simple, requiring nothing more than a single click.

Operation monitor



High-speed digital camera prints Images load and display faster

Advanced scanning and image processing technology in the image controller allows digital camera images to load and display faster, for stress-free operation. Moreover, ultra-high quality is assured by KONICA MINOLTA's A.I.E. (Auto Image Enhance) and digital camera one-channel technology.

Specially designed R SUPER Series keyboard

The specially designed keyboard is easy to use, even for novice operators. The new color correction keys make it simple to perform color density and gradation adjustments that formerly required training and experience.

One-click CD-R burning

No complicated settings required. Just click the CD-R button in the menu screen to burn CD-R discs while prints are being made from film. Copying images from digital cameras to CD-R is just as simple, needing just a single click. The optional Hyper CD-R Burning Kit is also available to enable high-speed CD-R burning.

Standard double magazine unit



Variation prints

The highly acclaimed operating software of the R SUPER Series makes it easy even for novice operators to provide a wide variety of print services through simple one-click operations while viewing the monitor.



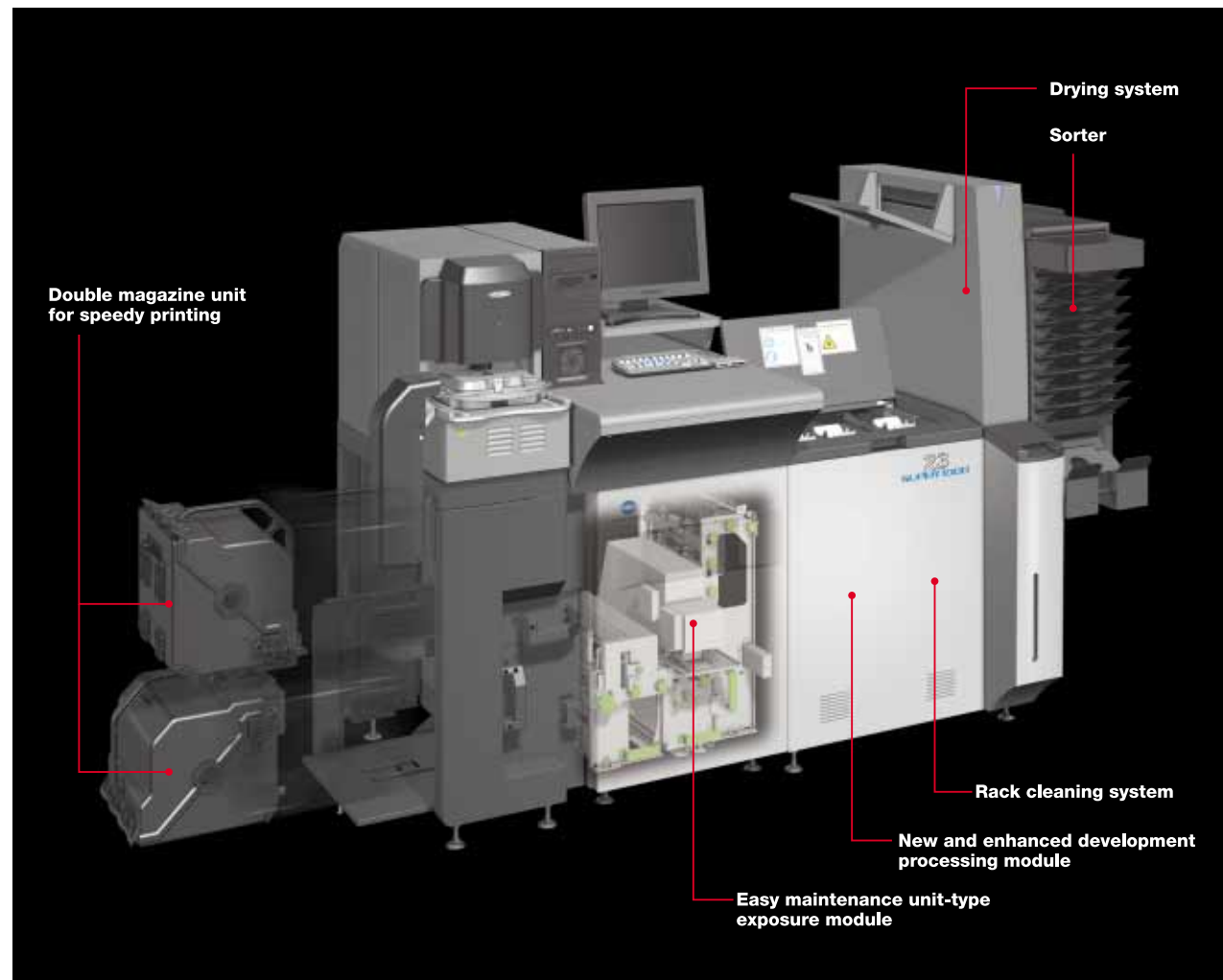
Printer Driver (option) expands your photo business

A special Windows XP/2000 printer driver allows the R SUPER Series to print image data from a wide variety of applications, exactly like a printer connected to your PC. Images from Photoshop, Illustrator, PowerPoint and other PC applications can now be printed in true minilab quality.

(Not supported on some PC models. See individual minilab catalogs for PC operating system and hardware requirements.)

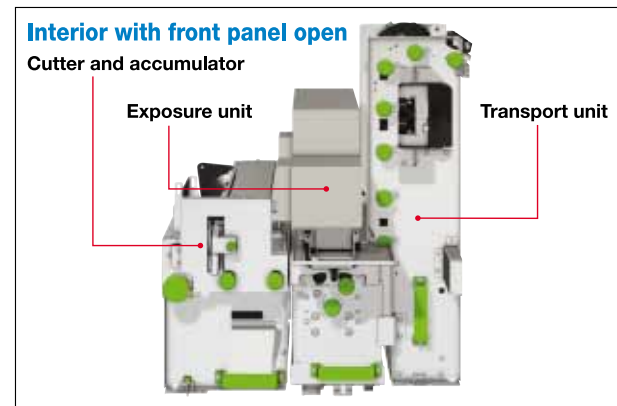


New design and services for easy maintenance and management



Unit design for easy printer maintenance

The printer is designed like a copy machine, comprised of three lightweight and easily removable units. The front panel opens wide for easy cleaning and maintenance.



Monitor guidance for quick setup

The monitor displays guidance for daily, weekly, and monthly maintenance, allowing even beginners to safely maintain the system. Calibration of the S.E.A.D. exposure engine is needed only once a week, greatly reducing setup time.

Automatic rack cleaning

The processing module features an automatic crossover rack cleaning system for greater operating efficiency. Paper is easy to remove should it ever get jammed.

Environmentally friendly design and money saving low power consumption

In keeping with KONICA MINOLTA's policy environmental friendliness, from system design through waste disposal, all system boards are lead-free. The system's PS mode, which temperature control during off-processing times, achieves a power consumption reduction.

Trustworthy technical support

Technical support is available for periodic maintenance to ensure that the R3 SUPER is always in the best operating condition, along with a help desk to answer any questions that may arise about operation. KONICA MINOLTA group also provides consulting services for digital solutions as part of an entire range of programs to help expand your business. For details, please contact your KONICA MINOLTA supplier.

Lineup of options and accessories to take full advantage of the R3 SUPER

Compact film developer, ideal for processing of small lots (option)

The compact, high-performance CL-KP46 Type 2 is available as a negative developer. Even in the digital age, film development remains the cornerstone of print quality. This unit, combined with KONICA MINOLTA chemicals, delivers the highest possible negative film quality. It features a PS mode which halts tank solution circulation and temperature control during low-volume processing times, for reduced power consumption. Development quality can be maintained with processing loads as low as 11 rolls/day (13 rolls/day for SQA type).

•Transport method: Short leader transport (special leader for APS) •Film formats: 110, IX240, 126, 135, 120, 220 •Processing capacity (rolls/hour) 135-24/46 rolls, IX240/46 rolls, 120/58 rolls •Processing speed: 539.7 mm/minute (line speed) •Processing time: 8 minutes 35 seconds (dry to dry) Dimensions: 1,357 (+120)W x 915H x 565D mm •Weight: Approx. 165 kg (main unit only), approx. 225 kg (including solutions)



High resolution film scanner (option)



Features high-performance 3-line color CCDs for scanning film images with maximum optical resolution of 5400 dpi (approximately 40.8 million pixels). Image quality is sufficient not only for the maximum print size of the R3 SUPER, but also for image transfer over networks for ink jet printing at up to A1 poster size. The 16-bit A/D converter delivers rich gradations (65636 gradations each for R, G, and B)

for clear and smooth visual expression and accurate depiction of subtle details in dark sections of the image. The light source employs 3-color LEDs for high luminance and long life. Advanced optical path design technology and nanosecond film transport control assure high-precision scanning.

Spare magazine



12 inch

Spare magazine designed especially for the R3 SUPER. Features easy paper loading and mounting on magazine stand. The magazine can be used for 82 mm to 305 mm width paper.

Automatic film carrier for higher work efficiency

Automatic film carrier for APS film (APS-AFC II)



Automatic film carrier capable of reading information on APS film.

Lineup of options applicable to various types of films

Universal carrier (UFC II)

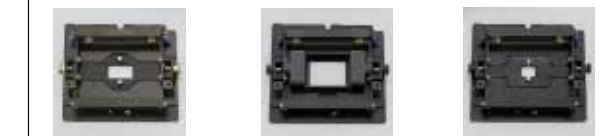


Universal carrier for printing from 135-cut negative, slide mount (135/APS), 120, and 110 films. Masks for each film size except 135 are required separately.

120 mask II for universal film carrier



Mask for printing manually from 120/220 film, using a universal carrier. Sizes for 6 x 4.5, 6 x 6, 6 x 7, 6 x 8, and 6 x 9 sizes are available.



APS mask II Slide mount mask II 110 mask II

48X, 700MB Special CD-R discs for photo burning



CD-R discs developed especially for recording photo data. Fewer write errors and higher image quality put these discs in a different dimension compared to discount mass-market discs. They support high-speed 48X writing, to extract the maximum performance from the R3 SUPER.

The discs are supplied in double-sided soft cases that can hold index prints. The cases have six album holes for filing in photo albums. One set of CD-R discs contains 50 discs, 50 soft cases and instruction sheets.

Optional software

- Hyper CD-R Ver. 2.0
- Printer Driver Ver. 3.0
- R-EZ Ver. 2.0
- Caption Edit software
- Image Customizing software
- Color matching software for QP



Principal specifications of compact system and separated system

■ R3 SUPER main specifications

Product name		R3 SUPER 1000 COMPACT	R3 SUPER 1000 SEPARATE
System configuration		Integrated	Input (work station) and output (printer processor) separated units
Imaging system		Independent B/G/R line photometry using 3-line CCD; LED light source	
Compatible input film		Color negative film: 135, APS, 110, 120 (6 x 4.5 ~ 6 x 9), Color reversal film: 135, APS, 120 (6 x 4.5 ~ 6 x 9); Slide mount (135, APS), B&W, Sepia film: 135	
Compatible input media		FD, SM, MS, CF, SD, XD(required adapter), MMC, Micro Drive, CD-R, DVD; prints	
Film-to-print speed	3R (127 x 89 mm)	Approx. 1000 prints/hour	
	4R (152 x 102 mm)	Approx. 900 prints/hour	
	8R (254 x 203 mm)	Approx. 210 prints/hour	
	12R (305 x 465 mm)	Approx. 100 prints/hour	
Digital-to-print speed (3 megapixels)	3R (127 x 89 mm)	Approx. 1000 prints/hour	
	4R (152 x 102 mm)	Approx. 900 prints/hour	
	8R (254 x 203 mm)	Approx. 360 prints/hour	
	12R (305 x 465 mm)	Approx. 100 prints/hour	
Exposure system		S.E.A.D. (Solid state Electro-optic shutter Array Device)	
Exposure resolution		400 x 800 dpi	
Paper width		82, 89, 102, 114, 117, 120, 127, 152, 165, 178, 203, 210, 216, 254, 279, 297, 305 mm	
Maximum exposure length		465 mm	
Paper transportation system		Cut sheet / roller transport system	
Processing chemical		ECOJET-P COMPACT TYPE2 / CPK2-22LR	
Processing time (dry-to-dry)		3 min, 13 sec	
Dimensions	Input section	2,327(W) x 1,623(H) x 1,047(D) mm	850(W) x 1,303(H) x 900(D) mm
	Output section		2,327(W) x 1,623(H) x 1,028(D) mm
Footprint	Input section	1.5 m ²	0.7 m ²
	Output section		1.5 m ²
Weight	Input section	Approx. 600 kg.	Approx. 100kg (including desk)
	Output section		Approx. 550 kg.
Monitor		15" LCD	
Magazine		Double magazine	



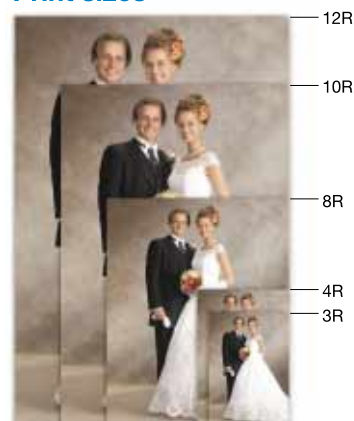
Next-generation digital on-site business solutions from KONICA MINOLTA

For that irreplaceable photo to save and treasure

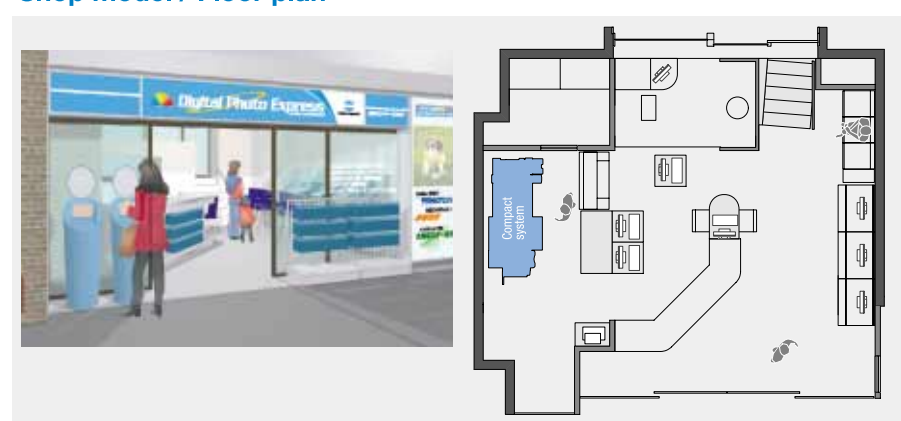
Digital solutions with superior connectability and expandability

Turning business chances into success

Print sizes



Shop model / Floor plan



Dimensions diagrams

