

integrated system controller specifications

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| CPU | SH-3 (133 MHz) |
| PDL | RISORINC 3N (advance/simple) |
| OS | Windows XP, Vista (32-bit/64-bit), 7 (32-bit/64-bit) Macintosh OSX 10.4, 10.5, 10.6 via optional driver |
| input port | USB 2.0, Ethernet (100BASE-TX/10 -BASE-T) |
| memory | 128 MB |
| network protocol | TCP/IP, EtherTalk, NetBEUI |
| network printing | sdfNetwork Card is built in |

optional IS300 PostScript RIP specifications

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|-----------------|---|
| CPU | Intel® Celeron® D 2.93 GHz |
| PDL | Adobe® PostScript® 3™, PDF (1.7), TIFF (6.0) |
| OS | Windows® XP (32-bit) SP 2 / SP3 / Windows® Vista (32- and 64-bit) / Windows 7 32- and 64-bit Mac OS® X 10.4/ Mac OS® 10.5 / Mac OS® 10.6 |
| memory | 256 MB |
| hard disk | 80 GB |
| number of fonts | 139 fonts |

RZ1090 specifications

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|---------------------------------|---|
| processing | High-speed digital master making, fully automatic stencil printing system |
| resolution | Scanning: 600 x 600 dpi Imaging: 600 x 600 dpi |
| master-making time | Approx. 16 seconds (for A4/landscape/100% reproduction ratio) |
| printing speed | 60 - 180 sheets per minute (control panel: five steps variable; touch panel: 180 ppm) |
| original size and weight | From stage glass: 22 lb or less: 1 15/16" x 3 9/16" to 12 3/16" x 17" (50 x 90 mm to 310 x 432 mm) In the optional Automatic Document Feeder AF-VI: 13 lb bond to 34 lb bond (50 to 128 GSM); 3 15/16" x 5 13/16" to 12 3/16" x 17" (100 x 148 mm to 310 x 432 mm) When using Auto Document Feeder DX-1 (option): Simplex: 11 lb bond to 34 lb bond (40 to 128 GSM); Duplex: 14 lb bond to 28 lb bond (52 to 105 GSM); 4 1/8" x 5 1/16" to 11 11/16" x 17" (105 x 128 mm to 297 x 432 mm) |
| paper size and weight | 3 15/16" x 5 13/16" to 12 5/8" x 17" (100 x 148 mm to 320 x 432 mm). Up to 21 7/8" (555 mm) of vertical paper dimension may be used. 12 lb bond to 110 lb index (46 to 210 GSM) |
| image processing modes | Line, Photo, Duo, Pencil |
| image area (max.) | 10 25/32" x 16 23/32" (291 x 425 mm) |
| paper capacity | 1,000 sheets in feed tray and receive tray (17 lb bond [64 GSM]) |
| preset reduction/enlarge | 50%, 61%, 65%, 78%, 121%, 129%, 154%, 200% |
| zoom/free reduction/enlargement | Zoom: 50%-200% in 1% increments Free (individual adjustment of length or width): 50%-200%. Margin+: 90-99% |

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|---------------------------|--|
| print position adjustment | Vertical: ±19/32" (±15 mm); Hor.: ±3/8" (±10 mm) |
| registration | Print start position: within 1/16" (2 mm) |
| standard features | User Management, RISO Copy Count Viewer, ID Counter Report, ID Print, Layout, USB Plug-and-Print, USB Flash Print Utility, Book Shadow Erase, RISO Editor, Auto Process, Dot Screening (4 Dot Photo Modes), Scanning Contrast (Auto + 5 selectable steps), Top and Side Margin Adjust, Page Split, Bound Document Processing, Photo Contrast Adjust, Tone Curve Adjust, Ink Saving Mode, Multi-up Printing (2/4/8/16/ticket), Renew Page, Preview, Print Density Adjustment (5 steps), Double Feed Check, Interval Print, Program Printing, Job Memory, Reserve, Automatic and Manual Idling, Confidential Mode, Combination Print, Custom Paper Entry, Admin. Setting, Direct Access and Selection Entry, Document Storage*, Overlay*, Stamp*, Output Reversal*, RISO i Quality System™, Integrated GDI System Controller, LCD Touch Panel, Print Speed/Density Control, Energy Saving Modes (Auto Sleep, Auto Power Off, Power Off Schedule), Paper Size Detection, Preventive Maintenance Indicator, Precision Stacking Tray, Auto Paper Jumping Wing Adjustment, Network Interface Card, High Density Ink, High Density Masters, and Stand |

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|-----------------------------------|---|
| options | Automatic Document Feeder (Simplex), Automatic Document Feeder (Duplex), Color Print Drum (Cylinder), Auto-control Stacking Tray II, Wide Stacking Tray, Key Card Counter, Job Separator, Document Storage Card DM-128CF, RISO Controller IS300 Adobe® PostScript® 3™ RIP, Card Feed Kit, Job Separator, High Density Quick Dry Ink, and Letter-Size Cylinder |
| electrical | 100V-240V AC, 50/60 Hz <5.0 A> |
| power consumption without options | max: 400 W standby: 43 W sleep: 2 W |
| weight of duplicator | Approximately 256 lbs. (116 kg)** |
| weight of stand | Approximately 81.4 lbs (37 kg) |
| dimensions (w x d x h) | In use, without stand: 55.72" x 27.75" x 26.19" (1415 x 705 x 665 mm) |

* Optional Document Storage Card DM-128CF is required for Document Storage, Overlay, and Stamp functions and output reversal

** Weight does not include Ink and Master

RZ1090



Rooted in the offset printing process, the world's fastest digital duplicator delivers digital business benefits



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RISO
Ink and Ingenuity



RZ1090

Rooted in the offset printing process, the world's fastest digital duplicator delivers digital business benefits

Increase the speed and effectiveness of your printing operations with the RISO RZ1090, the world's fastest digital duplicator. The RZ1090 prints at speeds up to 180 ppm with true 600 dpi image quality for exceptional printing productivity and remarkable performance.

The RZ1090 imaging technology is based on proven offset printing processes using liquid ink and digitally imaged master plates to produce runs up to 4,000 prints. The simple "green-button" operation is as familiar as using a common copier; simply press one button to create, load, and unload natural fiber master plates and automatically begin printing. Automated production processes streamline workflow, maximizing machine availability to produce more jobs faster than ever before. Commercial printers, quick printers, copy shops, corporate in-plants, school districts, university print shops, large churches, and more will all benefit from the expanded capabilities of the RZ1090.

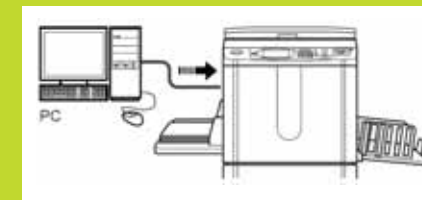
In addition to its high-speed printing capabilities and exceptional print quality, the RZ1090 is extremely versatile, handling a wide variety of paper sizes and weights—even card stock and envelopes. With over 70 ink colors to choose from, the RZ1090 will appeal to print shop owners and graphic designers alike, making this digital duplicator the perfect choice for demanding deadlines and low-cost, short-run needs.

Build on offset capabilities and move into digital printing with the RZ1090



The RZ1090 provides an easy first step from analog offset to digital printing. The simple copier-like user interface and operation make the RZ1090 intuitive and fast to learn so you'll be producing high-quality output within minutes.

- Like offset, the RZ1090 uses liquid ink while electrophotographic copiers use dry toner.
- The RZ1090 uses master plates in the printing process. RISO masters are manufactured from an organic material—a major environmental benefit.
- Master plates are automatically exposed like CTP, plus automatically loaded and unloaded like on advanced DI offset presses.



The file is sent directly from computer, or a hard-copy original is digitized



The old master is removed, and a new master is automatically exposed and loaded



Straight paper path accommodates a wide variety of paper stocks



Produce more jobs faster

At speeds up to 180 pages-per-minute, the RZ1090 is the industry champion for speed and production output. The short paper path supports a wide range of paper stocks to deliver legendary RISO reliability.



Automate production

Plug-and-Print capability automatically and immediately prints one or multiple saved jobs from a USB flash drive without the need for additional user intervention. Job ticket settings are pre-programmed off-line and print production is launched automatically, eliminating potential operator errors and maximizing productivity.



Enhanced image quality

The RZ1090's true 600 dpi output ensures that the finest details in type, photos, and line art are accurately reproduced. Improved cylinder motion controls and advanced printer driver algorithms deliver smoother ink transfer and overall increased image quality.



Minimize short-run printing costs

A new ink saving mode reduces ink usage by up to 20% for cost-conscious customers. RISO thermal master plates are digitally imaged, automatically loaded/unloaded, and extremely low cost, delivering low-cost, high-quality print runs up to 4,000 prints.



Increased job flexibility and system dependability

Automatically reverse the page printing sequence to enable faster off-line collation and finishing. Rotate pages 180° at the click of a button to reverse the lead-edge for jobs with high-density coverage, increasing paper feed reliability and reducing page-to-page set-off.



Go green

The RZ1090 is an ENERGY STAR qualified printer with extremely low power consumption. With over seventy soy-based ink colors, natural fiber masters, and a mercury-free LCD panel display, the RZ1090 provides an effective way to reduce your operation's carbon footprint.



Monitor supply levels and more

The RISO i Quality System™ offers a large number of quality and convenience benefits, including automatic assurance of optimal print quality from start to finish, prevention of operator errors, remaining levels of ink/masters, warnings of shortages in supplies, and indicators to aid in minimizing paper waste. Simply select the "info" button on the Basic Screen for a graphic of remaining consumables.

