integrated system controller specifications:

CPU	SH-3 (133 MHz)
PDL	RISORINC 3N (advance/simple)
OS	Windows 98SE, Windows 2000, Windows XP, Windows Vista, and Mac OS 8.6-10.4
input port	USB 2.0, Ethernet (100BASE-TX/1-BASE-T)
memory	64 MB
network protocol	TCP/IP, NetBEUI, Apple Talk***, Bonjour***

***Optional Network Card and RISORINC-NET are required for network and Macintosh connection

MZ790 specifications

processing	High-speed fully automatic digital scanning, thermal screening printing system
resolution	Scanning: 600 x 600 dpi Imaging: 600e dpi
first copy time	Dual color print: Approximately 57 seconds Single color print with Cylinder 1: Approximately 24 seconds Single color print with Cylinder 2: Approximately 34 seconds
printing speed	60-150 ppm. 5 steps (60, 80, 100, 110, 120 ppm) variable from control panel; 150 ppm selectable from touch panel.
original size and weight	From stage glass: 22 lb or less. 1.9375" x 3.5625" to 11.6875" x 16.53" (50 x 90 mm to 297 x 420 mm) In the optional Automatic Document Feeder: 50 sheets, 15 lb bond to 34 lb bond (50 to 128 GSM), 3.5625" x 5.5" to 11.6875" x 16.53" (90 x 140 mm to 297 x 420 mm)
paper size and weight	Dual color print or single color print with Cylinder 2: 7.165" x 10.12" to 11.6875" x 17" (182 x 257 mm to 297 x 432 mm) Single color print with Cylinder 1: 3.9375" x 5.8125" to 11.6875" x 17" (100 x 148 mm to 297 x 432 mm) 13 lb bond to 110 lb index (46 to 210 GSM)
image processing modes	Line, Photo (Standard, Portrait, Group), Duo, Pencil
image area (max.)	11.4375" x 16.25 (291 x 413 mm)
paper capacity	1000 sheets in feed tray and receive tray 20 lb bond (75 GSM)
preset reduction/enlargement	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%
print position adjustment	Vertical: ±0.59" (15 mm); Horizontal: ±0.375" (10 mm)
standard features	Easy 2 Color, RISO Editor, Auto Process, Dot Screening (4 Dot Photo Modes), Scanning Contrast (Auto + 5 selectable steps), Top and Side Margin Adjust, 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*, Link Print**, 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, and Stand
options	Color Print Cylinders, Network Interface Card, Automatic Document Feeder, Job Separator, Key Card Counter, Special Paper Feed Kit, and PS7R-5000 Adobe® PostScript® 3™ RIP
electrical	110V-120V AC, 50/60 Hz <7.3 A>
energy consumption	100V Max: 600W; during stand-by: 60W; during sleep mode: 3.5W 200V Max: 545W; during stand-by: 55W; during sleep mode: 4.0W
weight	Approximately 370 lbs. (168 kg)
dimensions (w x d x h)	In use, without stand: 63.19" x 28.54" x 28.74" (1605 x 725 x 730 mm)

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

** Optional Network Card RISORINC-NET and a networked laser printer is required for Link Print function

Item #MC8391

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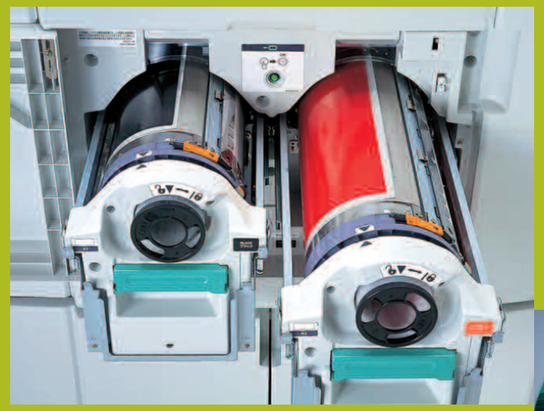
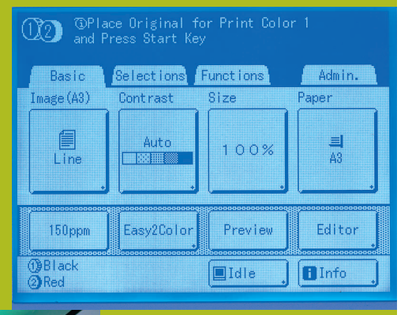
MZ790

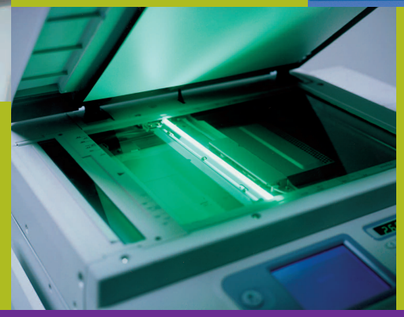
two-color digital duplicator

Easy two-color printing

Ink and Ingenuity







MZ790

Logical control panel layout

The control panel is divided into two areas to give you the ultimate in easy, intuitive operation. The right hand side of the panel features dedicated buttons giving one-touch control of all basic operations. The left hand side is equipped with a touch panel for easy access to the wide range of advanced functions.

This large, bright screen was developed to provide clear, at-a-glance viewing of functions, and even a preview of how your document will look after printing. Menus are logically grouped: simply step through the various function menus displayed on the touch panel until you reach the one you want. You can also place your most frequently used functions on the top screen to customize the panel layout.

Ultra high-speed output

A maximum print speed of 150 ppm gets you to the end of even the longest print job at an astonishingly short time, taking less than seven minutes to print 1,000 pages. You won't have to wait long to start printing; master-making takes just 24 seconds to make a single-color master or 57 seconds to make the masters for 2-color printing.

RISO i Quality System™

The RISO i Quality System offers a large number of quality and convenience benefits, including automatic assurance of optimum print quality, prevention of operator error, warning of shortages in remaining ink/master volume, and 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.

two-color digital duplicator

Now you have a choice: printing in a single color or adding the drama of a second color—all in a single pass. Offering 2-color printing in a single pass, the MZ790 features the ease of use and quality output that make RISO printers the world's favorite. Advanced technology makes color separation, master-making, and printing little more than a pushbutton operation, and the vast array of RISO inks offers you a huge selection of colors to choose from to add extra impact to all your documents.

When you want to produce documents with the power and impact that two colors bring, the MZ790 is the easy, efficient answer offering two-color printing in a single pass. For speed and ease, you can run the MZ790 as a single-color printer to output simple documents that don't need the extra impact of a second color.

RISO printers are known worldwide for their high speed and high quality, and the MZ790 is no exception. The MZ790 boasts the world's fastest print speed for a two-color, one-pass digital duplicator—a blazing 150 ppm. The MZ790 will enhance your productivity by completing your longest print jobs in an astonishingly short time, taking less than seven minutes to print 1,000 pages.

600 dpi scanning

The scanner boasts 600 dpi resolution to ensure that even the finest details are clearly picked up and transmitted to the master-making section.

600e dpi printing

600e dpi printing is your assurance of beautiful output quality with smoother lines, finer gradations for photos, and even tiny typefaces clearly legible.

RISO Editor

With the RISO Editor, you can quickly and directly specify which areas should be in which of the two colors, and even move, erase, or reverse blocks of text, photos, or illustrations to enhance the your document.

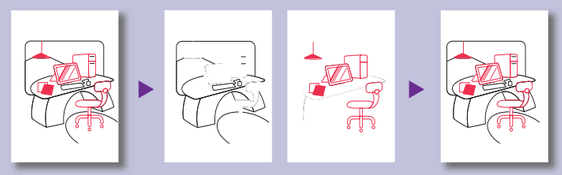
Advanced Functionality*

Scan and store frequently used items such as letterhead and forms. If you wish to print a document on letterhead, simply recall the data and it is automatically overlaid on the master.

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

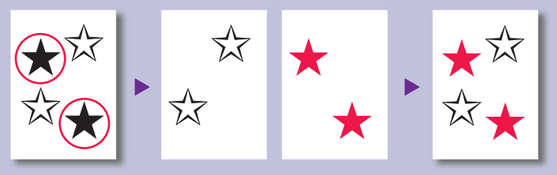
easy 2-color

The MZ790 features "easy 2-color"—a process that not only makes it easy to create 2-color masters, you even get a choice of how to do it so you can select the method that's easiest for you or most suitable for any particular print job.



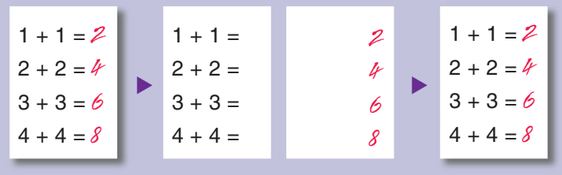
Red and black original

If you have a red and black original, making a master couldn't be easier. Just set the original and scan, and the MZ790 does the color separation for you, automatically.



Area separation

With a single-color original, you can circle the areas you want printed in the second color. When you scan the original, the colors are automatically separated.



Handwritten separation

With a single-color original, you can handwrite the data you want printed in the second color. Again, carry out the scanning process and the colors are separated automatically.

Separation sheet

If you don't wish to mark your original as required for area separation, simply circle the second color area on a separate sheet of paper and scan twice for color separation.