



KONICA MINOLTA

# magicolor 7450



Large-Format,  
Photorealistic  
Quality Color Laser



# Large-Format, Photorealistic Quality Color Laser



## QUICK SPECS

- 24.5 ppm in color and b&w
- First page out in 8.2 seconds (b&w), 11.4 seconds (color)
- High-performance 733 MHz G4 processor
- 9600 x 600 dpi-class (600 x 600 x 4-bit) contone resolution
- 256 MB DDR SDRAM std./1024 MB max.
- Gigabit Ethernet®, Hi-Speed USB 2.0, and parallel interfaces
- Camera direct photo printing via PictBridge-enabled USB 1.1 port
- Page size support up to 12.25" x 47.24"
- PostScript® 3, PCL® 6, PDF, and JPEG/TIFF Direct Print emulations
- Windows®, Macintosh®, and Linux® compatible
- 120,000 page-per-month duty cycle
- 1-year on-site warranty

*When image is everything and performance counts, rely on the extraordinary image quality and robust processing power of the large-format magicolor 7450. It's perfect for all your design and business printing needs.*

### Robust Performance

*Extraordinary power for the most demanding print tasks.*

- Featuring a 733 MHz G4 processor and custom acceleration hardware for fast job processing, the magicolor 7450 delivers its first b&w page in just 8.2 seconds, its first color page in 11.4 seconds, and subsequent prints at 24.5 ppm.
- Emperon controller technology provides fast document processing and cross-platform compatibility with Windows, Macintosh, and Linux operating systems.
- The magicolor 7450 supports PostScript 3, PCL 6, PDF, and JPEG/TIFF Direct Print emulations for seamless processing of all your color documents.
- Equipped with a Gigabit Ethernet interface, the magicolor 7450 supplies high-speed printing for an entire network of creative professionals.
- The printer's 120,000 page-per-month duty cycle is perfect for demanding high-volume printing.

### Exceptional Print Quality

*Precise color matching and finely detailed graphics and images.*

- The magicolor 7450's 9600 x 600 dpi-class resolution generates true-to-life photographic detail, smooth color gradients, and highly saturated deep blacks using contone printing technology.
- For dependable, accurate color the magicolor 7450 supports ICC color matching. It also includes SWOP, Commercial Press, Eurocolor, TOYO, DIC, and SNAP press emulations and PANTONE® Color tables for complete color control.
- The magicolor 7450 uses KONICA MINOLTA Simitri® Polymerized Toner, which improves fusing even on coarse media, and gives you durable prints with beautiful images and crisp text that don't smear or fade.
- The KONICA MINOLTA smart calibration system—enhanced Automatic Image Density Control (eAIDC)—assures consistent color on every print, every day, throughout the life of the printer.



### Diverse Media Handling

*Express yourself on virtually any type or size of media.*

- The magicolor 7450 handles a broad selection of media types and weights (up to 141 lb. Index), giving you enormous flexibility for brochure printing, promotional publishing, and commercial-quality documents.
- Supporting a wide range of media sizes, the magicolor 7450 can print on custom media as small as 3.55" x 5.50", to 12.25" x 18" for full-bleed tabloid designs, and up to banner size of 12.25" x 47.24".
- This workhorse printer can easily handle large print jobs for in-house production, with a maximum paper capacity of 1,850 sheets.
- Built-in PictBridge support lets you direct-print your digital photographs in brilliant, high-resolution color on 4" x 6" or larger media.





# basics

# options

## FRONT KEYPAD

- Intuitive graphical display with dynamic "help" functions
- At-a-glance toner gauges

## PRINT SPEED

- Color: Up to 24.5 ppm
- B&W: Up to 24.5 ppm

## INTERFACES

- Gigabit Ethernet (10/100/1000BaseTX), Hi-Speed USB 2.0, Parallel, USB 1.1 (for Camera Direct Photo Printing)

## MEMORY

- 256 MB RAM

## COMPATIBILITY

- Windows Server 2003/XP/2000/NT 4.0/Me/98SE
- Macintosh OS X (v 10.2+), OS 9 (v 9.1+)
- Linux Red Hat 9, SuSE 8.2
- PostScript 3 and PCL 6 emulations

## RESOLUTION

- 9600 x 600 dpi-class

## COLOR SUPPORT

- Enhanced Automatic Image Density Control (eAIDC)
- ICC-based color matching
- Commonly used press emulations
- PANTONE® Color tables

## PAPER SIZE AND INPUT

- Up to 12.25" x 18" or banner size (12.25" x 47.24")
- Adjustable 250-sheet multipurpose cassette
- 100-sheet manual feed tray



## HARD DISK

- For downloaded fonts, forms, and profiles; electronic collation; Job Accounting; direct PDF, JPEG, & TIFF printing; Proof then Print; Secured Job, Print & Hold, and Stored Job functions

## MEMORY

- Upgrade to 1024 MB

## DOCUMENT HANDLING

- Automatic duplexer for two-sided printing
- Banner tray for greater input flexibility when printing banner size

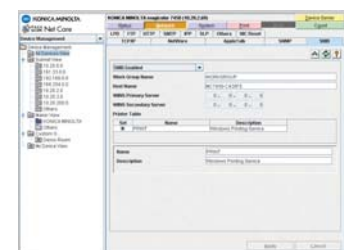
## PAPER HANDLING

- 500-sheet cassette (add up to three)
- 1,850-sheet maximum input capacity
- Caster base for printer mobility

## Convenient Printer Management

Helpful management utilities for individuals and IT professionals.

- Get real-time supply status and manage the printer from virtually anywhere using PageScope™ Web Connection and your standard browser.
- Network administrators can count on PageScope web-based tools for remote installation, management, and configuration of both KONICA MINOLTA and non-KONICA MINOLTA printers.
- Enterprise Management System (EMS) Plug-ins are available for seamless printing from HP OpenView, HP JetAdmin, IBM® Tivoli NetView, CA Unicenter®, and Microsoft® Management Console.



PageScope Net Care







# magicolor 7450 – Technical

## Printing Process

**Print Method:** Single-pass, large-format color laser

**Print Speed\*:**

Color: Up to 24.5 ppm

Monochrome: Up to 24.5 ppm

**Warm-up time:** 99 seconds or less

**First Page Output Time\*:**

Color: 11.4 seconds from an idle, ready state

Monochrome: 8.2 seconds from an idle, ready state

**Resolution:** 9600 x 600 dpi-class with Photo ART (600 x 600 x 4-bit contone)

**Recommended Duty Cycle:** Up to 120,000 prints/month

## Hardware and Software Capabilities

**Processor Type:** Power PC7447A, 733 MHz G4

**Memory:** 256 MB DDR SDRAM on board, upgradeable to 1024 MB (one slot) using 184-pin 266 MHz or more DIMMS

**Internal Hard Disk:** (optional) for downloaded fonts, forms, and profiles; electronic collation; Job Accounting; direct PDF, JPEG, and TIFF printing; Proof then Print, Secured Job, Print & Hold, and Stored Job functions (40 GB)

**Operating System Compatibility:** Windows Server 2003/XP/2000/NT 4.0/Me/98SE;

Macintosh OS X (v10.2+)/OS 9 (v9.1+); Linux Red Hat 9/SuSE 8.2

**Printer Emulations:** PostScript 3, PCL 6, PDF (hard disk required), JPEG/TIFF Direct Print (hard disk required)

**Printer Management:** PageScope Net Care, PageScope Web Connection, PageScope Direct Print, PageScope Network Setup, PageScope Peer-to-Peer Printing, PageScope EMS Plug-in, Web JetAdmin Plug-in, PageScope Plug and Print, Status Monitor

**Color Support:** Enhanced Automatic Image Density Control (eAIDC); ICC device profiles; Automatic ICC-based color matching; SWOP, Commercial Press, Eurocolor, TOYO, DIC, and SNAP press emulations; PANTONE® Color tables

## Interface Support

**Standard:** Gigabit Ethernet (10/100/1000BaseTX); USB 2.0 (supports Microsoft 'Plug and Play'); IEEE 1284 parallel (supports Microsoft 'Plug and Play'); USB 1.1 Host Port (for Camera Direct Photo Print)

**Ethernet Protocols:** TCP/IP, EtherTalk, IPX/SPX (NetWare 4/5/6), NDS Bindery, NDPS, NetBEUI, UPnP, SMB, UPD, HTTP, HTTPS, IPP 1.1, SNMP, LPD, FTP, Telnet, DHCP, BootP, ARP, Auto IP, Ping/ARP, SMTP, SLP, TCP/IP socket

## Paper Handling

**Standard Paper Input:** 250-sheet multipurpose cassette; 100-sheet manual feed tray

**Optional Paper Input:** 500-sheet cassette (up to three); banner tray

**Standard Paper Output:** 350-sheet face-down output tray

**Duplex Printing\*\*:** Manual (automatic optional)

**Paper Sizes Supported:**

Multipurpose Cassette: Letter, Legal, Ledger, 12" x 18", 4" x 6", Executive, Statement, Folio, SP Folio, Foolscap, UK Quarto, Letter Plus, Govt. Letter, Govt. Legal, A3, A4, A5, A6, B4, B5, B5 (ISO), B6, D8K, 16K, Kai 8, Kai 16, Kai 32, Japanese Postcard, Double Postcard; Monarch, Com 10, DL, C6, C5, Chou #3, Chou #4, You #0, You #2, You #4, You #6, 16K Envelopes; Custom sizes (W) 3.54" - 12.25" (90 - 311 mm), (L) 5.5" - 18" (139 - 457 mm)

Manual Feed Tray: Same as Multipurpose Cassette plus banner sizes (W) 3.55" - 12.25" (90 - 311 mm), (L) 5.50" - 47.24" (140 - 1200 mm)

500-Sheet Cassette (optional): Letter, Legal, Ledger, Statement, Govt. Letter, Govt. Legal, A3, A4, A5, B4, B5, D8K, Kai 16

Duplexer (optional): Letter, Legal, Ledger, 12" x 18", Executive, Statement, Folio, SP Folio, Foolscap, UK Quarto, Letter Plus, Govt. Letter, Govt. Legal, A3, A4, A5, B4, B5, D8K, 16K, Kai 8, Kai 16; Custom sizes (W) 3.54" - 12.25" (90 - 311 mm), (L) 5.5" - 18" (139 - 457 mm)

**Printable Area:** .16" (4 mm) from right & left edges; .17" (4.2 mm) from top & bottom edges; .08" (2 mm) from all edges for 12.25" x 18" sizes and above

## Paper Weights:

Plain paper: 16 - 24 lb. Bond (60 - 90 g/m<sup>2</sup>)

Thick stock: 50 - 141 lb. Index (90 - 256 g/m<sup>2</sup>)

**Print Media:** Plain paper, letterhead, thick stock, glossy stock, transparencies, laser-quality labels, postcards, and envelopes

## Physical

**Type:** Laser printer with internal controller

**Dimensions (WxDxH):** 25.5" x 23.6" x 18.7" (648 x 606 x 477 mm)

**Weight:** w/o consumables 114.6 lbs. (52 kg); w/ consumables: 133.4 lbs. (60.5 kg); as shipped: 176.4 lbs. (80 kg)

## Electrical

**Power Requirements:**

120V Model: 120 VAC ± 10%; 50/60 Hz ± 3%

220/240V Model: 220/240 VAC ± 10%, 50/60 Hz ± 3%

**Power Consumption:**

Operating: 700 W average

Standby: 130 W or less

**Energy Star\*\*\* Compliant:** 28 W or less

## Environmental

**Temperature Requirements:** Operating: 50° to 95° F (10° to 35° C)

Non-operating: 32° to 95° F (0° to 35° C)

**Humidity:** Operating: 15% to 85% RH

Non-operating: 10% to 85% RH

**Noise Levels:** Operating: <52 dB(A); Standby: <40 dB(A)

## Regulatory/Safety Conformity

UL, cUL, CSA, FCC-B, CDRH, DOC, SASO, RPC

## Consumables\*\*\*\*

**In-Box Cartridges:** Printer ships with one each Cyan, Magenta, Yellow, and Black Toner Cartridges (yield up to 3,000 letter/A4 pages @ 5% coverage); Cyan, Magenta, Yellow, and Black Imaging Units; Waste Toner Box

**Replacement Cartridges:**

Cyan, Magenta, and Yellow Toner Cartridges yield up to 12,000 letter/A4 pages @ 5% coverage

Black Toner Cartridge yields up to 15,000 letter/A4 pages @ 5% coverage

## Typefaces

137 resident PostScript fonts, 93 PCL fonts, 51 symbol sets, and 10 line printer fonts

## Warranty

1-year on-site

\* Exact print speed differs depending on system configuration, software application, driver, and document complexity.

\*\* Application software support required for page reordering.

\*\*\* The addition of some options, in some combinations, may cause the product to become non-compliant. Energy Star compliance does not represent an EPA endorsement of any product or service.

\*\*\*\* The stated life expectancy of each consumable in your printer is based on printing under specific operating conditions such as page coverage for a particular page size (5% coverage of letter/A4). The actual consumable's life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.



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