

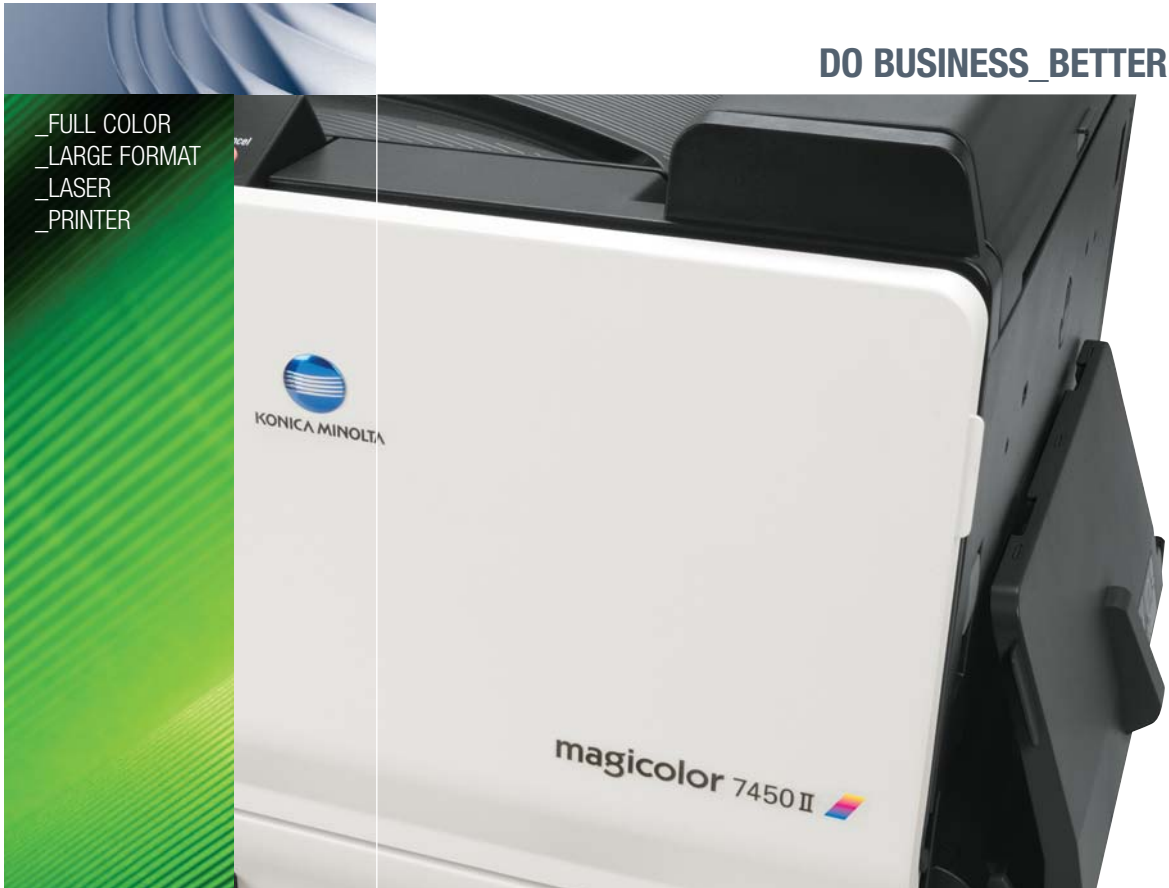


KONICA MINOLTA

## magicolor 7450 II

DO BUSINESS BETTER

FULL COLOR  
LARGE FORMAT  
LASER  
PRINTER



CONNECT

COMMUNICATE

CONTROL



### THE COLOR LASER PRINTER WITH MORE.

More versatility. More speed. More color for business and design. The magicolor® 7450 II large-format laser printer gives you brilliant color at high speed for your creative concepts and 'business as usual' pages. With an Emperon® Print System, 733 MHz G4 processor and the ability to print up to 120,000 pages per month, the magicolor 7450 II has the power to serve diverse workgroups of PC and Mac users with speeds up to 24.5 ppm color and B&W. Konica Minolta's own Simitri® toner formula and 9600 x 600 dpi-class PhotoART Contone resolution ensure prints look fabulous, with true-to-life, vibrant color. And there's virtually no limit to what it can print—supporting pages up to banner size, plain paper to thick stock. Make the most of everything you print with the magicolor 7450 II.

The essentials of imaging

# magicolor 7450 II

- ▶ 24.5\* PPM COLOR AND B&W FOR FAST DOCUMENT DELIVERY
- ▶ FIRST PAGE OUT IN 8.2 SECONDS (B&W), 11.4 SECONDS (COLOR)
- ▶ BOLD 9600 X 600 DPI-CLASS PHOTOART CONTONE COLOR
- ▶ HIGH-PERFORMANCE 733 MHZ G4 PROCESSOR & EMPERON PRINT SYSTEM
- ▶ IMAGE CMYK GRAY FEATURE FOR PURE BLACK NON-TEXT OBJECTS
- ▶ 256 MB DDR SDRAM STD./1024 MB MAX., OPTIONAL 40 GB HDD
- ▶ POSTSCRIPT® 3 (V. 3016), PCL® 6, PDF & JPEG/TIFF DIRECT PRINT\*\* EMULATIONS
- ▶ GIGABIT ETHERNET NETWORK CONNECTION, USB 2.0 & PARALLEL INTERFACES
- ▶ 350 SHEET STANDARD INPUT, EXPANDABLE TO 1,850 SHEETS
- ▶ MEDIA SUPPORT UP TO 12.25" X 47.24"
- ▶ THICK STOCK SUPPORT UP TO 256 G/M<sup>2</sup>
- ▶ EXCEPTIONAL COLOR WITH SIMITRI POLYMERIZED TONER
- ▶ BUILT-IN AUTOMATIC ICC-BASED COLOR MATCHING
- ▶ CAMERA DIRECT PHOTO PRINTING VIA PICTBRIDGE-ENABLED USB 1.1 PORT
- ▶ REAL-TIME PRINTER MANAGEMENT VIA PAGESCOPE® SOFTWARE SUITE
- ▶ 120,000 PAGE MAXIMUM MONTHLY DUTY CYCLE MEANS RELIABILITY

**EMPERON DRIVEN.**  
MORE THAN JUST  
HARDWARE, EMPERON  
IS AN ARCHITECTURE  
THAT DRIVES THE  
PRINTER'S PERFORMANCE,  
SIMPLICITY OF USE  
AND SATISFYING USER  
EXPERIENCE.



**DO BUSINESS BETTER**



**SECURE PRINTING.** PROTECT  
DATA AND ENSURE DOCUMENTS  
MEANT FOR YOUR EYES ONLY  
STAY THAT WAY. SECURE PRINT  
MAKES IT POSSIBLE.

## SPEED PLUS ALL THE EXTRAS

**Fast—from 'click' to print.** An Emperon Print System, powerful 733 MHz G4 processor and custom acceleration hardware manage print jobs efficiently—even from multiple users—to deliver its first B&W page in just 8.2 seconds, first color page in 11.4 seconds, and subsequent prints at 24.5 ppm.

**Work team equipped.** The magicolor 7450 II has PostScript 3 (v. 3016), PCL 6, PDF and JPEG/TIFF Direct Print emulations\*\*, and includes TCP/IP, IPX/SPX, EtherTalk® and UDP protocols for seamless document printing and the latest in network security. With its Emperon 5.1 controller technology, the magicolor 7450 II supports diverse teams of Windows (including Windows 7 and Universal Printer Driver), Macintosh® and Linux® users.

## CREATIVE FLEXIBILITY

**Broad media sizes and types.** Standard letter-sized documents. Spreadsheets on legal paper. Full-bleed tabloid designs with crop and registration marks. Banner posters. Postcards and envelopes. Custom creations. The printer includes a 250-sheet multipurpose cassette and 100-sheet manual feed tray that accepts thick stock up to 140 lb. Index. Add up to three 500-sheet cassettes for higher print traffic and to bring paper capacity to its maximum of 1,850 sheets.

## PRECISION COLOR

**Color you expect.** The magicolor 7450 II features automatic and hands-on technologies—including a built-in ICC-based matching system—that allow you to get the results that match your expectations. The printer automatically maintains color consistency page after page with enhanced Automatic Image Density Control (eAIDC) smart calibration system.

**Professional print quality.** The magicolor 7450 II'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. The printer uses Simitri Polymerized Toner for exceptional results and durable prints that don't smear or fade.

**Eco Vision 2050** is Konica Minolta's commitment to protect the environment – saving energy, preserving resources, promoting recycling and reducing CO<sub>2</sub> emissions by 20% in 2015 – and ultimately by 80% in 2050, to help sustain the environment for generations to come. Please visit our website to learn more about our environmental initiatives and our exclusive **Clean Planet Program**.  
[www.countonkonicaminolta.com](http://www.countonkonicaminolta.com)



\*Based on letter/A4 page size  
\*\*HDD is required

**SUPERB COLOR QUALITY.**  
 SIMITRI POLYMERIZED  
 TONER GIVES PRINTS  
 EXCEPTIONAL COLOR—  
 RICHER GRAPHICS,  
 SHARPER TEXT AND  
 LINES, SMOOTHER  
 GRADATIONS, SUPERIOR  
 IMAGES AND HALFTONE  
 REPRODUCTIONS.



24 PPM 24 PPM

## FEATURES, OPTIONS & BENEFITS

**Intuitive and easy.** Front-door access to color-coded supplies makes replacement quick and simple. The printer's 4-line LCD display communicates toner levels and printer status clearly, and navigates you through the menu system step by step.

**New creative tools.** PDF 1.6\* makes it possible to print transparent objects embedded in documents for true-to-life proofs. Image CMYK Gray feature prints non-text black objects using black toner rather than processed black (CMYK) for richer results. Select Thin Line Mode to print thin lines and small text for important details.

**Prints—large and small.** Supporting a wide range of media sizes, the magicolor 7450 II 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". Select N-up, booklet printing or poster printing in the driver, and customize output. Equip the printer with a duplexer for automatic two-sided printing of reports, hand-outs and more.

**Optional hard drive.** Add a 40 GB HDD to store fonts and forms, direct print files and access secure print features.

**Color choice.** Simulate color you see on your monitor, printing press or other device via the user-friendly print driver. The magicolor 7450 II also includes SWOP, Commercial Press, Eurocolor, TOYO, DIC, and SNAP press emulations and PANTONE® Color tables for complete color control.

**Up to 120,000 prints per month.** The magicolor 7450 II can handle the load when print traffic is heavy with its maximum monthly duty cycle of 120,000 prints. Backed by a one-year on-site warranty, it's certified reliable.

**Photos on the fly.** Connect your PictBridge-compatible digital camera to the magicolor 7450 II and print photos in brilliant color. Choose index prints, multiple copies and N-up prints.

**Internet printer management.** Use your web browser and PageScope Web Connection, an embedded web server, to manage, configure and troubleshoot the printer from anywhere on the network.

**Convenient PageScope Management.** An entire software suite, PageScope lets users and administrators monitor and manage print jobs and devices—from the convenience of their workstation.

## VERSATILE FEATURES

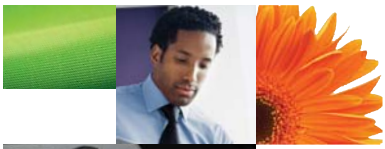
- 1 **Front keypad** provides intuitive graphical display with dynamic "help" functions and at-a-glance toner gauges.
- 2 **100-sheet manual feed tray (standard)** supports media to 12.25" x 47.24", up to a heavy 140 lb. Index (256 g/m<sup>2</sup>) for creative versatility.
- 3 **250-sheet multipurpose cassette (standard)** supports media to 12.25" x 18", up to 256 g/m<sup>2</sup>.
- 4 **500-sheet cassettes (optional)** add up to three and bring paper to its maximum capacity of 1,850 sheets while eliminating frequent refilling. Load trays with different media for complete project flexibility.
- 5 **Automatic duplexer (optional)** for two-sided page printing, it also saves valuable paper resources as well as filling space.
- 6 **Banner tray (optional)** provides no-hands support of banner media (up to 10 sheets) up to 47.24" in length, ensuring it is fed properly into the printer.
- 7 **Caster base (optional)** includes rolling casters for printer mobility. It can be locked into place to ensure stability.
- 8 **USB 1.1 Port (standard)** supports camera direct photo printing via PictBridge technology.



**BUILD TO SERVE.**  
 CUSTOMIZE THE  
 MAGICOLOR 7450 II TO  
 SUIT THE WAY YOU DO  
 BUSINESS. ITS MULTIPLE  
 DOCUMENT HANDLING  
 OPTIONS ADD FLEXIBILITY  
 AND PRODUCTIVITY TO  
 KEEP PEOPLE AND PAPER  
 MOVING.

magicolor

\*HDD is required



# magicolor 7450 II

## GENERAL SPECIFICATIONS

### PRINTING PROCESS

#### PRINT METHOD:

Single-pass, large-format color laser

#### PRINT SPEED\*:

24.5 ppm color, 24.5 ppm b&w  
\*Exact print speed differs depending on system configuration, software application, driver and document complexity.

#### WARM-UP TIME:

99 seconds or less

#### FIRST-PAGE OUTPUT TIME:

Color: 11.4 seconds  
Monochrome: 8.2 seconds

#### RESOLUTION:

9600 x 600 dpi-class with PhotoART

#### RECOMMENDED MONTHLY DUTY CYCLE:

120,000 prints

### HARDWARE AND SOFTWARE CAPABILITIES

#### PROCESSOR:

733 MHz G4 PowerPC® 7447A

#### MEMORY:

256 MB DDR SDRAM  
Upgradeable to 1,024 MB

#### HARD DISK DRIVE (optional)\*:

40 GB  
\*For downloaded fonts, forms and color profiles; electronic collation; job accounting; direct PDF, JPEG and TIFF printing; proof then print, secured job, print and hold, and stored job functions.

#### OPERATING SYSTEM COMPATIBILITY:

Windows Vista  
Windows Vista x64  
Windows Server 2003  
Windows Server 2003 x64  
Windows XP  
Windows XP x64  
Windows 2000  
Windows 7  
Windows 7 x64  
Windows Universal Printer Driver  
Macintosh OS 9 (v9.1+)  
Macintosh OS X (v10.2+)  
Macintosh OS X (v10.5+)  
Linux Red Hat 9  
Linux SuSE 8.2

#### PRINTER EMULATIONS:

PostScript 3 (v. 3016)  
Universal PostScript 3  
PCL 6  
Universal PCL 6  
PCL XL (3.0)  
PDF 1.6\*  
JPEG/TIFF Direct Print\*  
\*Requires optional Hard Drive

#### CAMERA DIRECT PHOTO PRINTING:

PictBridge™ 1.0 via USB 1.1 Host Port

#### PRINTER MANAGEMENT:

PageScope Net Care  
PageScope Web Connection  
PageScope Network Setup  
PageScope EMS Plug-ins  
Tivoli NetView (2.0)  
CA Unicenter 2.0  
HP OpenView  
Microsoft Management Console (MMC)  
PageScope Plug and Print  
PageScope NDPS Gateway  
PageScope Direct Print  
Status Monitor  
Download Manager

#### COLOR SUPPORT:

Enhanced Automatic Image Density Control (eAIDC)  
ICC device profiles  
Automatic ICC-based color matching  
SWOP, Commercial Press, EuroColor®, DIC, SNAP and TOYO® press emulations  
PANTONE® Color Tables

#### INTERFACE SUPPORT

Gigabit Ethernet (10/100/1000BaseTX)  
IEEE 1284 Parallel (supports Microsoft "Plug and Play")  
USB 2.0 (supports Microsoft "Plug and Play")  
USB 1.1 Host Port\*  
\*For Camera Direct Photo Printing

#### PROTOCOLS:

TCP/IP  
EtherTalk  
IPX/SPX (NetWare 4/5/6), NDS Bindery, NDPS  
ARP, Ping/ARP  
DHCP, AutoIP, BOOTP  
FTP  
HTTP, HTTPS  
IPP1.1  
LPD  
NetBEUI  
SLP  
SMB  
SMTP  
SNMP  
TCP/IP socket  
Telnet  
UDP  
UPnP

#### PAPER HANDLING

##### STANDARD PAPER INPUT:

250-sheet multipurpose cassette  
100-sheet manual feed tray

##### OPTIONAL PAPER INPUT:

500-sheet cassette (add up to 3)  
Banner tray

##### STANDARD PAPER OUTPUT:

350-sheet face-down output tray

##### OPTIONAL AUTOMATIC DUPLEXER:

For two-sided printing (plain paper only)

##### PAPER SIZES SUPPORTED\*:

250-sheet multipurpose cassette (standard):  
Letter  
Legal  
Ledger  
4" x 6"  
12" x 18"  
Executive  
Folio  
Govt. Letter  
Govt. Legal  
UK Quarto  
SP Folio  
Statement  
A3, A4, A5, A6  
B4, B5, B6  
Custom sizes:  
(W) 3.55"-12.25" to (L) 5.5"-18"  
(W) 90-311 mm to (L) 140-457 mm  
Envelopes: Monarch, Com10, DL, B5 (ISO), C5  
Postcards: Double  
100-sheet manual feed tray (standard):  
Same as multipurpose cassette plus custom sizes:  
(W) 3.55"-12.25" to (L) 5.5"-47.24"  
(W) 90-311 mm to (L) 140-1200 mm

##### 500-sheet cassette (optional):

Letter  
Legal  
Ledger  
Executive  
Govt. Letter  
Govt. Legal  
Statement  
A3, A4, A5  
B4, B5  
Duplexer (optional):  
Letter  
Legal  
Ledger  
12" x 18"  
Executive  
Folio  
Govt. Letter  
Govt. Legal  
UK Quarto  
SP Folio  
Statement  
A3, A4, A5  
B4, B5  
Custom sizes:  
(W) 3.55"-12.25" to (L) 5.5"-18"  
(W) 90-311 mm to (L) 140-457 mm

\*See Konica Minolta Media Guide for more information

##### PRINTABLE AREA:

0.16" (4 mm) from left & right edges  
0.17" (4.2 mm) from top & bottom edges  
0.08" (2 mm) from all edges for sizes  
12.25" x 18" and above

##### PAPER WEIGHTS:

Plain paper: 16-24 lb. Bond (60-90 g/m<sup>2</sup>)  
Thick Stock: Up to 140 lb. Index (256 g/m<sup>2</sup>)

##### PRINT MEDIA:

Plain Paper  
Letterhead  
Thick Stock  
Glossy Stock  
Transparencies  
Laser Quality Labels  
Envelopes  
Postcards  
Banner - up to 12.25" x 47.24"  
(311 x 1200 mm)

##### PHYSICAL TYPE:

Laser printer with Emperon Print System

##### DIMENSIONS (WXDXH):

25.5" x 23.6" x 18.7"  
(648 x 606 x 477 mm)

##### WEIGHT:

133.4 lbs. (60.5 kg) - w/consumables  
114.6 lbs. (52 kg) - w/o consumables  
176.4 lbs. (80 kg) - as shipped

##### ELECTRICAL

##### POWER REQUIREMENTS:

120 VAC, 50/60 Hz  
220/240 VAC, 50/60 Hz

##### POWER CONSUMPTION:

Operating: 700 Watts Avg., 1,450 Watts Max.  
Standby: 130 Watts Avg.

##### 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 Toner-Cyan, Magenta, Yellow, Black  
(yield up to 3,000 pages @ 5% coverage)  
Replacement Toner-  
Cyan, Magenta, Yellow (yield up to 12,000 pages @ 5% coverage)  
Black (yields up to 15,000 pages @ 5% coverage)  
Imaging Units-  
Cyan, Magenta, Yellow (yield up to 30,000 pages)  
Black (yields up to 50,000 pages)  
Waste Toner Box

\*The stated life expectancy of each consumable 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, and ambient temperature and humidity.

##### TYPEFACES:

137 resident PostScript fonts  
93 PCL fonts  
10 line printer fonts

##### WARRANTY:

1-year on-site

Office imagery courtesy of Knoll, Inc.

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