KONICA MINOLTA

magicolor 2500W/2530 DL

Technical
Guide

magicolor 2500W

magicolor 2530DL

September 2006

Contents

The essentials of imaging

i

KONICA MINOLTA

Consumables 17

Printer Management 21

Color Control 28

Options & Requirements 30

Introduction

The magicolor[fi] 2500W and 2530 DL are the latest desktop color laser printers for Home Office and Small Business use from KONICA MINOLTA.

The magicolor 2500W

The magicolor 2530 DL

The magicolor[fi] 2500W and magicolor 2530 DL from KONICA MINOLTA offer all the benefits of color laser technology   such as faster print speed, higher resolution   laser-quality   output, more durable prints, and less frequent user intervention   in a compact but robust and reliable design. They print beautifully detailed 2400 x 600 dpi resolution at 20 ppm b&w or 5 ppm in color. These printers are easy to set-up, with auto-run installation software and Plug & Play Hi-Speed USB 2.0 interfaces. And, they re reliable, with a 35,000 page per month duty cycle and five years of toll-free, fast-response, U.S.-based technical support.

Designed for the home office and small business environment, the magicolor 2500 Series printers output at fastest rated speed, regardless of the print quality selected. These color lasers produce 2400-dpi resolution on virtually any type or grade of paper, so you don t have to pay premium media prices to get professional-quality prints. Their high-yield consumables mean fewer workflow interruptions, less user intervention, and a low overall cost per page. And, these printers are compact in size, so they take up less room on a desktop, are lighter in weight, and more user-friendly for the small business and home office.

The magicolor 2500W is a stand-alone personal color laser that s compatible with the Windows[fi] operating environment. It comes equipped with a Hi-Speed USB 2.0 interface for local connection, and a paper input capacity of 200 sheets.

The magicolor 2530 DL is compatible with Windows, Macintosh[fi], and Linux[fi] operating systems, and features a built-in Ethernet[fi] 10/100BaseTX connection to allow fast network printing for a small office or workgroup. Digital camera enthusiasts will enjoy the magicolor 2530 DL s built-in support for direct photo printing from PictBridge-compatible cameras. An optional paper tray brings the magicolor 2530 DL s input capacity to 700 sheets, and the optional automatic duplexer provides easy, two-sided printing.

KONICA MINOLTA

Specs at a Glance

An overview of the features of the magicolor 2500W and the magicolor 2530 DL. Differences are highlighted in red.

	magicolor 2500W	magicolor 2530 DL
Print Method	Electrophotographic color laser	Electrophotographic color laser
Processor	Naltec N4	TAK pro 800, 130 MHz
Print Speed	Up to 20 ppm b&w; 5 ppm color	Up to 20 ppm b&w; 5 ppm color
Resolution	UP to 2400 x 600 dpi	Up to 2400 x 600 dpi
Duty Cycle	Up to 35,000 letter/A4 prints/month	Up to 35,000 letter/A4 prints/month
Memory (std. / max.)	32 MB SDRAM std. / 32 MB max.	64 MB SDRAM std. / 576 MB max.
Standard Interfaces	Hi-Speed USB 2.0	Ethernet 10/100BaseTX; Hi-Speed USB 2.0; USB 1.1 Host Port for Camera Direct Photo Print
Media Sizes	Up to legal (8.5" x 14")	Up to legal (8.5" x 14")
Media Weight	Up to 80 lb. Cover (220 g/m² photo media)	Up to 80 lb. Cover (220 g/m² photo media)
Media Input	200-sheet multipurpose tray	200-sheet multipurpose tray; Optional 500-sheet cassette; Optional automatic duplexer
Media Output	200-sheet face-down tray	200-sheet face-down tray
Print Media Types	Plain/recycled paper, glossy stock, thick stock, transparencies, postcards, laser-quality labels, envelopes	Plain/recycled paper, glossy stock, thick stock, transparencies, postcards, laser-quality labels, envelopes
Software Utilities	Driver support for Windows Server 2003/XP (Home/Pro)/2000/NT4/Me/98SE	Driver support for Windows Server 2003/XP (Home/Pro)/2000/NT4/Me/98SE; Macintosh OS X (v10.2+)/OS 9 (v9.1+); Linux Red Hat 9/SuSE 8.2
Color Control	Enhanced Automatic Image Density Control (eAIDC); Automatic ICC-based color matching	Enhanced Automatic Image Density Control (eAIDC); Automatic ICC-based color matching
Typefaces	Compatible with all Windows and/or TrueType[fi] fonts printed via Windows GDI	Compatible with all Windows and/or TrueType[fi] fonts printed via Windows GDI, Macintosh, and Linux utilities
Warranty	One-year exchange	One-year exchange

Target Markets

Versatile, compact color lasers for home office, small business, and workgroup use.

The magicolor 2500W personal color laser is the perfect accessory for the home user or private office. Its sleek design and compact size fit neatly into any space. And it suits even the smallest of budgets with an affordable purchase price and a low cost per page.

For stand-alone use or a multi-user network, the magicolor 2530 DL laser printer is office-ready with its built-in Hi-Speed USB and Fast Ethernet connections. It s also compatible with Windows, Macintosh, and Linux, for maximum productivity in your multi-platform office.

Use these versatile color lasers to print:

- Daily Correspondence
- Email and Web Pages
- Charts
- Spreadsheets
- Reports
- Newsletters
- Invoices
- Business Papers
- Sales Sheets
- Real Estate Listings
- Photographs
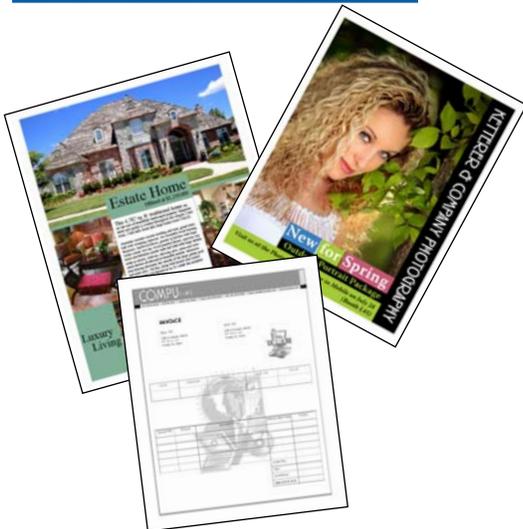
KONICA MINOLTA

Key Features

Dependable, Affordable, and Practically Effortless to Use

Built to Last
Don t let their small size fool you the magicolor 2500W and magicolor 2530 DL color laser printers are robust, reliable, and built to last. They each boast a duty cycle of 35,000 pages per month, for continuous, worry-free printing. And, these dependable color lasers are backed by 5 years of toll-free technical support.

Budget-Friendly
With a low purchase price and replacement toner cartridges that yield up to 4,500 prints, the magicolor 2500 Series printers have a cost-per-page of just pennies for color or black & white prints. And, you get the same high-quality output regardless of the media type used, so your prints look terrific even on inexpensive media.

2¢   11¢

With the magicolor 2500 Series printers, you can print and print for just pennies a page.

User-Friendly
From the box to your desktop, setup of the magicolor 2500 Series printers takes only minutes, with pre-installed supplies and auto-run installation software. The Software Utilities CD-ROM features an auto-install interface that guides you, step-by-step, through the installation of drivers and printer management utilities. Daily operation is also simple with such built-in reliability features as automatic network installation, color calibration, and paper jam recovery.

Amazing Color Quality and Sharp Resolution

Bold, Exciting Color
The magicolor 2500 Series printers produce 2400 dpi resolution at 20 ppm in black & white and 5 ppm in color, so that text and images have vivid detail, which sends a positive, compelling message to your reading audience.

KONICA MINOLTA Simitri Polymerized Toner provides superior color quality.

Innovative Toner Technology
The magicolor 2500 Series printers feature KONICA MINOLTA Simitri Polymerized Toner technology, which uses tiny, uniform-size particles that are encapsulated in a proprietary compound to improve fusing on most media even coarse, recycled paper. As a result, prints are more durable, with images and text that don t smear or fade. In fact, the output for KONICA MINOLTA color laser printers has been tested for longevity up to 100 years.

A Multi-Media Artist

Supporting the most common media sizes, as well as custom sizes from 3.6" x 5.8" up to 8.5" x 14", the magicolor 2500 Series printers can handle almost any kind of job, from flyers and brochures to custom-designed print projects.

These compact color lasers can print on a variety of media types and weights   including plain paper, letterhead, thick stock, glossy stock, transparencies, labels, postcards, and envelopes   to cover every document need.

True Colors

Built-in color controls include Enhanced Automatic Image Density Control (eAIDC) which automatically calibrates the printer so you can count on consistent, accurate color from the first page to the last. And, ICC-based color matching provides single button controls for automatic color correction of print files.

Compact and Desktop-Friendly

The magicolor 2500 Series printers are perfectly designed for the home or small office, where space is at a premium. Measuring less than 20 inches in width and depth, they sit neatly on a desktop or tabletop.

Simple, front access for replacing supplies and clearing media jams makes the magicolor 2500 Series printers even more space-saving   there s no need to access the back of the machine. Toner cartridges are accessible from the front of the printer, and the inside of the front panel displays toner replacement guidelines. And, the print engine is designed to run more quietly than comparable models so even in close quarters, the noise level is minimal.

Toll-Free Technical Support

With KONICA MINOLTA US-based Technical Support, you never have to wait to have your questions answered. Average response time is less than 1 minute during normal business hours. Technical support is toll-free for 5 years, and is available in three different ways:

- ❑ **Answer Base**: The Answer Base provides 24-Hour Online Help. Answers to hundreds of common questions and diagnostic advice for all of our printers and all-in-ones are available at printer.konicaminolta.com/support.

- ❑ **Email**: If you can t find the answer you need in the Answer Base, contact one of our Support Engineers via email at http://printer.konicaminolta.com/support/supportmail/index.html.

- ❑ **Telephone**: If you would rather talk to a KONICA MINOLTA Technical Support engineer, call (877) 778 2687. Check current business hours at printer.konicaminolta.com/support.

13.4"

19.8"

16.9"

The space-saving design of the magicolor 2500 Series printers makes it perfect for the home or small office.

The communication skills, attitude, and demeanor of your Technical Support personnel put me at ease immediately. I knew within the first ten seconds that I was going to get the help that I needed.

Richard Rothschild, President TenantBuyer Home Services, Inc.

The essentials of imaging

KONICA MINOLTA

Engine

The magicolor 2500 Series printers produce high-quality prints at full speed in all resolutions.

Type

The magicolor 2500 Series printers are based on the award-winning color laser engine used in th KONICA MINOLTA magicolor 2400-Series printers.

Duty Cycle

35,000 prints (letter/A4 size) per month maximum.

Print Speeds by Page Size and Media Type

Monochrome (black & white)

Page Size	Simplex (ppm)	Duplex (ppm)*
Letter	20	11.4
Legal	10	N/A**
A4	20	11.4
A5	19	N/A**
B5	20	N/A**

Color

Page Size	Simplex (ppm)	Duplex (ppm)*
Letter	5	5
Legal	2.2***	N/A**
A4	5	5
A5	5	N/A**
B5	5	N/A**

* Automatic duplex available with magicolor 2530 DL only

** Duplexer does not accept legal, A5, or B5 sizes

*** Print speed for legal size, simplex color print on magicolor 2500W is 2.5 ppm

First-Page-Out Times*

Page Size	Monochrome (Black)		Full Color		Simplex/Duplex
Letter/A4	14	12	23	21	Simplex
Letter/A4	N/A	24	--	33	Duplex
Legal	15	13	--	34	Simplex
A5	14	12	23	21	Simplex
B5	14	12	23	21	Simplex

☐ magicolor 2500W   ☐ magicolor 2530 DL

Weights and Dimensions

The magicolor 2500 Series printers' sleek design and compact size let them fit neatly into any space. Measuring less than 20 inches in width and depth, these printers sit neatly on a desktop or tabletop.

magicolor 2500W / magicolor 2530 DL Packaging

Width	Depth	Height
23.27" (591 mm)	19.53" (496 mm)	20.55" (522 mm)

magicolor 2500W / magicolor 2530 DL Printer (with tray cover)

Width	Depth	Height
16.9" (430 mm)	19.8" (502 mm)	13.4" (341 mm)

magicolor 2500W / magicolor 2530 DL Printer (with tray closed)

Width	Depth	Height
16.9" (430 mm)	15.6" (395 mm)	13.4 (341 mm)

Weight

	magicolor 2500W	magicolor 2530 DL
Shipping	52.2 lbs. (23.7 kg)	55.2 lbs. (25.1 kg)
Printer with consumables	42.8 lbs. (19.5 kg)	45.8 lbs. (20.8 kg)
Printer without consumables	35.2 lbs. (16 kg)	38.2 lbs. (17.4 kg)

The essentials of imaging

KONICA MINOLTA

Operating Environment Conditions

Power supply	110 – 120 V, 50 – 60 Hz
Power consumption	1,100 W maximum
	600 W or less (monochrome printing)
	450 W or less (color printing)
	250 W or less (standby)
	28 W or less (Energy Saver)
Temperature (operating)	50 – 95 °F (10 – 35 °C)
Humidity (operating)	15 – 85% RH
Noise	52 dB or less (printing)
	35 dB or less (standby)

Controller

The magicolor 2500 Series printers use the power of the host computer s operating system to deliver great performance for less cost.

Type

The magicolor 2500 Series printers have easy-to-access controllers. The magicolor 2500W has 32 MB SDRAM on board, while the magicolor 2530 DL has 64 MB RAM on board.

Processor

The magicolor 2500 Series printers use the power of the host computer s operating system for processing documents prior to printing.

- ❑ magicolor 2500W: Naltec N4
- ❑ magicolor 2530 DL: TAK Pro800, 130 MHz

The magicolor 2500W features a Hi-Speed USB 2.0 interface integrated into the controller.

Connectivity

- ❑ magicolor 2500W: Hi-Speed USB 2.0
- ❑ magicolor 2530 DL: Ethernet 10/100BaseTX
  - Hi-Speed USB 2.0
  - USB 1.1 Host Port for Camera Direct Photo Print

A USB 2.0 (High-Speed) compliant interface is integrated into the magicolor 2500W controller. It provides a 4-pin Series B connector and runs at 480 Mbps. This Plug and Play interface supports Windows Server 2003/XP (Home/Pro)/2000/Me/98 SE.

Integrated in the magicolor 2530 DL controller are three interfaces:

- ❑ The Ethernet 10/100BaseTX autosensing interface operates on both the traditional 10 Mbps and 100 Mbps Fast Ethernet networks, and it supports TCP/IP, IPP, DHCP, BOOTP, HTTP, SNMP, SLP, LPR, Bonjour, SMB, LPD, ARP, and ICMP protocols. This interface supports Windows Server 2003, XP, 2000, Me, and 98SE; Macintosh OS 9 and OS X 10.2+; and Linux Red Hat 9, and SuSE 8.2 operating systems

For stand-alone or network printing, the magicolor 2530 DL features both Hi-Speed USB 2.0 and Ethernet 10/100BaseTX interfaces.

- ❑ The USB 2.0 (Hi-speed) compliant interface provides a 4-pin Series B connector and runs at speeds up to 480 Mbps. This Plug and Play interface supports Windows Server 2003, XP, 2000, Me, and 98SE; Macintosh OS 9 and OS X 10.2+; and Linux Red Hat 9, and SuSE 8.2 operating systems.

- ❑ The USB 1.1 Host Port used for Camera Direct Photo Printing, is conveniently located on the front of the printer and features PictBridge 1.0 compatibility. USB 1.1 Host Port that is used for Camera Direct Photo Printing. This feature is explained in detail in the section entitled Camera Direct Photo Printing .
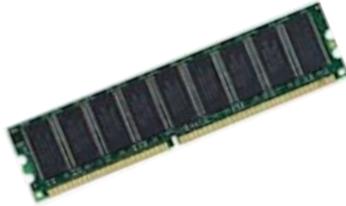
KONICA MINOLTA

Printer Memory

- **magicolor 2500W:** 32 MB std., 32 MB max.
- **magicolor 2530 DL:** 64 MB std., 64 MB max.

The magicolor 2500W includes 32 MB of RAM on the controller. This memory is sufficient for printing all supported page sizes at all supported resolutions. There is no need to install additional memory in the printer.

The magicolor 2530 DL is equipped with 64 MB of RAM which is sufficient for printing all supported page sizes (simplex) at all supported resolutions. One DIMM slot is available for upgrading printer memory to 576 MB. Additional memory can improve the printer s performance, especially in a network environment.

Increasing the host computer s memory may also improve transmission speed and overall performance of either printer.

To support full-color automatic duplex printing on all page sizes, extra memory should be added to the magicolor 2530 DL (see chart):

Memory Requirements for Duplex Printing			
	600 x 600 dpi	1200 x 600 dpi	2400 X 600 dpi
magicolor 2530 DL	additional 128 MB	additional 128 MB	additional 256 MB

When using the Camera Direct Photo Print feature, the magicolor 2530 DL 64 MB standard RAM is sufficient for 600 x 600 dpi and 1200 x 600 dpi printing. Additional RAM is required to print at 2400 x 600 dpi (see chart):

Memory Requirements for Camera Direct Photo Printing			
	Draft Mode	Standard Mode	Fine Mode
magicolor 2530 DL	64 MB	64 MB	192 MB

Resolution

- 2400 x 600 dpi
- 1200 x 600 dpi (default)
- 600 x 600 dpi

The magicolor 2500 Series printers   default print resolution (1200 x 600) is perfect for general business documents that include text and graphics. For printing drafts and disposable documents, select 600 x 600 dpi resolution

Extra memory can be added to the magicolor 2530 DL to improve the printer s performance, especially in a network environment.

KONICA MINOLTA

The essentials of imaging

For best print quality, choose 2400 x 600 resolution. This setting is perfect for printing everything from photographs and clip art to text and graphics. It also provides great detail in fine lines and halftones.

Print quality is further enhanced by the printer s Simitri Polymerized Toner technology. See Consumables, later in this guide, for more information.

Compatibility and Minimum System Requirements

	magicolor 2500W	magicolor 2530 DL
Hardware	333 MHz Celeron -class PC	400 MHz Pentium II-Class PC (500 MHz recommended) OR Power Mac G3 (G4 recommended)
Operating System	Windows Server 2003, XP, 2000, Me, 98SE	Windows Server 2003, XP, 2000, NT4, Me, 98SE Macintosh OSX (v10.2+) Linux Red Hat 8.0+, SuSE 8.1+
PC Memory	128 MB	128 MB
Free Hard Disk Space	128 MB (Windows 2003, XP) 64 MB (Windows 2000, Me, 98SE)	256 MB
CD-ROM	For installation of the printer drivers and Status Display utility	For installation of the printer drivers and Status Display utility
Interface	USB 2.0 (High Speed)	Ethernet 10/100BaseTX USB 2.0 (High Speed)

Designed for
Microsoft®
Windows®
Server 2003

Designed for
Microsoft®
Windows® XP
Windows® 2000

Mac OS

KONICA MINOLTA

Camera Direct
Photo Printing

Print directly from a PictBridge-enabled digital camera no PC or special software required.

USB Host Port with PictBridge Compatibility

Using the USB 1.1 Host Port, conveniently located on the front of the magicolor 2530 DL you can print photographs directly from many PictBridge-enabled digital cameras with no PC or special software required. Supported functions include the following:

- ❑ Single image print
- ❑ Several selected images print
- ❑ All images index print
- ❑ All images print
- ❑ Multiple copies
- ❑ Date print
- ❑ Fixed size print
- ❑ N-up layout
- ❑ Plain paper or photo media
- ❑ Sizes up to 8.5" x 14", including 4" x 6" borderless prints with special media obtained through your KONICA MINOLTA dealer
- ❑ Varied or duplicate images on the same page

Depending on the camera model, other functions may also be supported.

2. Select the photo(s) to be printed.
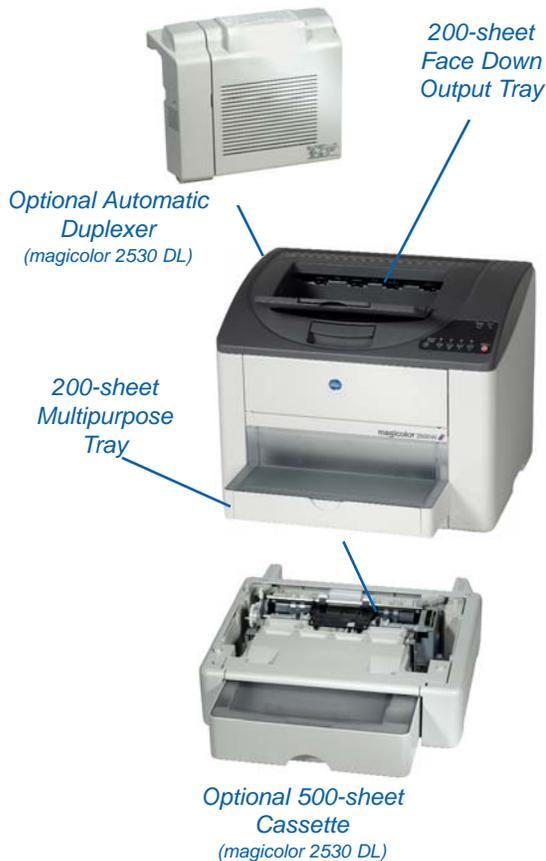
1. Connect the digital camera to the USB 1.1 Host Port.

3. Click Print in the camera user interface.

Media Handling

The magicolor 2500 Series printers has hearty media handling to handle heavy print traffic.

200-sheet Face Down Output Tray

Optional Automatic Duplexer
(magicolor 2530 DL)

200-sheet Multipurpose Tray

Optional 500-sheet Cassette
(magicolor 2530 DL)

Standard Media Handling

The magicolor 2500 Series printers include a 200-sheet multipurpose tray for paper and other print media. This tray accommodates all supported page sizes, up to 8.5" x 14" (216 x 356 mm). Printed pages are delivered face down into the printer s 200-sheet output tray. When necessary, both trays can close to conserve space.

Optional Media Handling *(magicolor 2530 DL only)*

- ❑ 500-Sheet Cassette
- ❑ Automatic Duplexer

The input capacity on the magicolor 2530 DL can be increased by adding a 500-sheet cassette to bring the paper input to its maximum of 700 sheets.

Adding an automatic duplexer is a great investment for businesses printing lots of multiple-page documents. This two-sided printing option saves paper and filing space.

Print Media

The magicolor 2500 Series printers supports a range of print media to handle a variety of applications. For a complete list of approved media, refer to printer.konicaminolta.com.

Media Type	Specifications	Driver Setting
Normal Paper	16 24 lb (60 90 g/m²)	Plain Paper
Recycled Paper	16 24 lb (60 90 g/m²)	Plain Paper*
Envelopes	Supported**	Envelope
Glossy Stock	16 24 lb (60 90 g/m²)	Glossy
Letterhead	16 24 lb (60 90 g/m²)	Letterhead
Labels (sheet)	Supported**	Label
Postcards	16 43 lb (60 163 g/m²)	Postcard
Thick Stock	24 lb Bond-80 lb Cover (90 220 g/m²)	Thick***
Transparencies	KONICA MINOLTA Q-Media	Transparency

** Driver should be set to Recycled on magicolor 2530 DL*
** Must be certified for laser printers and capable of withstanding fusing temperature of 401 F (205 C).
*** Driver should be set to Thick Stock on magicolor 2530 DL.

KONICA MINOLTA

Media Path

The relatively simple media path of the magicolor 2500 Series printers allows for quick page printing and enables support for labels and thick stock.
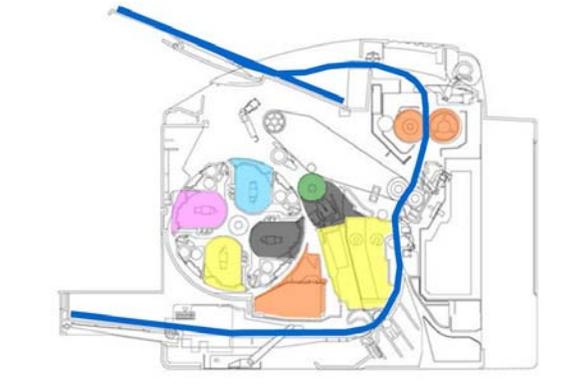
Imageable Area

- ❏ Guaranteed print width   Up to 8.5" (215.9 mm)
- ❏ Guaranteed print length   Up to 13.45" (341.6 mm) color; up to 13.7" (347.6 mm) monochrome
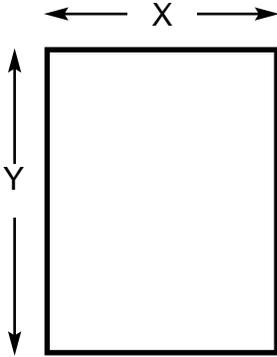- ❏ Non-printable area   0.16" (4 mm) from all page edges

Supported Media Sizes

200-Sheet Multipurpose Cassette (Standard)

Media Size Cut-Sheet Paper	x-Dimension	y-Dimension
Letter	8.5"	11"
Legal	8.5"	14"
4 x 6	4"	6"
Executive	7.25"	10.5"
Statement	5.5"	8.5"
Folio	210 mm	330 mm
Foolscap	8"	13"
UK Quarto	8"	10"
Letter Plus	8.5"	12.7"
Government Letter	8.5	10
Government Legal	8.5"	13"
A4	210 mm	297 mm
A5	148 mm	210 mm
B5 (JIS)	182 mm	257 mm

KONICA MINOLTA

The essentials of imaging

B5 (ISO)	176 mm	250 mm
B6 (JIS)	128 mm	182 mm
16K	195 mm	270 mm
Kai 16	185 mm	260 mm
Kai 32	130 mm	185 mm
Custom	3.6" (min)	5.8" (min)
	8.5" (max)	14" (max)

Postcard

Double Postcard	148 mm	200 mm
Japanese Postcard	100 mm	148 mm

Envelopes

Monarch	3.875"	7.5"
Com 10	4.1"	9.5"
DL	110 mm	220 mm
B5 (ISO)	176 mm	250mm
C5	162 mm	229 mm
C6	114 mm	162 mm
Chou 3	120 mm	235 mm
Chou 4	90 mm	205 mm
You 4	235 mm	105 mm

The table at the right refers to X and Y dimensions of the media as diagrammed above.

500-Sheet Input Cassette (Optional - magicolor 2530 DL only)

Media Type	x-Dimension	y-Dimension
Letter	8.5"	11"
A4	210 mm	297 mm

Automatic Duplexer (Optional - magicolor 2530 DL only)

Media Type	x-Dimension	y-Dimension
Letter	8.5"	11"
Legal	8.5"	14"
Folio	210 mm	330 mm
Foolscap	8"	13"
Letter Plus	8.5"	12.7"
Government Legal	8.5"	13"
A4	210 mm	297 mm

The essentials of imaging

 KONICA MINOLTA

Advanced Document Processing

The magicolor 2500 Series printer drivers provides several advanced document processing functions which are described below:

Printer-based electronic collation
Instead of transmitting a multiple-page print job several times over the network to print the number of copies required, simply tell the printer driver how many copies you want. The job is transmitted once, but the printer outputs the required number of copies. Called printer-based electronic collation, this feature enables the printer to deliver the required number of copies, with the pages in the proper order, without bogging down the transmission line.

N-up printing
The printer driver s n-up option allows you to print a 2, 4, 6, 9, or 16 pages of a multi-page document on a single sheet of media. Add a border line and select the flow of the pages across the sheet using easy-to-understand settings.
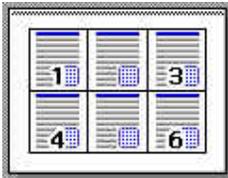
N-up printing

Form overlays
A form overlay is an image that is printed either on the first page or on all pages of a document.

Watermarks
A watermark is a word or phrase that is repeated on each printed page. You can add common text watermarks such as   CONFIDENTIAL   and   DRAFT   to a document or create a custom watermark. The printer driver also includes selections for indicating the watermark s font, style, size, color, placement, and angle.
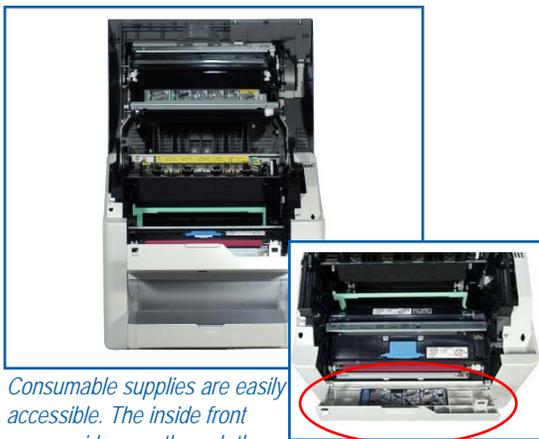

Watermarks

Consumables

magicolor 2500 Series printers consumables are intelligent, easy to monitor, and easy to replace.

Consumable supplies are easily accessible. The inside front cover guides you through the replacement process.

User-Replaceable Supplies

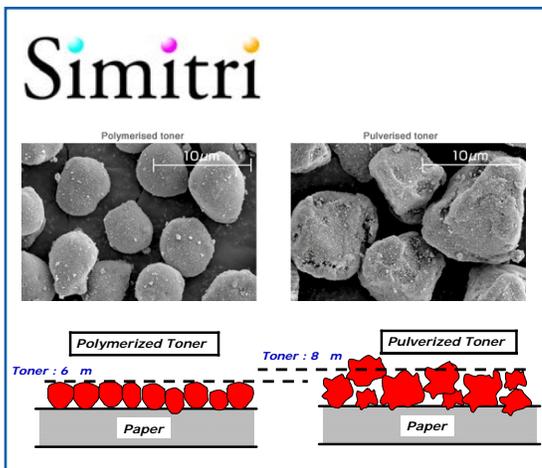☐ Cyan, magenta, yellow, and black (CMYK) toner cartridges

☐ Drum Cartridge

The magicolor 2500 Series printers   four (CMYK) toner cartridges are each color-coded for error-free installation and replacement, and feature an intelligent chip that stores information on toner levels for accurate supplies monitoring. (See   Supplies Monitoring   later in this guide for further information).

When a toner does require replacement, it will rotate to present itself for changing. Toners are easily accessible via the front cover, which features step-by-step instructions for removing empty and adding new cartridges.

Drum Cartridge

The drum cartridge includes both the OPC drum and waste toner box. The waste toner box captures excess toner from the printing process and prevents engine damage from loose toner particles. An agitation screw inside the waste toner box ensures efficient waste toner storage.

Simitri Polymerized Toner

KONICA MINOLTA Simitri (pronounced   symmetry) Polymerized Toner produces exceptional output. Its particles are smaller and more uniform in size and shape than conventional, pulverized toner, providing finer lines, better halftones, and improved image quality, regardless of media type used.

Simitri Polymerized Toner also has a higher transfer efficiency than regular toner, further contributing to output quality while producing less waste toner in the form of toner dust, which remains on the surfaces of drum cartridges, transfer belts, and rollers after a page has printed. A lubricant encapsulated within the toner particles eliminates the need for fuser oil, meaning that you have one less consumable to buy. Polymerized Toner is also more environmentally friendly, emitting less carbon acid gas (CO_2), nitrogen oxide (NOx) and sulfur oxide (SOx) in production process.

Simitri Polymerized Toner adheres better to the media surface as a result, prints are more durable, with images and text that don t smear or fade.

KONICA MINOLTA

Consumable Yields

Consumable yields are expressed as an average number of letter/A4 pages at 5% coverage. However, actual consumable life depends on such variables as page coverage, page size, media type, continuous or intermittent printing, number of color planes, ambient temperature, and humidity.

Optimal consumable life is achieved with continuous printing (three or more pages per job). Intermittent printing (one page per job) reduces consumable life.

In-box Consumables

The magicolor 2500 Series printers s standard in-box toner CMYK cartridges contain enough toner for an average of 1,500 prints at standard 5% coverage, letter/A4-size paper, continuous printing. Also included in the shipment is a full-capacity drum cartridge.

Replacement Consumables

Consumable	Yield*	Notes
Black Toner High Capacity	4,500 pages	Continuous printing
Cyan Toner Standard Capacity	1,500 pages	Continuous printing
Cyan Toner High Capacity	4,500 pages	Continuous printing
Magenta Toner Standard Capacity	1,500 pages	Continuous printing
Magenta Toner High Capacity	4,500 pages	Continuous printing
Yellow Toner Standard Capacity	1,500 pages	Continuous printing
Yellow Toner High Capacity	4,500 pages	Continuous printing
Drum Cartridge	45,000 pages	Monochrome, continuous printing
	10,000 pages	Monochrome, intermittent printing
	11,250 pages	Full color, continuous printing
	7,500 pages	Full color intermittent printing

*Based on standard 5% coverage, letter/A4-size paper.*

Supplies Monitoring

The magicolor 2500 Series printers give you several options for viewing remaining consumable supply levels:

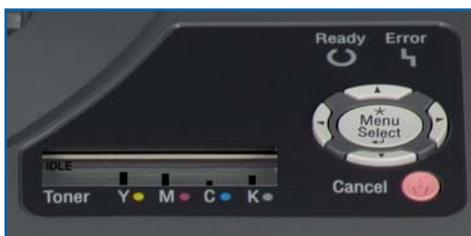| magicolor 2500W	magicolor 2530 DL
Printer control panel LEDs	Printer control panel Message window
--	Printer control panel Configuration page
Status Display Supplies Status display	Status Display Supplies Status display
Status Display Configuration page	Status Display Configuration page
--	PageScope Web Connection Detail/Consumables option

Printer Control Panel

The 6 LEDs on the magicolor 2500W control panel alert you when the life of a toner or drum cartridge is nearing the end or has ended.
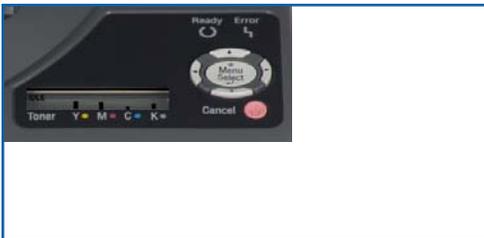
The LEDs on the magicolor 2500W control panel alert you to the printer s consumables status.

Toner LEDs (Y, M, C, K)	Ready LED	Error LED	Condition
Slow blinking	N/A	N/A	Toner near empty
On	N/A	N/A	Toner out
N/A	On	Slow blinking	Drum cartridge near end
N/A	On	Blinking	Drum cartridge end

The message window in the magicolor 2530 DL control panel alerts you when the life of a toner or drum cartridge is nearing the end or has ended.

The magicolor 2530 DL message window also shows an easy-to-read   gas gauge   type display of toner levels.
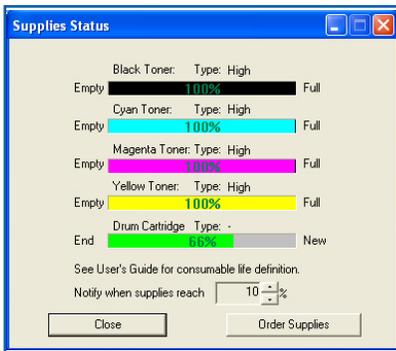
Message	Meaning	Action
DRUM LOW	The drum cartridge is near the end of its life.	Prepare a new drum cartridge.
DRUM CARTRIDGE END OF LIFE	The drum cartridge has reached the end of its life.	Install a new drum cartridge.
(CMYK) TONER LOW	The indicated toner cartridge is low and should be replaced within about 200 pages.	Prepare a new toner cartridge.

The essentials of imaging

19

KONICA MINOLTA

TONER EMPTY (CMYK)	The indicated toner cartridge is empty.	Install a new toner cartridge.
TONER LIFE END (CMYK)	The indicated toner cartridge is empty.	Install a new toner cartridge.

The message window on the magicolor 2530 DL also shows an easy-to-read gas gauge type graphical display of CMYK toner levels.

From the menu button on the control panel, you can print a configuration page by choosing PRINT CONFIG PAGE from the SPECIAL PAGES menu. When printed, you will notice the remaining toner status listed at the top of the page.
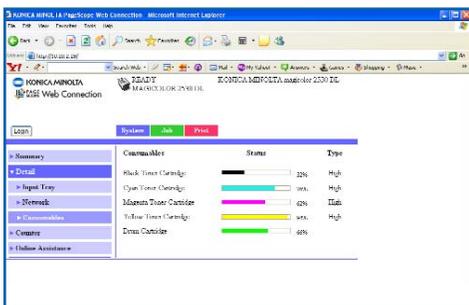
Status Display

Both the magicolor 2500W and the magicolor 2530 DL have a handy Status Display, which is a desktop utility that displays information about the current status of the printer and its consumables and allows you to configure various settings.

The handy Status Display shows the capacity of each consumable, as well as the percentage of life remaining.

Access the Supplies Status display by choosing Supplies Status from the utility s Display menu. This full-color, gas gauge-style display shows the capacity of each toner cartridge and the drum cartridge as well as the percentage of life remaining.

Print a configuration page by choosing Print Config Page from the utility s Printer menu. This monochrome text page also lists the capacity of each consumable as well as the percentage of life remaining.

PageScope Web Connection

The magicolor 2530 DL includes an embedded web page that allows users to retrieve real-time information about the status of the printer. This feature, called PageScope Web Connection, requires no additional software application on the users computers other than their existing web browser.

PageScope Web Connection provides another option for checking supply levels on the magicolor 2530 DL.

Simply type the printer s IP address into your web browser to access PageScope Web Connection. By selecting the Detail menu and then the Consumables option, a convenient gas gauge type display provides information about supply levels of the magicolor 2530 DL.

KONICA MINOLTA

The essentials of imaging

Printer
Management

The printer drivers and Status Display included with the magicolor 2500 Series printers give you complete control of all printer functions.

Convenient Printer Management Tools

The magicolor 2500 Series printers offer several ways for you to manage the printers through the convenient and extensive printer management tools built into the printers and included on the printer s auto-install *Software Utilities* CD-ROM.

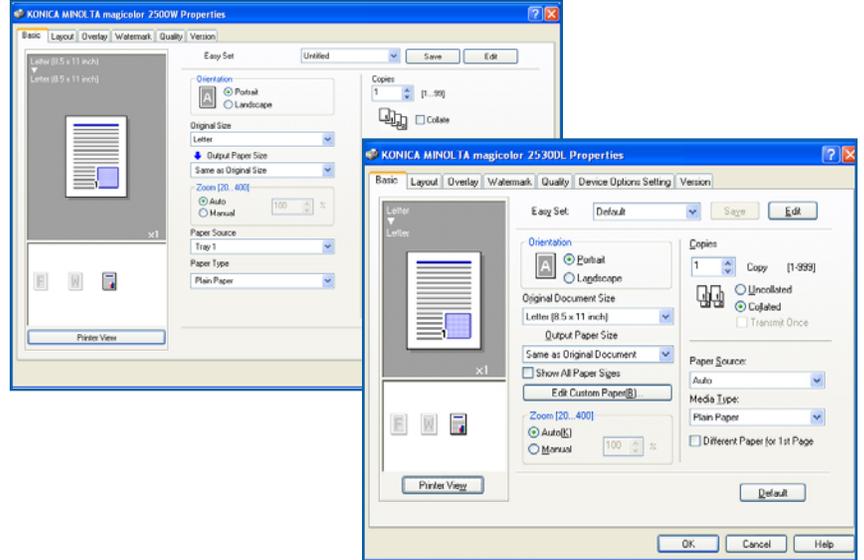| magicolor 2500W	magicolor 2530 DL
Printer drivers for all supported versions of Windows (Server 2003/ XP (Home/Pro)/2000/Me/98SE)	Printer drivers for all supported versions of Windows (Server 2003/ XP (Home/Pro)/2000/NT4/Me/98SE)
--	PPDs for all supported versions of Macintosh (OSX v10.2+) and Linux (Red Hat 8.0+/SuSE 8/1+)
Status Display	Status Display
Printer Control Panel	Printer Control Panel
--	PageScope Web Connection
Electronic user documentation	Electronic user documentation

Printer Drivers

The magicolor 2500 Series printers Microsoft-certified printer drivers are compatible with all supported versions of Windows. Macintosh PPDs are also available for the magicolor 2530 DL. You must install a printer driver on each computer that will print to a magicolor 2500 Series printer.

Printer drivers are available in 15 languages: English, French, Brazilian Portuguese, Spanish, German, Italian, Czech, Polish, Slovak, Hungarian, Chinese Simplified, Chinese Traditional, Russian, Korean, and Japanese.

Designed for
Microsoft®
Windows®
Server 2003

Designed for
Microsoft®
Windows®XP
Windows®2000

Mac OS

KONICA MINOLTA Windows drivers are Microsoft certified. Macintosh PPDs are Apple fi certified.

The essentials of imaging

KONICA MINOLTA

The magicolor 2500 Series printers Windows drivers feature a tabbed layout that conforms to Microsoft standards, making them very simple to use.

The settings on the Quality tab allow you to fine-tune the quality of your printed document.
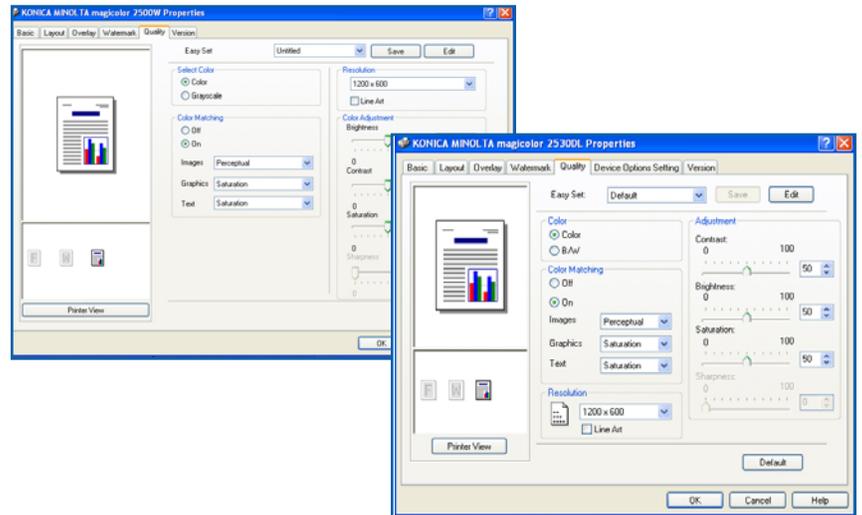
PPDs make the extensive document handling and control features of the magicolor 2530 DL available to Macintosh and Linux users.

The essentials of imaging
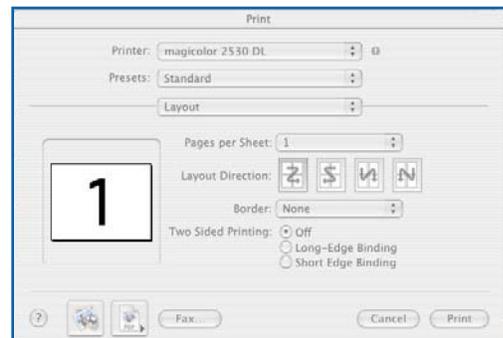
Status Display

Both the magicolor 2500W and magicolor 2530 DL include a handy Status Display that provides detailed information about the printer including current status, current consumable levels, and explanations of any errors that may have occurred. This helpful utility resides as an icon in the system tray on the Windows taskbar and can be activated simply by double-clicking the icon.

The Status Display automatically establishes communication with the printer whenever the host PC is turned on.
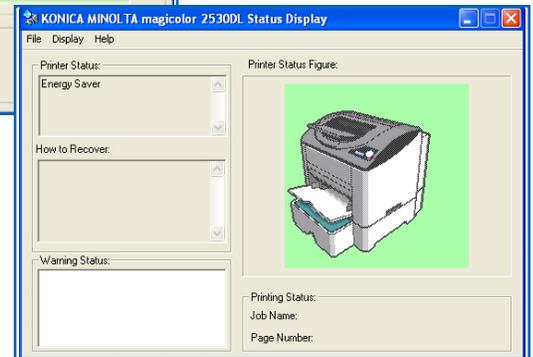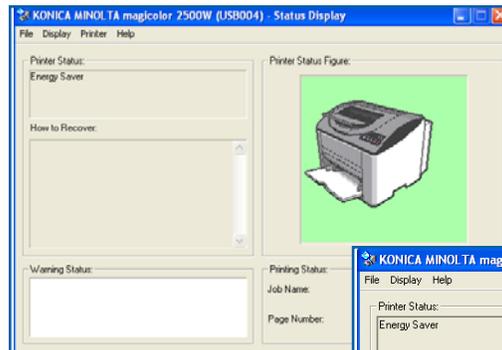
All errors are accompanied by "How to Recover" instructions.

KONICA MINOLTA

Printer Control Panel
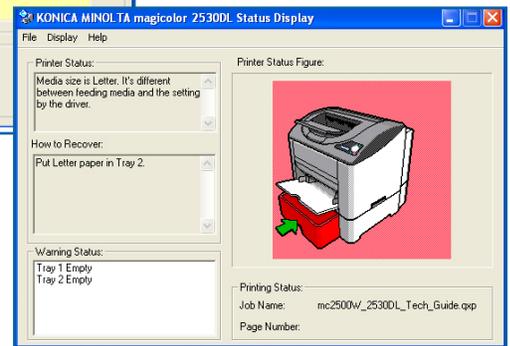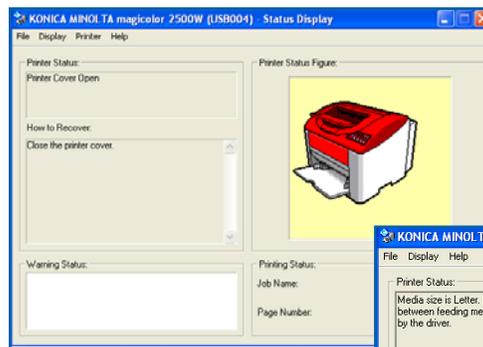
The magicolor 2500W has six LEDs that indicate printer and consumable status.

The magicolor 2500W has six LEDs (Ready, Error, Y, M, C, and K) that indicate printer and consumable status.

Ready	Error	Toner	Condition
Off	Off		Power off
On	Off		Ready to print
On	On		Initializing/Canceling a job
Rapid Blinking	Off		Warming up/Calibrating
Blinking	Off		Processing data/ Printing
Slow Blinking	Off		Energy Saver mode
On	Slow Blinking		Drum cartridge near end of life
On	Blinking		Drum cartridge end of life
On	Rapid Blinking	Rapid Blinking	Not a KONICA MINOLTA toner cartridge
		Slow Blinking	Toner cartridge near empty
		On	Toner cartridge empty
		Rapid Blinking	Toner cartridge is ready to be replaced

magicolor 2500W Cancel Button

Press and hold the *Cancel* button on the magicolor 2500W for more than 5 seconds to cancel the current job. Press the Cancel button for less than 5 seconds to continue a print job after loading media or addressing an error message, to print the back of the page during manual duplex printing, or to reset the printer after replacing a toner cartridge,

magicolor 2500W Rotate Toner Button

Press the *Rotate Toner* button once on the magicolor 2500W to move the cyan toner cartridge into position for replacement. With each additional press of the button, the black, yellow, and then magenta toner cartridge move into position, so that they can be replaced.

The essentials of imaging

The magicolor 2530 DL has a user-friendly control panel that guides you through such things as supply changes and print job setup.

The magicolor 2530 DL has two LEDs (Ready and Error) that indicate printer status.

Ready	Error	Condition
Off	Off	Power off
On	Off	Ready to print
Off	On	Printer requires attention. Usually accompanied by a status message in the message window.

magicolor 2530 DL Cancel Button

Use the *Cancel* button on the magicolor 2530 DL to cancel the currently displayed menu or menu choice. The button also allows you to cancel one or all print jobs that are currently being printed or processed.

magicolor 2530 DL Menu/Select Button

Press the *Menu/Select* button on the magicolor 2530 DL to enter the configuration menu system, move down within the menu structure, and select the displayed menu choice.

magicolor 2530 DL Left and Right Buttons

The *Left and Right* buttons on the magicolor 2530 DL allow you to move left and right within the menu structure and also scroll left and right within a list of available menu choices.

magicolor 2530 DL Up and Down Buttons

The *Up and Down* buttons allow you to move up and down within the menu structure and scroll upward or downward through the available characters when you are in a menu choice that is changeable character by character.

PageScope Web Connection

The magicolor 2530 DL includes an embedded web page that allows users to retrieve real-time information about the status of the printer. This feature, called PageScope Web Connection, requires no additional software application on the users   computers other than their existing web browser.

PageScope Web Connection provides users with a simple way to find the answers to questions like these about their printer:

KONICA MINOLTA

❑ How much toner is left in the cartridges?

❑ Has my document printed yet?

❑ What are the printer s default settings?

❑ Electronic user documentation

PageScope Web Connection information is divided into three categories:

❑ System   The System tab highlights the printer s configuration, media type and size loaded in each tray, network settings, consumable supply levels, and number of pages printed.

❑ Job   The Job tab displays information about the most recent print jobs, including the job owner, job status, and number of pages printed.

❑ Print   The Print tab allows users to print a configuration or test page, or to print a menu map to navigate the printer control panel more easily.

PageScope Web Connection also provides a convenient Internet link to the KONICA MINOLTA Service & Support pages in case of a problem with the printer. PageScope Web Connection is another example of KONICA MINOLTA s commitment to making color printing as easy as possible for everyone.

PageScope Web Connection is supported through these browsers:

❑ Windows   Microsoft Internet Explorer v5.5+, Netscape Navigator v7.0+

❑ Macintosh   Microsoft Internet Explorer v5.0+, Netscape Navigator v7.0+, Safari v1.0+

❑ Linux   Netscape Navigator v7.0+

Electronic User Documentation

Three manuals that you ll find especially useful are included on the *Documentation* CD-ROM:

❑ *magicolor 2500 Series printers Installation Guide*

❑ *magicolor 2500 Series User s Guide*

❑ *magicolor 2500 Series printers Reference Guide*

These manuals are provided in Adobe PDF format. Using the free Adobe Reader, you ll be able to easily display these manuals on your computer screen, enlarge any illustrations you need a close-up view of, easily search for a certain word or phrase, or print part or all of the manual. In addition, these electronic manuals can be easily stored on your computer s hard disk or in a convenient place on your network, so that any information you need is only a click away.

All of the user documentation is also posted on the KONICA MINOLTA PRINTING SOLUTIONS U.S.A. Service & Support website at

printer.konicaminolta.com/support

Color Control

Professional Color Tools

The magicolor 2500 Series printers have been designed with the color novice in mind. These printers features an internal color matching system that automatically selects the proper color model based on the specific elements on any given page. They also include enhanced Automatic Image Density Control (eAIDC), which produces consistent color on each and every printed page.

Automatic ICC-Based Color Matching

Driver-based color matching selections are easy to access and use.
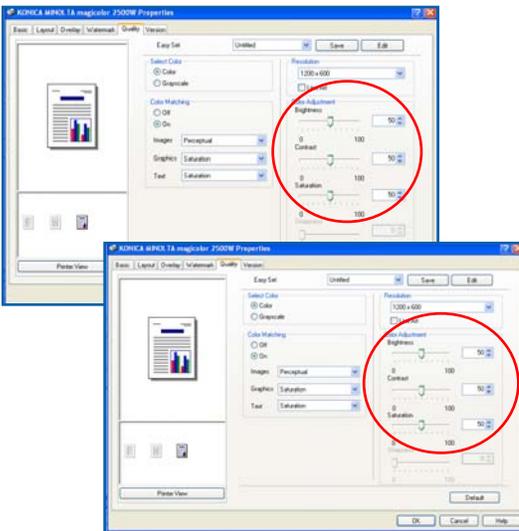
The magicolor 2500 Series printers drivers include an ICC-based color matching system that provides single-button controls for automatic correction of color files. Using built-in ICC profiles and an sRGB color space, this printer-resident system makes it as easy to get great color from a PowerPoint presentation as it is from a desktop publishing application such as QuarkXPress. Both inexperienced and professional color users will find its color matching methods easy to navigate.

When the color matching system is activated, users can choose from three different color rendering methods for three different types of page elements (graphics, images, and text):

❑ Colorimetric This is the best choice when you re printing solid colors, automatically making adjustments for consistent, predictable output.

❑ Perceptual   This is the ideal selection when you re printing photographic images. It s tuned to enhance images for high-quality proofs.

❑ Saturation   When bright colors are needed for text and graphics, this is the best selection.

Fine-tune color output with the printer driver s slider-bar color adjustments.

If you prefer, you can use the driver s custom selections to manually fine-tune your color output. The convenient slider bars make it easy to adjust image contrast, brightness, saturation, and sharpness.

eAIDC means consistent color on every print.

Enhanced Automatic Image Density Control (eAIDC)

From day to day, and from one consumable change to the next, toner density may change, ultimately affecting color consistency. To maintain color consistency and ensure predictable color without user intervention, the magicolor 2500 Series printers automatically perform enhanced Automatic Image Density Control at the following times:

❑ When the printer is turned on after a temperature or humidity change has occurred

❑ When the printer exits from Energy Saver mode after a temperature or humidity change has occurred

❑ When the printer is turned on or exits from Energy Saver mode after a predetermined number of pages have been printed (200 pages since the last quick AIDC or 1000 pages since the last full AIDC)

❑ After a consumables change

❑ Whenever requested by the user through the Engine/Service/ Color Calibration menu (magicolor 2530 DL only).

KONICA MINOLTA

# Options & Requirements

Duplex Option

You can perform manual duplexing on the magicolor 2500 Series printers by printing on one side of a page, turning it over, and then printing on the other side.

For more convenient two-sided printing, an automatic duplex option is available for the magicolor 2530 DL. It installs on the side of the printer and adds very little width to the footprint of the printer. To support full-color duplex printing on all page sizes, an additional 128 MB of memory is required for 600 x 600 dpi resolution and 1200 x 600 dpi resolution; an additional 256 MB of memory is required for 2400 x 600 dpi resolution.

500-sheet Cassette

An optional 500-sheet cassette can be added to the magicolor 2530 DL, increasing input to its maximum capacity of 700 sheets. The cassette accepts up to letter-size paper and attaches conveniently underneath the printer. Adding this option not only reduces the frequency of paper refills, but allows you to load more than one type of media in the printer   perfect for printing a mixture of regular documents, letterhead, forms, and preprinted stock.
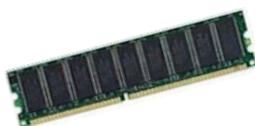
Memory

The magicolor 2530 DL has one slot available for memory. Memory can be upgraded to 576 MB using 64 MB, 128 MB, 256, and 512 MB SDRAM. Additional memory can improve the printer s performance, especially in a network environment, and enables printing at the highest resolution when using the automatic duplex option.

Extended Warranties

To further ensure trouble-free operation and to maximize the capabilities of your printer, KONICA MINOLTA offers multiple extended warranty options for the magicolor 2500 Series printers, including 1- and 2-year extended exchange warranties, and 1- and 2-year on-site service upgrades.

KONICA MINOLTA