magicolor® 3100 Print System

PRISMLASER TECHNOLOGY™

magicolor 3100

Single-pass, tandem color laser printer
16 ppm color, black and white
1200 x 1200 dpi resolution
Built-in, automatic duplexing

DIGITALFOCUS
EXCELLENCE IN IMAGING
2002 – FINALIST

February 23, 2002
magicolor 3100
MINOLTA-QMS

PC WORLD
TOP10
PRINTERS

August 2002
magicolor 3100

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The essentials of imaging

The speed you need for business
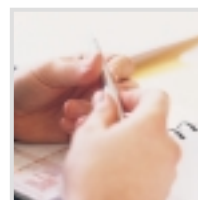
Color Beyond the Limit

The **magicolor 3100** is a tandem color laser printer built to outperform black and white. It can print up to 16 ppm in both full color and monochrome, making it the fastest magicolor laser printer yet. The **magicolor 3100's** performance is the result of an innovative print method called PRISMLASER Technology™ that guarantees speed and precision.

Business Basics

- Built into the **magicolor 3100** is an **automatic duplexer** for convenient, two-sided printing.

- The **magicolor 3100** includes a high-speed, **10/100BaseTX Ethernet®** interface providing seamless access to everyone on the team.

- The **magicolor 3100** holds up to 1,600 sheets of paper with the optional **1,000-sheet high capacity feeder**.

- The **magicolor 3100** supports custom paper sizes from large **banner** (8.5" x 35.4") to small **postcard** (3.5" x 5.5").

Performance a Step Ahead

- **16 color or black-and-white pages per minute**—it's a performance breakthrough in color laser technology.

- The **magicolor 3100** is a smart investment. It can serve as a workgroup's primary printing resource and its daily operating costs are extremely affordable.

- Based on **PRISMLASER** Technology and a **Crown® III** operating system, the **magicolor 3100** delivers accurate, brilliant color fast.

Quality and Reliability

- With its **"tandem"** one-pass technology, the **magicolor 3100** delivers exacting color and reliable performance every time.

- Out of the box, the **magicolor 3100** prints **1200 x 1200 dpi** at full speed to give both general business and specialty documents an outstanding appearance.

magicolor 3100

magicolor 3100 with High-Capacity Feeder

basics

options

Consumables

- Easily accessible, high-capacity consumables

Duplexer

- Automatic duplexing to easily create brochures, newsletters, and reports

Print speed

- simplex: up to 16 ppm color and b&w
- duplex: up to 5 ppm color and b&w

Memory

- 256 MB RAM

Printer emulations

- PostScript® 3, PCL® 6, PDF, HP-GL

Paper size and input

- up to legal (8.5" x 14") through cassette
- up to 8.5" x 35.4" through multipurpose
- 100-sheet multipurpose tray
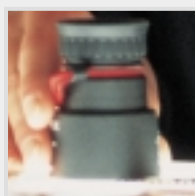- 500-sheet cassette

Printer management

- Internal Hard Disk (up to 2.2 GB) For fonts and forms storage, job spooling and expanded virtual memory.

Memory

- Upgradeable to 512 MB

Paper input

- 1,000-sheet high-capacity input feeder

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magicolor 3100 Print System – Technical

Printing Process

Print Method: electrophotographic tandem laser
Print Speed (simplex): Up to 16 ppm monochrome and color
Print Speed (duplex): Up to 5 ppm monochrome and color (10 faces/minute)
First Print Output Time: 17 seconds from an idle, ready state
Resolution: 1200 x 1200 dpi
Maximum Duty Cycle: Up to 60,000 pages/month

Hardware and Software Capabilities

Processor Type: QED 7065a R5000 RISC processor, 350 MHz
Memory: 256 MB. Upgradeable to 512 MB RAM
Internal IDE Hard Disk: (optional) Used for fonts and forms storage, job spooling, accounting, and expanded virtual memory—up to 2.2 GB supported
Printer Emulations:
Standard: PostScript 3, PCL 6, PDF (optional internal HDD recommended), HP®-GL, Line printer
Optional: CGM, ImageServer® supports bi-level CCITT Group 3 and 4 compressed TIFF and CALS Raster, PostScript Level 2/CCITT, and high-performance Group 3 and Group 4
Color Support: QCOLOR™ automatic color correction; SWOP, Eurocolor, Commercial press simulations; Built-in Color Rendering Dictionaries; PANTONE® Color tables; ICC-compliant profiles for ColorSync and ICM; Automatic Image Calibration

Interface Support

Simultaneous Interface Operation: All interfaces receive data simultaneously
Standard Interfaces:
CrownNet® for Ethernet (10BaseT/100BaseTX): supports NetWare® IPX/SPX; IPP; TCP/IP; EtherTalk®; OS/2 LAN Manager/LAN Server NetBEUI/NetBIOS; Windows® 95/98/Me/NT/2000/XP NetBEUI/NetBIOS
Bidirectional IEEE 1284 parallel: supports Microsoft® 'Plug and Play'
USB: supports Windows 98/Me/2000/XP, Mac OS 9, OSX
Optional Interfaces: CrownNet for Token-Ring (STP and UTP), CrownNet for Ethernet (10BaseT/100BaseTX), SCSI (for connection of an external hard drive)
Optional IBM® Interfaces: Ethernet, Token-Ring, Coax, or Twinax for IBM IPDS; Coax or Twinax for non-IPDS (SCS)

Paper Handling

Paper Sizes Support:
Standard cassette: Letter, A4, Legal, Executive, A5, B5 (JIS), Folio
Multipurpose tray: Letter, A4, Legal, Executive, Statement, A5, B5 (JIS), B5 (ISO), Folio; Com10, DL, Monarch, C5, and C6 envelopes; Custom paper sizes from 3.5" x 5.5" (89 mm x 140 mm) up to 8.5" x 35.4" (216 mm x 900 mm)
High-capacity feeder (optional): Letter, A4, Legal, Executive, A5, B5 (JIS), Folio
Standard Paper Input: 500-sheet cassette, 100-sheet multipurpose tray
Optional Paper Input: 1,000-sheet high-capacity input feeder
Paper Output: 250-sheet face-down output bin
Duplexing: (standard) automatic

Model Specific Features

Features/Model	magicolor 3100 DN
Print Speed - Monochrome	up to 16 ppm
Print Speed - Color	up to 16 ppm
Resolution	1200 x 1200 dpi
RAM Memory	256 (max. 512 MB)
IDE Hard Disk (minimum 1GB)	○
10BaseT/100BaseTX Ethernet	●
500-Sheet Input Cassette	●
100-Sheet Multipurpose Tray	●
1,000-Sheet Input Feeder	○
Automatic Duplexing	●

○ Optional   ● Standard

Printable Area: .16" (4 mm) from all edges
Maximum printable area: 8.18" x 35.12" (207.9 x 892 mm)
Print Media: Plain paper, transparencies, laser-quality labels, glossy stock, thick stock, Com10, DL, Monarch, C5, and C6 envelopes. Duplexing on plain paper only
Paper Weights: Standard Cassette: 16-28 lb. Bond (60 to 105 g/m²)
Multipurpose tray: 16-20 lb. Bond (60 to 85 g/m²), up to 80 lb. Cover/110 lb. Index (216 g/m²)
Banner Printing Paper Sizes: Up to 8.5" x 35.4" (216 mm x 900 mm)
Banner Printing Paper Weights: For media lengths from 14" to 35.4" (355.6 to 900 mm) 20-28 lb. (64 to 105 g/m²)
Auto Duplex Paper Sizes: minimum: A5 (149 mm x 210 mm), maximum: legal (8.5" x 14", 215.9 mm x 355.6 mm)
Auto Duplex Paper Weights: 20-28 lb. (64 to 105 g/m²)

Physical

Type: Laser printer with internal controller
Dimensions (W x D x H):
17.3" x 25.1" x 17.5" (439 x 638 x 445 mm)
Weight: w/o consumables - 64.2 lbs. (29.2 kg), w/ consumables - 76.8 lbs. (34.9 kg), as shipped - 101.2 lbs. (46 kg)

Electrical

Power Requirements:
100V/120V Models: 90-140 VAC, 50/60 Hz, ± 3%
220/240V Model: 198-264 VAC, 50/60 Hz, ± 3%
Power Consumption: Operating: 850 W maximum, 450 W average
Energy Star* Compliant: 27.1 W

Environmental

Temperature Requirements: Operating: 41° to 89.6° (5° to 32° C)
Non-Operating: -2° to 104° (-20° to 40° C)
Humidity: Operating: 15 to 85% RH, non-condensing
Non-Operating: 5 to 85% RH, non-condensing
Noise Level: Operating: <55 dBA; Standby: <35 dBA

Regulatory/Safety Conformity

UL, cUL, FCC-B, DOC, CDRH, CE Marking, C-Tick

Consumables

A complete set of consumables is included with the magicolor 3100
Monocomponent toner cartridges
Black toner yields: up to 8,500 pages @ 5% coverage
Cyan, magenta, yellow toners yield: up to 6,000 pages @ 5% coverage
Other supplies: Transfer unit, imaging unit, fuser kit

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 consumables life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous (average of 4 pages/job) or intermittent (1 page/job) printing, number of color planes, ambient temperature and humidity.

Typefaces

137 resident PostScript fonts, 89 PCL fonts, 40 HP-GL fonts, Kanji font options

Warranty

1 year

MINOLTA QMS

PN: mc3100Ss07_02