



Technical magicolor® 3100 Print System

Printing Process

Print Method:
electrophotographic tandem laser

Print Speed (simplex):
Up to 16 ppm monochrome and colour

Print Speed (duplex):
Up to 5 ppm monochrome and colour (10 faces/minute)

First Print Output Time:
17 seconds

Resolution:
1200 x 1200 dpi

Maximum Duty Cycle:
Up to 60,000 pages per month

Hardware and Software Capabilities

Processor Type:
QED 7065a R5000 RISC Prozessor, 350 MHz 64-Bit

Memory:
256 MB. Upgradeable to 384 MB RAM

Internal IDE Hard Disk (optional):
Used for fonts and forms storage, jobspooling, accounting, and expanded virtual memory—up to 2.2 GB supported

Printer Emulations:
Standard: PostScript™ Level 3, PCL* 6, PCL* 5/GL2 PDF, HP*GL, Line printer
Optional: CGM, LNO3™ Plus, ImageServer* supports b-level CCITT Group 3 and 4 compressed TIFF and CALS Raster, PostScript™ Level 2/CCITT, and high-performance Group 3 and Group 4, monochrome only

Colour Support:
QCOLOUR™ automatic colour correction; SWOP, Eurocolour, Commercial press simulations; Built-In Colour Rendering Dictionaries: PAN-TONE™ Colour tables; ICC-compliant profiles for ColourSync and ICM; Automatic Image Calibration

Interface Support:

Simultaneous Interface Operation:
All inter faces 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

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, Japanese post-cards, Custom paper size. High-capacity feeder (optional): Letter, A4, Legal, Executive, A5, B5 (JIS), Folio

Model specific features

Features/Model	magicolor® 3100
Print Speed - Monochrome	up to 16 ppm
Print Speed - Colour	up to 16 ppm
Resolution	up to 1200 x 1200 dpi
RAM Memory	256 (max. 384 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

Standard Paper Input:
500-sheet cassette, 100-sheet multipurpose tray

Optional Paper Input:
1,000-sheet high-capacity input feeder (2x 500 sheets)

Paper Output:
250-sheet face-down output bin

Duplexing:
(standard) automatic

Printable Area:
4 mm from all edges
Maximum printable area: 207.9 x 347.6 mm

Print Media:
Plain paper, transparencies, laser-quality labels, glossy stock, thick stock, postcards, envelopes. Duplexing on plain paper only

Paper Weights:
Plain paper: Bond 60 to 85 g/m² Thick stock: up to 216 g/m² (80 lb. Cover / 110 lb. Index)

Physical

Type:
Laser printer with internal controller

Dimensions (W x D x H):
439 x 638 x 445 mm

Weight:
without consumables - 29.2 kg,
with consumables 34.9 kg,
as shipped - 46 kg

Electrical

Power Requirements:
100V/120V Models: 90-140 VAC, 50/60 Hz, ± 3%
220V/240V Model: 198-264 VAC, 50/60 Hz, ± 3%
Power Consumption: maximum 850 W

Standby:
180W or less
Energy Star* Compliant - 45W or less

Environmental

Temperature Requirements:
Operating: 5° to 32° C (41° to 89.6°)
Non-Operating: -20° to 40° C (-2° to 104°)

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

Consumables¹

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: up to 25,000 prints
Imaging unit: up to 30,000 prints
Fuser kit: up to 100,000
Maintenance kit 300,000

Typefaces

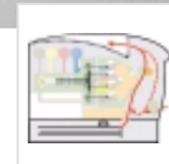
137 resident PostScript™ fonts, 46 PCL* Fonts, 40 HP* GL Fonts

Warranty

1 year

¹ 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 or intermittent printing, number of colour planes, ambient temperature and humidity.

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* 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.



www.minolta-qms.co.uk

- 16ppm desktop colour laser printer
- 1200 x 1200 dpi
- Standard double sided printing
- Low running costs



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The colour laser printer that speeds up your business



basics

options

Colour Beyond the limit

The **magicolor® 3100 Print System** is a tandem colour laser printer built to outperform black and white. It can print up to 16 ppm in both full colour and monochrome, making it one of the fastest desktop colour lasers yet.

The **magicolor® 3100's** performance is the result of an innovative print method called **PRISMLASER Technology™** that guarantees speed and precision. Performance aside, the **magicolor® 3100** has everything a business needs for peak production. These features include built-in networking, automatic colour control, and some of the most useful self-help tools to guide users through every step of the printing process.

magicolor® 3100 Print System basics:

- A4 colour laser printer with built in, **automatic duplexing**
- print speed (simplex): **Up to 16 ppm monochrome and colour**
- print speed (duplex): **Up to 5 ppm monochrome and colour**
- **256 MB RAM** Memory (max. 384 MB)
- Standard Paper Input: 600-sheet cassette
- Paper Weight up to 216 g/m²
- Standard **10BaseT/100BaseTX Ethernet**
- Powerful **350 MHz RISC-Processor**
- **Crown III** for fast and optimized Printing in Networks
- **PRISMLASER Technology™** allows the printer to print all 4 colours Cyan, Magenta, Yellow and black at the same time.
- Easy accessible, **high-capacity consumables**

Consumables

- Easy accessible, high-capacity consumables

Print speed

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

Duplexer

- Automatic Duplexing to easily create brochures, newsletters and reports

Memory

- 256 MB RAM

Printer emulations

- PostScript™ Level 3, PCL® 6, PDF, HP-GL

Paper Size and input

- up to A4 (210 x 297 mm)
- 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 384 MB

Paper Input

- 1000-sheet high-capacity input feeder

Performance a Step Ahead

PRISMLASER Technology™ allows the printer to print all 4 colours Cyan, Magenta, Yellow and Black at the same time, mixing these to make 16.7 million colours available for printing. Because the image is prepared for printing in a single unit, problems aligning the cyan, magenta, yellow and black dots have been overcome, even at very high speeds. The result is that the **magicolor® 3100** consistently produces 16 full colour laser quality prints a minute.

Microfine PhysicoChemical Toner a special Microfine Toner has been developed for the **magicolor® 3100** printer. The toner has special properties which reduce toner wastage and minimise printer cleaning requirements. The low fusing temperature toner combines with special chemical developer embedded in the **PRISMLASER** to ensure the best high speed print quality while dramatically reducing the printers power consumption.

magicolor® 3100 Print System options:

- **Internal hard disk kit** – for extended print management features
- **Memory upgrade kit**
- **Warranty:** 1 year on-site



With the **PRISMLASER Technology™** the printer print all 4 colours cyan, magenta, yellow and black at the same time.



Smaller particle, uniform in size & shape. Produces finer lines, more detailed lines and better halftones.



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