KONICA MINOLTA

magicolor 7450II GA

Your professional for graphic design

magicolor 7450II GA

Colour printer 25/25 ppm

Built for one purpose:
creative colour quality

The new magicolor 7450II GA is especially designed for the graphic arts business. As a professional in this field, vibrant photorealistic colour quality is essential for you! Whether you're a graphic artist, a designer or responsible for the art work in an advertising agency or design studio – you are well aware of the importance colour quality has for virtually all materials that you or your company create. With the magicolor 7450II GA, Konica Minolta introduces a top-performance A3+ colour printer designed especially for the creative sector.

magicolor 7450II GA

- With its single-pass tandem engine the magicolor 7450II GA delivers fast 25 A4 or 13 A3 prints per minute in colour as well as in black and white. Offering up to four paper feeders and optional duplex it is equipped for high flexibility and smooth processing of the most diverse jobs.

- Powerful performance is ensured with Konica Minolta's unique Emperon™ Print controller with fast 733MHz. The magicolor 7450II GA has 768 MB standard and 1,024 MB max. RAM, and is generously equipped with a 40 GB standard hard disk and a 1 GB network connection for fast throughput of jobs from the PC and Mac via its standard PCL and PostScript 3 capabilities.

magicolor 7450II GA
with duplexer

magicolor 7450II GA
with duplexer and
simple cabinet

magicolor 7450II GA
with duplexer,
3 lower paper feeder
and casterbase

Outstanding quality & advanced technology

The magicolor 7450II GA impresses with its quality-enhancing technologies: Four dual-beam lasers ensure highest precision and reliable stability in image writing. Thanks to 9600 PhotoART it prints with 4bit contone, achieving an amazing 4096 colours per dot and with that considerably increased differentiation. True colour mixing is thus available, with smooth gradations and less visible raster.

The extremely fine and uniform particles of Simitri®, Konica Minolta's unique polymerised toner, ensure that high quality digital images are printed with great precision and yet surprisingly economically. Thanks to Simitri, text is crisp and sharp while colours are vibrant and offset by a deep, true black. At the same time Simitri® is much kinder to the environment than many other brands: toner consumption is convincingly low and the production process is eco-friendly.

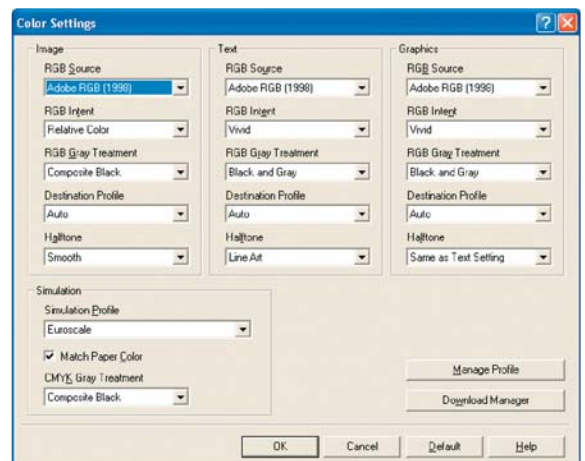# Professional media flexibility

The top performance and high-quality print results of the magicolor 7450II GA are also due to its superior paper processing capabilities. They make this printer an ideal solution for the production of an extensive range of print products on a wide variety of materials, including concept books, customer presentations, photo prints, proofs, to name but a few.

The magicolor 7450II GA offers versatility with regard to size, processing formats from A6 to A3+ (311 x 457 mm) as well as banners of up to 297 x 1,200 mm. With paper weights ranging from 64 to 256 gsm the magicolor 7450II GA is perfectly suitable for the production of artwork and layouts for customer presentation folders. The whole range, including the 256 gsm thickness, can also be automatically duplexed. Varied media types, including thick paper, coated stock, glossy paper, labels and more, can be processed via the 250-sheet multipurpose feeder and the 100-sheet multi manual feed tray.

The printer's convenience with regard to media processing doesn't end there: A special A3+ wide-print mode only leaves a minute non-printable area of just 2mm on all edges. This is especially helpful for proofing, as it provides ample room at the edge for notes and instructions.

magicolor 7450II GA

Comprehensive colour management

Graphic artists and design studios will appreciate the high degree of control over any colour workflow, the accurate colour reproduction and the wide range of simulations, including for example proofing for offset production. ICM (Windows) and ColorSync (Apple) are supported, as well as ICC workflows for press simulations. In addition, RGB source profiles, simulation profiles and magicolor 7450II GA specific Pantone® colour tables are available, and custom profiles can be uploaded. Independent object-based colour setting is possible for documents containing photos, graphic elements and text. Especially convenient, easy-set makes the saving of job settings, including all colour adjustments, simple and straightforward and offers instant recall whenever a specific setting is needed again.

Via eAIDC – or enhanced Automatic Image Density Control – calibration of the magicolor 7450II GA is completely automatic; and consequently is absolutely reliable. For calibration, toner is applied to the transfer belt and the amount measured. The magicolor 7450II GA then automatically adjusts possibly too high or too low toner levels. This automatic calibration of the colour density is essential for high-quality colour output that remains consistent from the first print to the last, and for job after job.

Technical specifications

Print process

Print method
Desktop tandem full colour
A3 laser beam printer

Print speed A4
25 ppm colour
25 ppm monochrome

Print speed A3
13 ppm colour
13 ppm monochrome

First page out
11.5 seconds colour
9.5 seconds monochrome
(standard plain paper)

Warm-up time
99 seconds or less

Max. resolution
PhotoART 9600
(600 x 600 x 4 bit contone)

Duty cycle
120,000 pages per month

Hardware and software capabilities

Processor
freescale PowerPC7447A
@ 733MHz

Memory
768 MB standard, 1,024 MB max.

Hard disc (HDD)
40 GB standard

Printer emulations
PostScript 3 (3016), PCL 6 (XL3.0)
PCL 5e/c

Direct Print
PDF (Version 1.6), JPEG, TIFF

Printer Management
PageScope® NetCare
PageScope® Web Connection
(embedded web server)
PageScope® Network Setup
PageScope® EMS Plug-in
PageScope® Plug and Print
PageScope® NDPS Gateway
PageScope® Direct print

Colour simulations

SWOP, Commercial Press, Eurocolor,
DIC, TOYO Japan color, JMPA color,
SNAP PANTONE® colour tables, ICC
device profiles

Fonts
137 standard PostScript fonts
93 PCL scalable fonts
51 symbol sets
10 standard line printer fonts

Interface support

10-/100-/1000-Base-T Ethernet
supports TCP/IP, EtherTalk, IPX/SPX,
NetBEUI, IPP 1.1, UDP, SNMP, HTTP,
HTTPS (for PS Web Connection only)
USB 2.0 (High-Speed)
PictBridge (Digital camera via
USB host)

Operating system compatibility

Windows®
2000, 2003, XP, XP64, Vista 32/64

Macintosh®
OS X (10.2, 10.3, 10.4, 10.5)

Linux
Redhat v9.0, SuSE v8.2

Netware
Netware 4, 5, 6 or later

Paper handling

Standard paper input
250-sheet multipurpose feeder
100-sheet multi manual feed tray

Standard paper output
350-sheet face down output tray

Optional paper handling
500-sheet lower paper feeder
(up to 3 units)

Printable area
4 mm right/ left
4,2 mm top/bottom (A4)
2 mm from all edges (A3W)

Media sizes supported

A3, A3 Wide (311x457), A4, B5,
B5(ISO), A5, A6, B6, B4, D8K, Ledger,
Legal, Letter, G-Letter, Statement,
Executive, Folio, UK Quatro, Foolscap,
G-Legal, 4" x 6", 12" x 18", custom
(90–311 x 140–1,200mm)

Envelope sizes supported
Com10, C5, C6, DL, Monarch

Banner sizes supported
210 x 458 to 297 x 1,200 mm

Media weights supported
plain paper (64–90 gsm)
thick paper 1 (91–150 gsm)
thick paper 2 (151–209 gsm)
thick paper 3 (210–256 gsm)

Duplexing support (optional)
A5–A3 Wide
64–256 gsm

Print media supported
Plain paper, thick paper, recycled
paper, transperency, letterhead,
envelope, glossy paper, labels

Physical

Dimensions (D x W x H mm)
648 mm x 606 mm x 477 mm

Weight
51 kg without consumables
78 kg packaged to ship

Electrical

Input voltage range
220 V ~ 240 V (± 10%)

Frequency
50 ~ 60 Hz (± 3 %)

Power consumption
Max. 1,450 W or less
Average during printing 750 W or less
Standby 130 W or less
Enery saving 28 W or less

Environmental

Temperature
10 ~ 35° C

Humidity
15 % to 85 %

Noise levels
52 dB or less (A) (printing),
40 dB or less (A) (standby)

Regulatory/Safety conformity

Doc, CE Marking, GS, EMC, WEEE,
EcoMark

Consumables

Pre-installed
Toner
CYMK – yield up 3,000 pages

Imaging Unit
CYM – yield up to 30,000 pages
K – yield up to 50,000 pages

Replacements
Toner
CYM – yield up to 12,000 pages
K – yield up to 15,000 pages
Imaging Unit
CYM – yield up to 30,000 pages
K – yield up to 50,000 pages
Waste toner bottle
yield up to 18,000 pages

Maintenance parts

Transfer roller and Ozone filter
Yield up to 120,000 pages

Transfer belt
Yield up to 120,000 pages

Fuser unit
Yield up to 120,000 pages

Pick roller
Yield up to 200,000 pages

Warranty period and conditions

1 year on-site warranty
(within EU; local law applies)

- All specifications relating to paper capacity refer to A4-size paper of 80 gsm quality.
- All specifications relating to printing speeds refer to A4-size paper that is printed crosswise in multipage, simplex mode.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications, network protocols as well as network and system configurations.
- The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5 % coverage of 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, ambient temperature and humidity.
- Some of the product illustrations contain optional accessories.
- Specifications and accessories are based on the information available at the time of printing, and are subject to change without notice. Konica Minolta does not warrant that any prices or specifications mentioned will be error-free.
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