



KONICA MINOLTA

Giving Shape to Ideas

magicolor 1680MF magicolor 1690MF

Your smart colour **all-in-one**



The magicolor 1680MF and magicolor 1690MF are Konica Minolta's compact colour all-in-ones and the perfect communication wizards for your home office or small business. Much more affordable than separate devices, each gives you everything you need in a single space-saving system. Both are Windows and Mac compatible, and thanks to their low operating noise are ideal desktop devices that you can comfortably work side by side with.

- **Versatile configurations** – Select the system of your choice from four different configurations: The magicolor 1680MF provides printing, copying and scanning. The magicolor 1690MF combines network printing, copying, scanning, and fax capabilities and features a standard automatic document feeder. All this plus double-sided printing is available with the magicolor 1690MF-d. As a comprehensive network colour printer, copier, scanner and fax the magicolor 1690MF-dt also offers duplex plus an extended paper capacity for bigger jobs and higher volumes.
- **Powerful printing** – With 5 colour and 20 b/w pages per minute, the magicolor 1680/1690MF capably handle all your office documents, including presentations as well as business cards, signs and sales support items. Simitri® HD polymerised toner and the resolution of 600 x 600 dpi x 1 bit ensure a consistently high print quality. Flexible media processing includes paper weights between 60 and 209 gsm as well as thick paper, labels, envelopes, and recycled paper. Double-sided printing helps you save paper and reduces filing space. If you need to produce bigger volumes, simply extend the standard 200 sheet paper capacity with the lower paper feeder to a generous 700 sheets.
- **Flexible copying and scanning** – Different copy modes for text, photos and mixed originals always ensure optimal quality. Two separate start buttons provide an instant choice between colour and b/w copying. You can flexibly select up to 99 copies and reduce or enlarge pages in convenient 1% steps from 50% to 200%. In addition to convenient scanning to PC, take advantage of the standard LinkMagic software to scan images and save them to any directory on the hard disk of your computer. With its full network compatibility the magicolor 1690MF also lets you scan originals directly to e-mail or a shared folder on your PC.
- **Extended capabilities** – For convenient fax communication, go for the magicolor 1690MF. It boasts a fast transmission speed of just 3 seconds per page, has 220 speed dials and lets you define up to 20 groups with max. 50 stations each. At the same time the magicolor 1690MF features Ethernet and is fully network compatible.
- **High user comfort** – The magicolor 1680MF and magicolor 1690MF are experts in ease of use. With their compact design and small footprint, they easily integrate into any office setting, even where space is limited. Both feature a large, easy to read display and convenient access from the front for the straightforward exchange of consumables. The automatic document feeder on the magicolor 1690MF makes copying or faxing multi-page documents fast and smooth.

magicolor 1680MF 

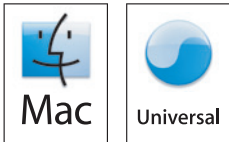
magicolor 1690MF 

All-in-one 5/20 ppm



KONICA MINOLTA

Simitri HD
High Definition Polymerised Toner



Technical specifications

Print process

Print method
Desktop full colour, A4 laser beam

Print speed A4
Up to 20 ppm monochrome
Up to 5 ppm colour

First page out
14 seconds monochrome
23 seconds colour

Warm-up time
Average 30 seconds

Max. resolution
1,200 dpi x 600 dpi x 1 bit

Print volume
550 pages per month (average)

Print functions

Autozoom, N-up, poster mode, booklet, watermark, quality adjustment, overlay, collating

Copy process

Copy speed
Up to 20 cpm monochrome
Up to 5 cpm colour

First copy out
23 seconds monochrome
52 seconds colour

Copy resolution
600 dpi x 600 dpi x 1 bit

Copies
1–99

Zoom range
50–200% (by 1% step)

Copy functions
magicolor 1680MF: ID card copy
magicolor 1690MF: ID card copy, 2in1, collate, duplex copy

Scan process

Scan technology
CIS image sensor, flat bed

Scan speed
Up to 20 opm monochrome
Up to 3.3 opm colour

Resolution
600 x 600 dpi

Scan size
Max. A4, custom formats

Scan Modes
magicolor 1680MF: TWAIN scan
magicolor 1690MF: Windows WIA scan

magicolor 1690MF:

Scan-to-Email
Scan-to-FTP
Scan-to-USB
Scan-to-SMB
TWAIN scan
Windows WIA scan

File Formats
PDF, TIFF, JPEG

Fax process*

Send and receive with internal fax module

Modem speed

33.6 Kbps V.34

Transmit speed

3 sec/page (at V.34)

Fax compression

MH, MR, MMR, JBIG

Speed dial

220

Group dial

20 groups
(max. 50 stations for one group)

Fax functions

Receipt to e-mail, auto redial, broadcast (maximal 236 destinations), timer transmission, PC-Fax

Hardware and software capabilities

Memory
magicolor 1680MF: 64 MB
magicolor 1690MF: 128 MB

Interface support

magicolor 1680MF: USB 2.0 (high-speed)
magicolor 1690MF: 10-Base-T/100-Base-TX Ethernet, USB 2.0 (high-speed)

Operating system compatibility

Windows
2000, Server 2003 (32/64), XP (32/64), Vista (32/64)

Macintosh
OSX 10.2 or later

Paper handling

Standard paper input magicolor 1680MF, 1690MF & 1690MF-d
200 sheet multi manual feed tray

Standard paper input magicolor 1690MF-dt
200 sheet multi manual feed tray
500 sheet lower paper feeder

Standard paper output

100 sheet face down output tray

Optional paper handling
500 sheet lower paper feeder (only for magicolor 1690MF)

Media sizes supported
A4, A5, B5, letter, legal, envelope C6, envelope DL, custom size 92–216 mm x 184–356 mm

Duplexer sizes supported
A4

Printable area
Approx. 4 mm from all edges

Paper weights
Plain paper (60–90 gsm)
Recycled paper (60–90 gsm)
Thick paper 1 (91–163 gsm)
Thick paper 2 (164–209 gsm)

Print media
Plain paper, recycled paper, envelope, labels, postcard, thick paper, letterhead

Physical

Dimensions (W x D x H in mm)

magicolor 1680MF:
405 mm x 427 mm x 375 mm

magicolor 1690MF:
405 mm x 427 mm x 432 mm

magicolor 1690MF-d:
405 mm x 451 mm x 493 mm

magicolor 1690MF-dt:
405 mm x 565 mm x 548 mm

Weight
magicolor 1680MF:
19.2 kg with consumables

magicolor 1690MF:
20.8 kg with consumables

magicolor 1690MF-d:
24 kg with consumables

magicolor 1690MF-dt:
26.3 kg with consumables

Electrical

Input voltage range

220 ~ 240 V (± 10%)

Frequency
50 ~ 60 Hz (± 3%)

Power consumption

410 W or less
(average colour printing)
560 W or less
(average monochrome printing)
170 W or less
(stand by)
14 W or less
(energy save mode)

Environmental

Temperature

10 ~ 35 °C

Humidity

15 ~ 85% RH

Noise levels

magicolor 1680MF:
50 dB or less printing/copying

38 dB or less standby

magicolor 1690MF:
49 dB or less printing

52 dB or less copying

38 dB or less standby

Regulatory/Safety conformity

Doc, CE Marking, GS, EMC, WEEE, Energy Star (magicolor 1690MF)

Consumables

Pre-installed

Toner:
Cyan, magenta and yellow toner yield up to 500 pages

Black toner yield up to 1,000 pages
Imaging unit
(waste toner bottle included):
Monochrome yield up to 45,000 pages
Colour yield up to 11,250 pages

Replacements

Toner:
Standard: Cyan, magenta and yellow toner yield up to 1,500 pages

High capacity: Cyan, magenta, yellow and black toner yield up to 2,500 pages
Imaging unit
(waste toner bottle included):
Monochrome yield up to 45,000 pages
Colour yield up to 11,250 pages

Fuser unit

Yield up to 50,000 sheets

2nd transfer unit

Yield up to 50,000 sheets

Maintenance parts

Fuser unit

Yield up to 50,000 sheets

2nd transfer unit

Yield up to 50,000 sheets

Warranty period and conditions

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

* For magicolor 1690MF

- 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 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.
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Your Konica Minolta Business Solutions Partner:



Konica Minolta
Business Solutions Europe GmbH
Europaallee 17
30855 Langenhagen • Germany
Tel.: +49 (0) 511 74 04-0
Fax: +49 (0) 511 74 10 50
www.konicaminolta.eu