



KONICA MINOLTA

The essentials of imaging



# magicolor 1680MF magicolor 1690MF

## Compact **all-in-one** A4 colour laser printers

The magicolor 1680MF and magicolor 1690MF are the ideal compact colour all-in-ones for a small office network or a single user. Much more affordable than separate devices, the four different configurations will provide everything you need in a single space-saving system. Both models are Windows and Mac compatible, and with their low operating noise make ideal desktop devices for small offices and single users.

- **Versatile configurations** – Choose from four different configurations: The magicolor 1680MF provides printing, copying and scanning. The magicolor 1690MF combines network printing, copying and scanning with a fax, plus it features a standard Automatic Document Feeder (ADF). All this plus double sided-printing is offered on the magicolor 1690MF-d. The magicolor 1690MF-dt is the most comprehensive configuration, with a network colour printer, copier, scanner and fax, double-sided printing plus an extended paper capacity for higher volume print jobs.
- **Powerful printing** – The magicolor 1680/1690MF is capable of handling all of your document requirements including business cards, envelopes, labels, signs and point of sale material. Print on thin paper from 60 gsm up to thick paper up to 209 gsm, with speeds of five pages per minute in colour, and 20 pages per minute in black and white. Simitri® HD toner produces consistently high quality prints with an enhanced fine contone resolution of 600 x 600 dpi. To produce bigger print volumes, simply extend the standard 200-sheet paper capacity with a lower paper feeder to a generous 700 sheets. The automatic document feeder on the magicolor 1690MF makes copying or faxing multi-page documents fast and smooth.
- **Flexible copying and scanning** – Different copy modes for text, images and text-image combinations always ensure optimal quality. Two separate start buttons provide an instant choice between colour and black and white copying. LinkMagic software provides a convenient scan-to-PC function, allowing saving scanned documents to any directory on the hard disk of your computer. Enjoy the benefits of network compatibility on the magicolor 1690MF by scanning originals directly to e-mail or a shared folder on your PC.
- **Extended fax capabilities** – For convenient fax communication the magicolor 1690MF is an ideal solution. It has a fast transmission speed of just 3 seconds per page, has 220 speed dials and lets you define up to 20 groups. Being fully network compatible, the all-in-one printer also benefits from an Ethernet connection.
- **High user comfort** – The magicolor 1680MF and magicolor 1690MF are designed for the ultimate ease of use. With their compact design and small footprint they are ideal where space is limited. Both feature a large, easy to read display and convenient access from the front for straightforward replacing of consumables.

magicolor 1680MF 

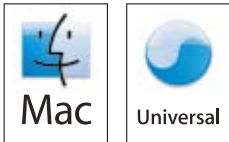
magicolor 1690MF 

All-in-one 5/20 ppm



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**Simitri HD**  
High Definition Polymerised Toner



## Technical specifications

### Print process

**Print method**  
Tandem full colour, A4 laser printer

**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 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**  
CCD Image sensor, flat bed

**Scan speed**  
1.42 ms/line monochrome  
4.26 ms/line 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-E-mail  
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

### Duplex 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:**  
52 dB or less printing  
35 dB or less standby

**magicolor 1690MF:**  
57 dB or less printing  
35 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):  
Black yield up to 45,000 pages  
Cyan, magenta and yellow 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):  
Black yield up to 45,000 pages  
Cyan, magenta and yellow yield up to 11,250 pages

### 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.
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