



KONICA MINOLTA

The essentials of imaging



# magicolor 1680MF magicolor 1690MF

Your smart colour all-in-one

All-in-one 5/20 ppm

magicolor 1680MF and 1690MF



# One compact system for your every need

As compact multifunctionals the magicolor 1680MF and magicolor 1690MF are perfect communication wizards for your home office or small business: With the magicolor 1680MF you get printing, copying and scanning in a single system, while the magicolor 1690MF gives you faxing and full network capabilities on top. Not only does that save you space, it is also much more affordable than buying four separate devices!

Configuration	magicolor 1680MF	magicolor 1690MF	magicolor 1690MF-d	magicolor 1690MF-dt
Print/Copy/Scan	x	x	x	x
Fax		x	x	x
Network capability		x	x	x
Automatic document feeder		x	x	x
Duplex			x	x
200 sheet paper feeder	x	x	x	x
500 sheet lower paper feeder				x

Uncomplicated to use, these flexible all-in-ones for Windows and Mac are your perfect choice to produce and manage the diverse documents and communication you have to deal with every day. With their speed of 5 colour or 20 b/w pages per minute and their comfortably quiet operation, they are just right for the small or home office. One of four preconfigured models is sure to satisfy your specific needs:

- For printing, copying and scanning choose the magicolor 1680MF.
- The magicolor 1690MF combines network printing, copying, scanning, and fax capabilities. It also features a standard automatic document feeder for easier handling of originals.
- If you want all this plus double-sided printing, go for the magicolor 1690MF-d.
- Finally, the magicolor 1690MF-dt is your comprehensive network colour printer, copier, scanner and fax with duplex capability and extended paper capacity for bigger jobs and higher volumes.



magicolor 1680MF  
standard



magicolor 1690MF  
standard



magicolor 1690MF-d  
with duplex unit



magicolor 1690MF-dt  
with duplex unit and  
lower paper feeder

## → Completely multifunctional

Whatever you want to do in your office – printing, copying, scanning or possibly faxing – you will find it easier to accomplish it with the magicolor 1680MF and magicolor 1690MF!

These versatile all-in-ones impress with highly flexible media handling and let you print what you like. They process paper weights between 60 and 209 gsm, including thick paper, labels, envelopes, and recycled paper. You can create your own presentations, posters, signs and other sales support items with them; print double-sided leaflets; and for higher volumes extend the paper capacity with the lower paper feeder to a generous 700 sheets. Use the poster function for special effects, blowing up photos on 4, 9, 16 or up to 25 A4 sheets. For downsizing, use the n-up function to combine between two and up to 16 pages on a single sheet!

Different copy modes on the magicolor 1680MF and magicolor 1690MF ensure optimal quality and include a text, a photo and a mixed mode. Two separate start buttons allow instant copying in colour or b/w – simply press the appropriate one and start saving money!

Both the magicolor 1680MF and 1690MF offer convenient scanning to PC. In addition, the standard LinkMagic software provides easy access to the most frequently used scanning applications. Scan images with LinkMagic 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.

On top, the magicolor 1690MF gives you the convenience of communication by fax. 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.

## → Ease of use

The magicolor 1680MF and magicolor 1690MF are both big on user comfort. With their compact design and small footprint, they are easily integrated into any office setting with limited space. 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.

## → Quality and economy

Whether in colour or black & white – the magicolor 1680MF and magicolor 1690MF impress with their brilliant image quality. This is ensured with Konica Minolta's Simitri® HD polymerised toner, which adds clarity and definition to the tiniest detail. At the same time their toner save mode lets you reduce toner consumption and save costs for example for test prints.

## → Clean Planet programme for the environment

In the interest of environmental conservation, Konica Minolta strives to reduce the impact of its products at each stage of the product lifecycle. As one aspect the Clean Planet programme gives you the opportunity to recycle your used toner cartridges for free. Cartridges are recycled efficiently and cleanly, preserving precious resources. Returning the cartridges is quick, easy and completely free for you!

**magicolor 1680MF** 

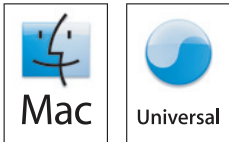
**magicolor 1690MF** 





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-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

**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

### 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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