



KONICA MINOLTA

# magicolor 1690MF

*Compact Colour All-in-One*

## Basic Features

### Memory

- 128MB standard

### Warm-up time

- Average 30 seconds

### Print Speed

- 20 ppm mono
- 5 ppm colour

### Print Quality

- 1200 x 600 dpi resolution

### Standard Interfaces

- 10-Base-T/100-Base-TX Ethernet, USB 2.0.

### Standard Paper Input

- 200 sheet multipurpose tray

### Operating System and Compatibility

- Windows 2000, Server 2003 (32/64), XP (32/64), Vista (32/64)
- Macintosh OS X 10.2 – 10.5

### Footprint (W x D x H mm)

- 405 mm x 427 mm x 432 mm

### Warranty

- 1-year on-site warranty



The essentials of imaging

magicolor 1690MF



# One compact system for your every need

As a compact multifunction printer, the magicolor 1690MF is the perfect communication wizard for your home office or small business: With the magicolor 1690MF you get printing, copying, scanning, faxing and full network capabilities in a single system. Not only will the magicolor 1690MF save you space, it is also much more affordable than buying four separate devices!

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

Uncomplicated to use, this flexible all-in-one for Windows and Mac is your perfect choice to produce and manage the diverse documents and communication you have to deal with every day. With its speed of 5 colour or 20 b/w pages per minute and its comfortably quiet operation, the magicolor 1690MF is just right for the small or home office. There are versatile options for the magicolor 1690Mf sure to meet your specific needs:

- Add an optional duplex unit for double sided printing.
- Add an optional duplex unit and optional lower feeder unit to make the magicolor 1690MF your comprehensive network colour printer, copier, scanner and fax.



magicolor 1690MF  
standard



magicolor 1690MF  
with optional duplex unit



magicolor 1690MF  
with optional duplex  
unit and optional 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 1690MF!

This versatile all-in-one impresses with highly flexible media handling and lets you print what you like. The magicolor 1690MF processes 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 1690MF ensures 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!

The magicolor 1690MF offers 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 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 1690MF is big on user comfort. Its compact design and small footprint means it can be easily integrated into any office setting with limited space. It features 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 1690MF impresses with its 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 the toner save mode lets you reduce toner consumption and save costs for example for test prints.

## → Cartridges for Planet Ark Program 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 Cartridges for Planet Ark program 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!





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**  
35,000 pages per month (max)

### 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**  
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

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**  
128 MB

**Interface support**  
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 10.2-10.5

### Paper handling

**Standard paper input magicolor**  
200 sheet multi manual feed tray

### 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)**  
405 mm x 427 mm x 432 mm

**Weight**  
20.8 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

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

### Consumables

#### Pre-installed

**Toner:**  
Cyan, magenta and yellow toner yield up to 500 pages  
Black toner yield up to 1,000 pages  
OPC Drum Cartridge (waste toner bottle included):  
Monochrome yield up to 45,000 pages  
Colour yield up to 11,250 pages

#### Replacements

**Toner:**  
Standard (yield up to 1,500 pages):  
Cyan - AOV30GK  
Magenta - AOV30AK  
Yellow - AOV305K

High capacity (yield up to 2,500 pages):

Cyan - AOV30HK  
Magenta - AOV30CK  
Yellow - AOV306K  
Black - AOV301K

OPC Drum Cartridge - AOVU0Y1 (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

- \* 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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