



MUTOH
Your Partner for Visual Communication

RJ-6100 Plus Series

6-Colour Piezo Electric Inkjet Printer Series



Media widths ranging from 1180 mm to 1574 mm

Automatic take-up system for unattended printing

Wide application range thanks to three different available ink sets

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Have you ever experienced that you cannot reproduce colours as desired or that you cannot make colours bright enough or that the printed colours do not match the original close enough?

Especially for you, Mutoh has developed the RJ-6100 Falcon Graphics Plus Six-Colour Piezo Inkjet Printers, with which you will be able to tackle the more demanding printing jobs: large-format reproduction of portrait photographs, hard proofs of 6-colour press printwork, prints with very strict colour requirements, ..., just pick the colour space and print.

Mutoh's RJ-6100 Plus printer series does more than deliver "nice" prints; it is the missing link in your high-end visual communication workflow.



6 Colours

CMYK + 2 extra colours for smoother colour transitions and wider colour gamut.

Hifi Photo Enhanced dye and pigmented ink sets allow you to achieve superior photo realistic quality with excellent skin tone reproduction. The addition of Light Cyan and Light Magenta to the "classic" CMYK inks drastically enhances continuous tone output showing smooth colour transitions, excellent pastel colours and reduced dot visibility, which vastly improves the image's appearance.



CMYK LCM Ink

Dye & Pigmented Ink



CMYK OG Ink

Pigmented Ink

Expanded gamut pigmented inks add Orange and Green as extra process colours to obtain a colour gamut far beyond the reach of 4 standard CMYK pigmented inks, vastly reducing the need for spot colours. An ideal solution for better colour matching, reproduction of particular bright colours and off-press hard copy proofing.

Mutoh's RJ-6100 Plus series printers allow you to select the ink type in function of your application. CMYK, Light Cyan, Light Magenta inks are available in both dye and pigmented versions. Orange and Green inks exist in pigmented version only. Our pigmented inks are ideal for long-term indoor presentations as well as for short-term outside signage.

Operation Ease Guaranteed

The control panel features an integrated LCD display and a positive touch keyboard with 3 operation modes:

- ✓ Direct Access mode to immediately address frequently used functions.
- ✓ Menu Operation mode to swiftly customise the advanced printer settings.
- ✓ Combination-key mode to access special functions.

The LCD at all times keeps the user up-to-date with all he/she needs to know.

Falcon Graphics Plus printers feature a complete set of directly accessible monitoring & recovery functions (nozzle inspection print, normal and powerful cleaning, washing, re-priming & ink-switching). Ink levels are continuously monitored by a 2-stage level sensing system, warning the user when an ink cassette is running low and halting the printer as soon as a cassette is empty. Switching ink cassettes is a matter of seconds. No mess, no loss of time, no lost prints!



Impressive Connectivity



The RJ-6100 Plus series accept RTL-Pass, MH-GL and MH-GL/2 (MH-RTL) data, making them compatible with a complete series of printer/plotter data.

As standard, the RJ-6100 Plus series printers feature a uni and bi-directional (ECP/IEEE-1284 compatible) parallel port.

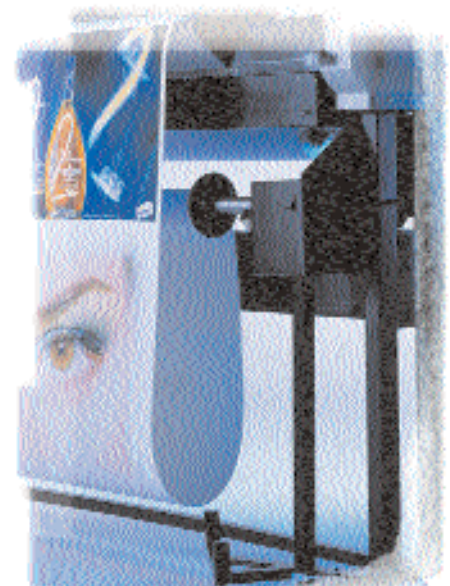
Optionally, the printers can also be equipped with a 100 Base-TX multi-protocol Ethernet card to offer network connection under Windows 95, 98, NT, 2000; TCP/IP, XP, NetWare and Ether Talk.

Take-up system

Unattended printing is made possible thanks to our motorised take-up system. This automatic roll-to-roll take-up system offers you following features:

- ✓ Compatibility with 3" and 2" roll media cores
- ✓ Detection of transparent see-through media types
- ✓ Reversible spin
- ✓ Manual roll-up / roll-off controls

The automatic take-up system is a standard accessory for the Falcon Graphics 62" Plus machine. It is optional for the RJ-6100 46" Plus.



Optional for:

RJ-6100 46" Plus

Standard for:

RJ-6100 62" Plus

Six colour printing sets new standards when it comes to media selection. Therefore, Mutoh has carefully tested and selected a range of media that are specifically targeted to six colour printing and are developed to take up ink in a shorter time and are capable of taking more ink than other printer media, if desired. Available media types: heavy (150g) coated paper, instant dry glossy paper, photograde piezo glossy & satin paper, backlight film, billboard paper, art paper, proofing paper, matte and glossy vinyl,

Media development and media profiling are activities subject to continuous evolution. Please visit our website to regularly check out the availability of new media and new media profiles.

Specifications:

Model	RJ-6100/46" Plus	RJ-6100/62" Plus
Max. Media / Print Width (mm)	1180 / 1160	1574,8 / 1554,8
Media Core Ø / Thickness	2" (standard) 3" (optional) / 0.2 mm	
Print Head Technology	Drop-On-Demand PIEZO-Electric - MicroDot™	
Print Resolutions (dpi)	360 x 180, 360 x 360, 720 x 360, 720 x 720, 720 x 1440, 1440 x 720 and diagonally interpolated 1440 x 1440	
Print Modes	Draft (1 & 2 pass), Normal (2 & 4 pass) and Quality (8 & 16 pass)	
Print Speed	Various speeds between 14.49 m ² /h (360 x 180 dpi) and 0.68 m ² /h (1440 x 1440 dpi)	
Processor	64-bit RISC	
Memory standard / maximum	24/72 Mb	40/72 Mb
Command Languages	RTL-Pass, MH-GL, MH-GL/2 (HP-GL/2 compatible) Printer Manager Commands	
Interfaces	Standard : Uni & Bi-Directional Parallel (ECP Compatible) Optional : 100 Base-TX Fast Ethernet plug-in card Protocols : Windows95, 98, NT, 2000 ; TCP/IP, NetWare, EtherTalk, XP	
Ink / Cassette detection	220 ml, DYE (CMYK, Lc, Lm), Pigmented (CMYK, Lc, Lm, O, G) Automatic detection of dye, pigmented or cleaning cassette*	
Ink Consumption ** Dye (Pigmented)	360 DPI : 4.66 (4.66) ml/m ² , 720 DPI : 7.98 (9.33) ml/m ²	
Head Height Adjustment	1.5 - 2.0 mm (0.15 mm)	
Sheet off	Horizontal auto-cutting	
Automatic take-up system	Optional	Standard
Max. Power Consumption	75 W	110 W
Noise Level	Max. 54 dB	
Measurements (W x D x H)	1870 x 630 x 1264 mm	2350 x 630 x 1264 mm
Weight Body (Stand)	49 kg (23 kg)	85 kg (27 kg)

(*) When switching ink type, cleaning is required using cleaning cassettes, sold separately.

(**) Ink Consumption figures for 100 % Coverage of printed surface.

Specifications liable to changes without prior notice.

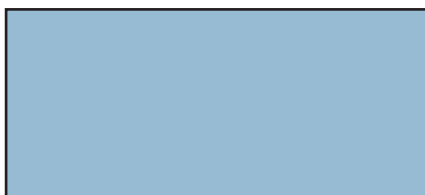
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MUTOH

MUTOH EUROPE N.V.
Tel.: 32-(0)59-56 14 00
Fax: 32-(0)59-80 71 17
E-mail: mutoh@mutoh.be
<http://www.mutoh.be>

MUTOH Deutschland GmbH
Tel.: 49-(0)2159 91 34 30
Fax: 49-(0)2159 91 34 56
E-mail: Mutoh-Sales@t-online.de

MUTOH Industries Ltd.
Tel.: 81-(0)3-54 86 71 44
Fax: 81-(0)3-54 86 71 63



Powered by



In the box, you will find Onyx RIPCenter 5.6 Raster Only Mutoh Edition, a fast and efficient RIP software.

What does it offer ?

- ✓ Support for all Mutoh RJ-6100 Plus series.
- ✓ Offers you a job queue and full printer control.
- ✓ Automatic nesting
- ✓ Automatic tiling
- ✓ Latest profiles available via Mutoh website.

For the in-the-box software, a complete upgrade path is available via the software manufacturer.

Available upgrades :

- ✓ RIPCenter Raster only to PosterSHOP™ XT to offer :
 - PostScript® 3 compatibility
 - Preflight view, size, crop
 - Media manager to calibrate your own media
 - Colour correction
- ✓ RIPCenter Raster only to Production House to offer :
 - PosterSHOP™ XT features
 - Extra printer drivers
 - 4 output queues & 2 RIPs

2 models



2 models

RJ-6100 46" Plus

RJ-6100 62" Plus

The Mutoh RJ-6100 Plus series consists of 2 models: RJ-6100/46" Plus (1180 mm) and RJ-6100/62" Plus (1574.8 mm).

Except for the difference in maximum media size, all RJ-6100 Plus printers will offer you similar advanced features:

- ✓ By far not the least of the RJ-6100 Plus series printers' assets is that they are equipped with two long-life state of the art 3-colour micro piezo heads, capable of firing extremely uniform dots and using ink very economically, taking nothing away from the output quality.
- ✓ All printers accept roll as well as cut-sheet media and incorporate an advanced pressure roller system, which will feed a large range of media types without leaving any transport marks.
- ✓ The Falcon Graphics Plus printers are equipped with height adjustable print heads. Head height is adjustable between 1.5 and 2.0 millimetres. The lower head position is ideal to print on photo-quality media as it reduces the head-to-media gap and improves dot placement accuracy. The high head position is ideal to accommodate thicker media or woven media and prevents that media or media fibres touch the head's nozzle plate.