

Full Colour Wide Format Production
Printer

RICOH
imagine. change.

RICOH Pro L4160/L4130

✓Printer



Pro L4160

18.2 B/W
 m^2/h
Full colour

Pro L4130

17.1 B/W
 m^2/h
Full colour

Your ideal way into large-format

The new RICOH Pro L4160/ Pro L4130 are the perfect solution when you want to complement your offering with display printing.

Hugely versatile, these printers will give you a wide variety of display material in high quality colour, thanks to the RICOH GEN5 print heads. By using the latest patented multidrop jetting technology, these heads can create a droplet as small as four picoliters, resulting in smoother colour gradation. What's more, with the addition of orange and green inks, you'll also benefit from brighter images as well as a greater colour gamut – up to 93% of the Pantone range, allowing the reproduction of corporate colours accurately. The option of white ink also allows for a wider range of applications to be printed, for example, transparent stickers and clear backlit films – creating endless possibilities for graphic arts displays and prints.

Durable inks for inside and out

The Pro L4160/ Pro L4130 use eco-friendly, durable latex inks, which are suitable for both indoor and outdoor use. Prints can last up to two years under most conditions as a result of the anti-fade qualities and weatherproof qualities. Latex inks produce minimal volatile organic compounds and hazardous air particles, making them safe to use even indoors, without the need of any special air ventilation. Cartridges are also reusable, reducing waste and saving money. Printing has never been more environmentally-friendly.

Print on almost anything

With a low curing temperature, a wide variety of media such as films, textiles, vinyl and papers can be printed on. Also, a maximum output of 18.2m²/hr means the best productivity in its class. Productivity is further amplified by the built-in heaters and fans, eliminating waiting for secondary processes as drying is instantaneous. Maximum productivity and efficiency is possible with the RICOH Pro L4160/ Pro L4130.



ACTIVE CLOSE
UNLIMITED

SUMMER
BAR GAIN
20%~50%
OFF

UNLIMITED
ACTIVE CLOSE

SALE

ACTIVE CLOSE
UNLIMITED

ARIEL

UNLIMITED

ARIEL

Transform
from the Inside



ARIEL

Ariel Co., Ltd.

ARIEL

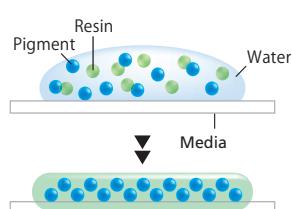




High Value-added Printing Increases Business Productivity

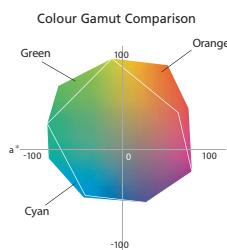
Versatile new ink technology

RICOH Pro L4160/ Pro L4130 uses aqueous durable latex ink. Latex (Resin) and pigment in the ink are applied simultaneously. Resin dissolves forming a membrane over the media. After it is heated, pigment is fixed. This allows various media to be used, including non-coated media such as paper or cloth.



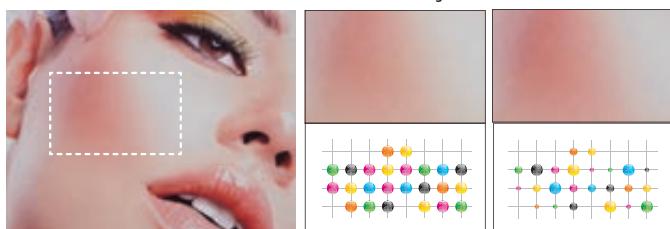
6 ink colours allowing wider colour reproduction

Going beyond standard CMYK, RICOH has added in orange and green, allowing more colour options and increased colour gamut for exceptional results. White ink is also available, allowing high quality prints even on clear substrates by acting as a base colour.



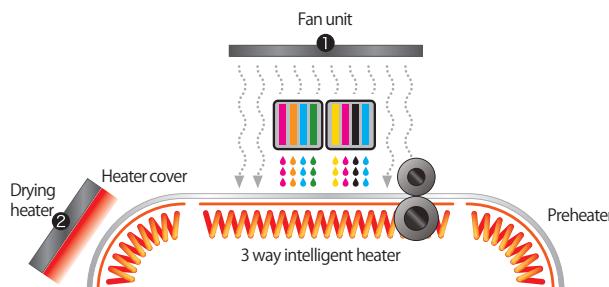
High quality and productivity

Equipped with RICOH GEN5 Piezo multi-jetting printheads, up to three different drop sizes, with a minimum size of 4 picolitres, can be produced. Printouts have a smoother gradation and sharper details. With a high print speed of up to 18.2m²/h, productivity can be greatly increased.



Printouts are instantly dried

In the RICOH Pro L4160/ Pro L4130, there is a 3 way intelligent heater – before print, during print, and after print. By heating ink in 3 steps, the colour development and ink fixation is effectively promoted. The drying heater (post heater) also supports film forming and pigment fixing. Prints are dried and secondary processing such as lamination can be done immediately. This also reduces total job time and lowers costs.

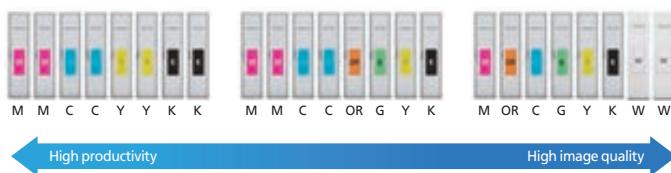


Colour modes available

There are 8 ink cartridge slots with 3 colour mode options:

- 4-colour mode (CCMMYYKK)
- 6-colour mode (CCMMYKOrGr)
- 7-colour mode (CMYKOrGrWW)

3 layers can be printed in one single pass with white and coloured inks.



Environmentally Safe

Eco-friendly Latex Inks

Latex inks are pigmented and water-based. They contain very little volatile organic compounds (VOCs) and are free from hazardous air particles. No special air ventilation is required, and printouts are suitable for indoor use as well due to the minimal odour. This reduces the impact of printing on the environment and enables an improved printing environment.



Reusable ink cartridges

The RICOH Pro L4160/ Pro L4130 practise an eco-cartridge methodology. Ink cartridges can be reused repeatedly by changing ink packs. This not only helps reduce wastes, also save costs in the long run.



*Except white ink

RICOH Software RIP

The RICOH Pro L4160/ Pro L4130 comes with the RICOH Software RIP, a printer driver that is easy to use and has advanced features making printing even easier. Through its universal ease of use, it allows for more professional and advanced finished products.

Three ink layers in one pass print function

A three-layer print of colour, white and colour can be performed at one time. The underlay printing of a base layer of white ink can be printed, reproducing natural colours even on transparent media. Window graphics can now be printed with high precision – applications are no longer limited to coated media.

Layout function as desired

Layout constraints in terms of size adjustment or copy function for the imposition of jobs. 3 ink layers or copied images can be freely laid out if the print conditions are the same. This efficient layout reduces media wastage. With this multi-profile, simultaneous printing function, test outputs can be easily printed, lowering the time spent on test prints.

ColorGATE as an optional RIP



The RICOH Pro L4160/ Pro L4130 provides the option for the PS8 Production Server from ColorGATE, the technological leader in workflow automation for large format printing. The server has the latest Adobe PDF print engine (APPE) which makes smooth, highly automated PDF workflow easy. You will also benefit from a user friendly interface with outstanding functionality, accurate colour management, rapid profiling, recalibration and quality control.

Clever cost control

A useful Cost Calculator feature lets you provide precise quotes before printing and the Container function positions each job optimally to ensure minimum material usage. There are also two clever optional extras available, too. Firstly an Ink Saver module that can cut ink use to a minimum by intelligent replacement of cyan, magenta and yellow in neutral areas with black ink. Secondly, there's the Print and Cut PCM module that lets you control cutting plotters and tables.

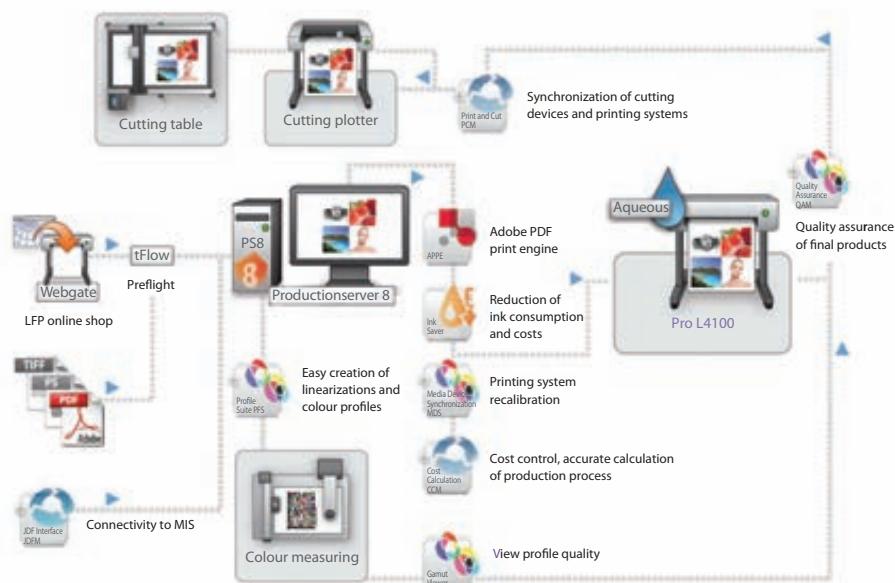
Automated workflows

ColorGATE hotfolder technology enables fully automated output according to pre-defined settings and the crossplatform processing of print jobs. You are able to automate workflows of a

virtually unlimited complexity, whereby individual modifications can still be made to the process at any time. There is no limit to the number of active hotfolders. Hotfolders can be added at any time, as needed.

Consistent performance

The main task of the spectral value based linearization assistant (wizard) is to create printer- and media-specific linearizations with the aim that all print system employed primary and process colours behave linear or equally in all steps over the gradation from 0% to 100%. This linearity of the process colour gradation fulfills an optimal pre-condition for a printing system to be profiled at its best.



Realize your full potential with RICOH Pro L4160/ L4130



Outdoor display



Display graphics



Backlit display



Vehicle graphics



Labels



In-store POS display

Applications and media

Outdoor advertising

Application: Banners, billboards, building wraps, flags, outdoor banners and vehicle graphics.

Media: Film, tarpaulin, synthetic paper OPP, PET films, self-adhesive vinyl and textiles.

Indoor advertising/retail, POS and POP

Application: Advertising posters, POP / POS, pop-up / roll-up displays and window graphics.

Media: Coated / uncoated paper, film, self-adhesive vinyl and textiles.

Exhibition and event graphics

Application: Floor graphics, light boxes, hanging banners and display graphics.

Media: Paper, synthetic paper, film, self-adhesive vinyl and textiles.

Vehicle graphics

Application: Wraps, side panels, window stickers, logos

Media: Self-adhesive vinyls and films.

Decoration

Application: Wall covering.

Media: Textiles, paper, film and self-adhesive vinyl.

Signage

Application: Double-sided signs, information signs, light boxes, personalized signs, soft signage, directional signs and window stickers.

Media: Coated / uncoated paper, fabric, film and self-adhesive vinyl.

Photos and fine art prints

Application: Designer prints, fine art prints and photo enlargements.

Media: Coated / uncoated papers, film, self-adhesive vinyl and textiles.

Labels and flexible packaging

Application: Food, wine, beverage, pharmaceuticals, cosmetics and household goods.

Media: Paper, synthetic paper, OPP and PET film.



Floor graphics



High quality prints and posters



Window graphics

RICOH Pro L4160/ Pro L4130

MAIN SPECIFICATIONS

INK TYPE

Aqueous Durable (Latex) Ink

INK COLOURS

Cyan, Magenta, Yellow, Black, Orange, Green, White

INK SET COMBINATIONS

4-color mode (CMYKCMYK)
6-color mode (CCMMYKOrGr)
7-color mode (CMYKOrGrWW)

INK CARTRIDGE CAPACITY

CMYKOrGr 600cc, White 220cc

PRINTER

Technology: Piezo Inkjet
Max print speed: Pro L4160: 18.2 m²/hr
Pro L4130: 17.1 m²/hr
Max Print Resolution: 1200 x 1200 dpi
Print mode: Pro L4160
Min: 6-pass bidirectional: 18.2 m²/hr
Max: 32-pass bidirectional: 3.3 m²/hr
Pro L4130
Min: 6-pass bidirectional: 17.1 m²/hr
Max: 32-pass bidirectional: 3.2 m²/hr
Margins: Roll Paper
Left and right end: 15mm (default)
Front: 150mm
Rear: 0mm
Cut Sheet
Left and right end: 15mm (default)
Front: 150mm
Rear: 200mm
Print heads: RICOH Gen5 Piezo print head -
2 per 1 printer
Nozzles: 1280 nozzles per 1 head,
Total 2560 nozzles

DIMENSION (WxDxH) / WEIGHT

Pro L4160: 2879mm x 854mm x 1435mm / 240kg
Pro L4130: 2634mm x 854mm x 1435mm / 203kg

POWER SUPPLY

Input power: 100-120V 50-60Hz, 200-240V 50-60Hz,
12A or less x 2 lines
Power consumption: Up to 1.44kW x 2 (100V-120V),
(Active printing) 1.8kW x 2 (220V-240V)

OPERATING ENVIRONMENT

Temperature: 20°C to 30°C (68F - 86F)
12A or less x 2 lines
Humidity: 35% to 65% (non-condensation)

ACOUSTIC

Standby: 58dB or less
Printing: 65dB or less continuous sound
75dB or less discontinuous sound

MEDIA HANDLING

Max media thickness: (Roll paper) 0.3mm
Max roll outer: (Roll paper) 180mm
diameter
Media core size: (Roll paper) 2 inches or 3 inches
Media width: (Roll paper) Max 1,371mm/ Min 210mm
(Cut sheet) Max 1,620mm/ Min 210mm
Max printable length: Pro L4160: 1,610mm
Pro L4130: 1,361mm

PC SPECIFICATIONS

Windows Vista SP2 or later (32 bit/ 64 bit)/
Windows 7 (32 bit/ 64 bit)
CPU: Intel core 2Duo 1.8GHz or more
Memory: 1GB

CONFIGURATION/ INTERFACE

USB Connection (5 metres recommended)

PRODUCTION SERVER

*ColorGATE PS8 (Adobe PDF print engine)
Ricoh software RIP

*Option as separate



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