RICOH
imagine. change.

Ricoh Latex Pro L4100 series

The new Ricoh Pro L4100 series with new AR Ricoh durable Latex inks.

Pro™ L4130
29.5 m²/h Colour

Pro™ L4160
33.1 m²/h Colour

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

Pro™ L4130
Pro™ L4160
AR Ink

The wide colour printer with wider colour gamut

Want to grow your business in every direction? With the new Ricoh Pro L4100 series you can do just that. Thanks to the latest Ricoh technology and eco-friendly durable latex inks, you can dramatically expand your offering for indoor and outdoor use.

Our versatile wide printers utilise new high-speed print heads to enhance image quality and productivity. You benefit from a wider colour range that simply cannot be achieved with traditional CMYK 4–colour printing - the addition of orange and green inks mean that you can reproduce vibrant pastel colours, which are perfect for colourful display printing. Whilst the ability to use white ink produces even more vivid colour on transparent materials such as window film. Productivity is further enhanced by the fact that drying is almost instant.

- New wider colour gamut
- Enhanced productivity
- Less drying time
- Eco-friendly
- Low energy power consumption

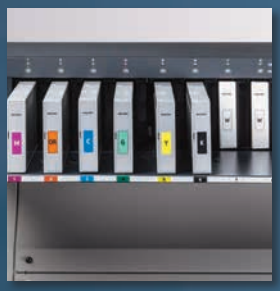
Increased versatility in large format printing

New latex ink technology.
6-colour process including orange and green

Unlike conventional 4-colour process printing, a wider colour gamut can be achieved for effective reproduction of corporate colours such as company logos. The brilliant orange and green inks are ideal for posters and POPs for food industry products. Improved spot colour enables superb design package proofs.

High black density and improved glossiness.
Delivers rich and contrasting details

The increased density of the black ink results in sharper, richer details and the improved glossiness creates more vivid, eye-catching colours.



White ink for more vivid results.
Expands the range of applications

Printing white ink as a foundation colour layer on transparent or colour materials helps retain the natural vividness of colours. Also 3 layer printing, which prints white ink between colours, shows images on both sides even though the printing is on one side.

Excellent drying.
Dramatically improves efficiency

The ink dries fast enough to immediately move on to secondary processes such as laminating and installing. No time gets wasted on drying time, which is a big bonus on productivity.

Designed to maximise your success

New head and jetting technology

- The new Ricoh high-speed print heads and new AR ink technology ensure excellent image quality and reliability
- Multiple drop sizes with a minimum size of 4pl
- Maximum output 33.1m/hr
- Maximum printing width 1610mm

Wider media support

- 60 degree C cold cure capability for various heat-sensitive media
- Suitable not only for film media but also coated paper, PET, tarpaulin, PVC, polyester cloth, cotton, wallpaper and transparent vinyl

Higher productivity

- Eight reusable ink cartridges can be inserted
- Automatic ink fulfil system (4-colour mode)
- No drying time, straight to secondary processing

Safe, clean and easy

Environmentally friendly

- Low smell and VOCs – unlike solvent ink so there is no need for special ventilation which makes installation and operation of the Ricoh Pro L4130/160 even easier and safer
- Repeat-use ink cartridges
- Eco-friendly ink pack

Greenguard Gold certification

The latex ink for the Ricoh Pro L4160/130 has received the Greenguard and Greenguard Gold Certification. This signifies that a product is acceptable for use in environments such as educational and medical facilities. It was instigated to help manufacturers create – and help buyers identify – superior products and materials that have low chemical emissions, improving the quality of the air in environments in which the products are used.

Ease of use

- Intuitive and easy to operate display panel incorporates machine status display, data activity and heaters indicators
- Handy waste tank for easy and convenient waste disposal
- Cleaning solutions cartridge for simple and regular maintenance of print heads

Printer driver for Ricoh Pro L4100

Combining usability and high performance

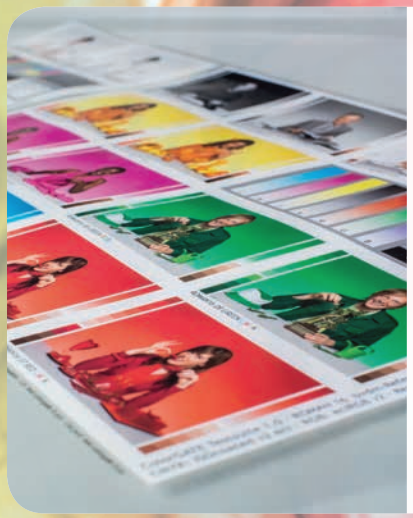
- With user-friendly operation, the new print driver provides for more professional and advanced finished products through its universal ease of use
- Basic setting items are indicated by icons, enabling operations to be performed easily and intuitively
- When clicking on the chosen icon the screen will be changed in the same window. In addition, layout settings can be re-used at anytime by implementing 'Register as Favourite'
- When printing you can visually confirm job progress on the main screen

Three ink layers in one pass function

A three-layer print of colour, white and another colour can be performed in one. The underlay printing of a base layer of white ink enables the natural vividness of colours to be reproduced on transparent media. It means that window graphics can be printed with high precision and no multi-pass registration shift.

Layout function the way you want it

You no longer are constrained in adjusting the layout size or a copy function for several jobs. Three ink layers or copied images can be freely laid out as long as the print conditions are the same. This efficiently reduces media waste.



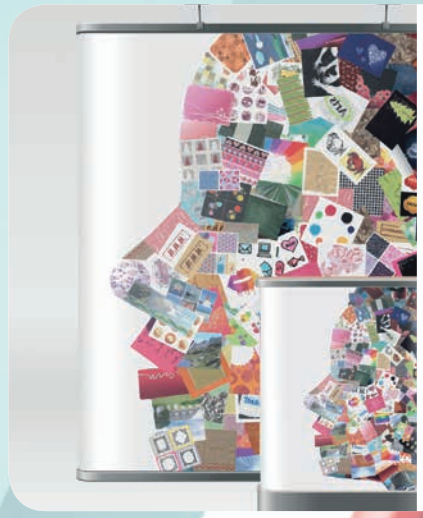
Multi-profile, simultaneous printing function

Several profiles that match conditions can be printed simultaneously. This is effective for test output when the profile for image quality or colour requires multiple 'profile' test prints. It allows you to select the best profile with minimum effort

A wealth of applications

You can print on virtually anything - films, textiles, vinyls, papers as well as create POS/ POP displays or even labels.

Eye catching graphics



Indoor advertising/retail, POS and POP

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

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

Outdoor advertising

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

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

Exhibition and event graphics

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

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

Vehicle graphics

Wraps, side panels, window stickers, logos.

Self-adhesive vinyls and films.

Images that boost visibility

Signage

Double-sided signs, information signs, light boxes, personalised signs, soft signage, directional signs and window stickers.

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

Photos and fine art prints

Designer prints, fine art prints and photo enlargements.

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

Decoration

Wall covering and interior decoration.

Textiles, paper, film, wallpaper and self-adhesive vinyl.

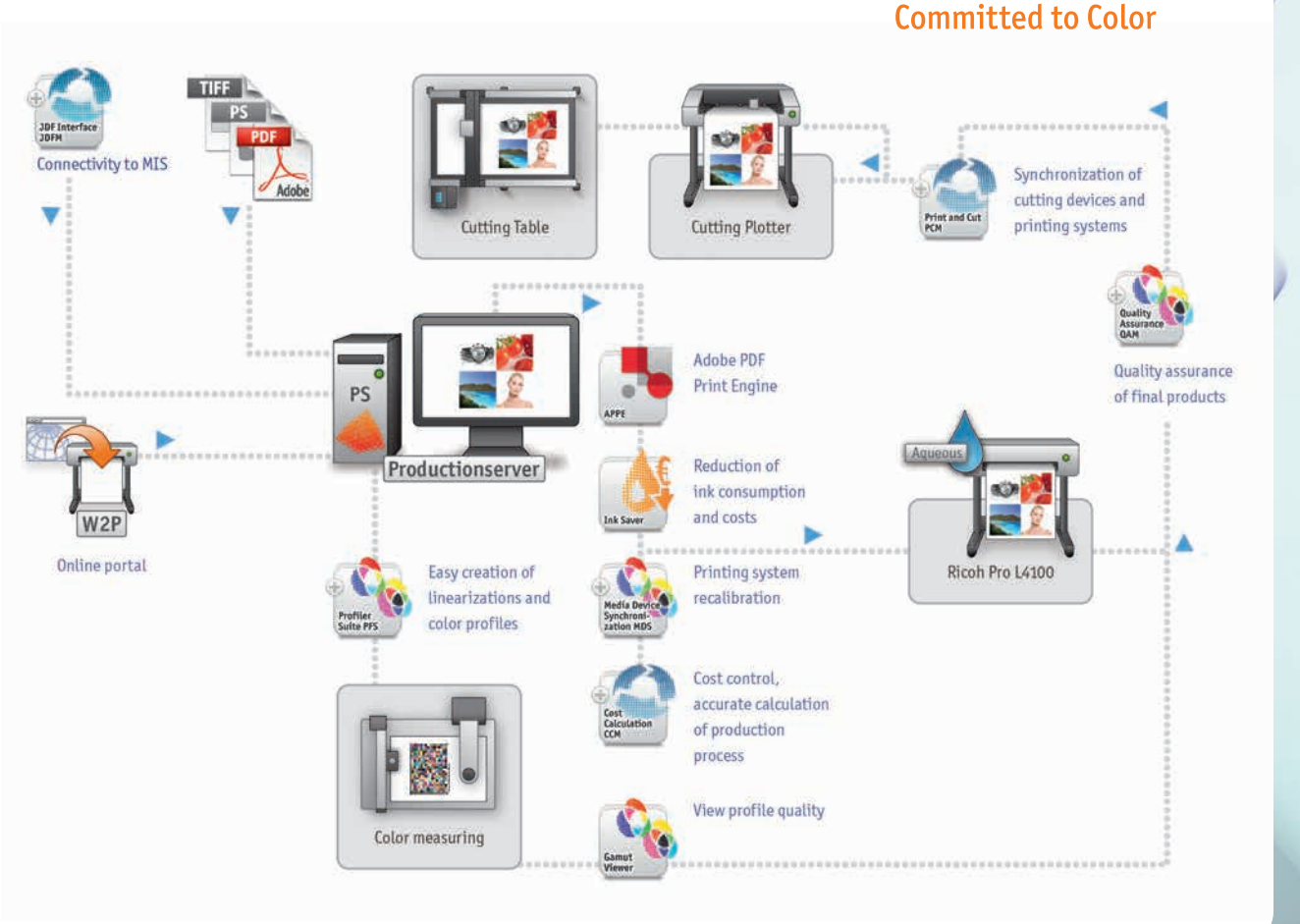
Labels and flexible packaging

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

Paper, synthetic paper, OPP and PET film.

ColorGATE

Innovative Solutions
Committed to Color



ColorGATE Productionserver

An additional option is the PS9 Productionserver from ColorGATE who are 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 pre-print quotes. Additionally, the Container function optimally positions each job to maximise material usage.

There are also two other clever optional extras available. The Ink Saver module can cut ink use to a minimum by intelligent replacement of cyan, magenta and yellow in neutral areas with black ink. The Print and Cut PCM module lets you control cutting plotters and tables.

All the options you need to succeed

1. Ink cartridge configurations
2. Blast fan units
3. Operational panel with USB 2.0 connector, LAN connector, main power switch, AC inlet
4. Waste ink bottle
5. Roll holder and take-up devices
6. 1 Roll unit
7. Clamp lever (front)
8. Reusable ink cartridge
9. Print heads
10. Cleaning solutions cartridge

Ricoh Pro L4100 series

MAIN SPECIFICATIONS

GENERAL

Ink Type:	AR (Aqua Resin) Ricoh Durable Latex ink
Head Type:	Ricoh GEN5 high-speed piezo durable print heads
Print Speed:	Pro L4130: 4-colour mode. 4 pass: Super Draft 29.5 m^2/h 6 pass: Draft 17.1 m^2/h 8 pass: High Speed 13.0 m^2/h 12 pass: Standard 10.3 m^2/h 16 pass: High Quality 6.3 m^2/h Pro L4130: 6-colour mode/6-colour mode + white 8 pass: Super Draft 15.8 m^2/h 12 pass: Draft 8.7 m^2/h 16 pass: High Speed 6.6 m^2/h 24 pass: Standard 5.1 m^2/h 32 pass: High Quality 3.2 m^2/h Pro L4160: 4-colour mode. 4 pass: Super Draft 33.1 m^2/h 6 pass: Draft 18.2 m^2/h 8 pass: High Speed 13.8 m^2/h 12 pass: Standard 11.0 m^2/h 16 pass: High Quality 6.6 m^2/h Pro L4160: 6-colour mode/6-colour mode + white 8 pass: Super Draft 17.2 m^2/h 12 pass: Draft 9.1 m^2/h 16 pass: High Speed 7.0 m^2/h 24 pass: Standard 5.6 m^2/h 32 pass: High Quality 3.3 m^2/h
Resolution:	600, 900, 1200dpi
Dimensions (W × D × H)	Pro L4130: 2634mm x 854mm x 1435mm Pro L4160: 2879mm x 854mm x 1435mm
Weight:	Pro L4130: 216kg Pro L4160: 231kg
Power Source:	1800W x 2 (220-240V)
Power Consumption:	Less than 1440W x 2 (100-120V)

INK SET

Ink Set Combinations:	4-colour mode (CMYK) 6-colour mode (CMYKOrGr) 6-colour+white mode (CMYKOrGrW)
Droplet Size:	4pl
Ink Capacity:	4-colours: CMYK (600cc two cartridges for each colour) 6-colours: CMYKOrGr (600cc one cartridge for Y, K, Or, and Gr colour, 600cc two cartridges for C and M colour) 6-colours and White: CMYKOrGrW (600cc one cartridge for CMYKOrGr colour, 220cc two cartridges for White)

MEDIA

Media Options:	Wide ranging media compatibility which includes thin coated paper, Synthetic Paper, PET, tarpaulin, weatherproof PVC, window film, polyester and cotton. Thickness 0.3mm or less.
Curing Time:	Fast curing for secondary processing such as lamination.
Maximum Paper Width:	Pro L4130: 1361mm Pro L4160: 1610mm
Maximum Media Width:	Pro L4130: 1371mm Pro L4160: 1620mm
Media Weight:	25kg or less

COLOUR RIPS

Ricoh Software RIP (Professional and advanced colour management - in bundle with mainframe)

CPU:	Intel Core i3 3.10GHz or more
Operating System:	Printer Driver Windows Vista SP2 or later (32/64 bit), Windows 7 Professional, Ultimate, Enterprise (32/64 bit), Windows8 Pro Enterprise XP Professional Edition (32 bit) SP3~, XP Home Edition (32 bit) SP3~
Chip set:	Intel chip set
Memory:	3GB or more (32 bit), 6GB or more (64 bit)
HDD:	500GB recommended (NTFS format)
Network Interface:	Ethernet, USB 1.1/2.0

Additional third-party RIP's available ColorGATE PS9 Productionserver

ColorGATE PS9*: *See page 10 for further information	Intuitive control and user interface (Adobe PDF print engine) Optimal colour reproduction High quality modular components Maximum productivity

PC SPECIFICATIONS

Operating System:	Windows Vista SP2 or latter (32bit/64bit), Windows7 Professional/ Ultimate/Enterprise (32bit/64bit), Windows8 Professional/Enterprise (32bit/64bit), XP Professional Edition(32bit) SP3~, XP Home Edition(32bit) SP3~
CPU:	Intel Core i3 3.1GHz or more
Memory:	2GB or more (32bit), 3GB or more (64bit)
Configuration / Interface:	Ether Net, USB 1.1/2.0

ENVIRONMENTAL INFORMATION

Environmental:	New aqueous durable (latex) inks have very low emissions of VOCs (volatile organic compounds) and lack of odour requiring no ventilation. Ink cartridges can be used repeatedly, reducing waste and cost.

GREENGUARD

RICOH
imagine. change.

www.ricoh-europe.com

ISO9001 certified, ISO14001 certified.

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