

Wide Format Latex Printer

# RICOH Pro L5100 SERIES

**RICOH**  
imagine. change.

Made to drive your business forward.



**RICOH  
Pro L5130**  
41.4 Full Colour  
m/h

**RICOH  
Pro L5160**  
46.7 Full Colour  
m/h



Ricoh Pro L5160 (Dual CMYK)  
Outstanding High Production CMYK  
Eco-Solvent/Latex 54"/64" Printer

## Prepare to take versatility and productivity to a new level

The new generation RICOH Pro L5100 series offers a unique combination of application versatility, usability and outstandingly high productivity to drive your business forward.

They deliver higher output speeds and even better image quality than ever before. Thanks to the three new high-speed staggered print heads and our new, almost instant drying, Latex ink plus improved jetting technology. It not only enhances productivity but gives you the ability to print on a vast range of media that solvent printers are unable to touch.

Other innovations include an auto cleaning system and truly friendly operator features to maximise uptime.

The RICOH Pro L5100 series handles wide-format print applications that can expand your offering for indoor and outdoor use so that you can grow with this ever-growing market.



## High-speed output and maximum uptime



### Second generation of RICOH AR Latex ink

Our own advanced quick-drying Latex ink enable you to achieve outstanding productivity. Benefit from CMYK high output speeds of up to 46.7 m<sup>2</sup>/h for outdoor, 25 m<sup>2</sup>/h for indoor.



### Media versatility

Ricoh's new industrial high-speed print heads, new Latex ink and improved jetting technology not only offer superior image quality but the ability to print on permeable as well as impermeable media.



### Usability and enhanced productivity

From intuitive touch panel and remote operation to auto adjustment sensor and auto cleaning system, Ricoh has introduced brand new technology for unbeatable ease of use that minimises downtime.



### Wider applications

With a maximum media width of 1,371mm and 1,625mm, the RICOH Pro L5100 series can handle wide-format print applications from large-scale outdoor poster and building wraps to in-store signage and fine art prints to expand your customer offering.

ARIEL

ARIEL

ARIEL

# New technology for performance, quality and profit



## Auto adjustment sensor

- Ricoh Reference Patch ensures stable print and colour quality and detects nozzle blocking
- Compares target patches in the scanning area with the CMOS camera and automatically adjusts and corrects
- Ensures consistent colour and quality stability on print runs

## New intuitive operation panel

- New 4.3-inch operation touch panel
- Tilts up to 90 degrees
- Ensures easier usage and helps improve productivity
- Keeps you in continuous control of production status

RICOH Pro L5160

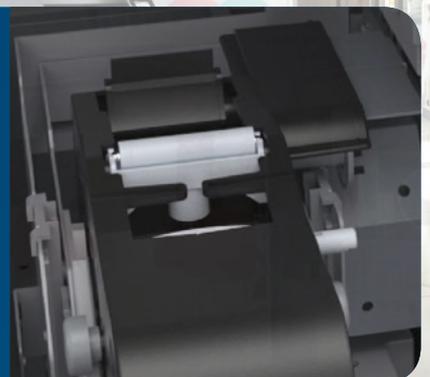


## White ink and high black density

- Ability to print white to standard CMYK results in more vivid and vibrant colours and expands the range of applications
- 3-layer printing which prints white ink between colours shows images on both sides even through printing is on one side
- Increased density of the black ink results in sharper, richer details and the improved glossiness creates more vivid, eye-catching colours

## Auto maintenance

- New auto cleaning system frees you from regular maintenance
- Keeps the long-lasting print nozzles clean, minimising downtime
- The web cartridge cleans every print head automatically while moving from the back to the front of the print heads



## Reliable, efficient, and sustainable



### Enhanced head and jetting technology

- Three Industrial print heads “RICOH MH5441” and the latest RICOH AR Latex ink technology ensure superb image quality and reliability
- Multi jetting provides three different drop sizes at once
- Multiple drop sizes with a minimum of 5pl for maximum performance on selected media

### Shorter drying time improves efficiency

- New RICOH AR Latex ink means immediate fixing and curing
- Infrared drying heater dries ink after printing so operators can immediately move on to secondary processes such as laminating
- No time is wasted on drying, speeding up workflow



### Eco-friendly

- Low smell and volatile organic compounds (VOCs) eliminate the special ventilation which makes installation and operation of the new RICOH Pro L5100 series even easier and safer
- Less ink consumption - automatic ink refill system (4-colour mode) for long continuous print runs
- Eight reusable ink cartridges can be inserted

### GREENGUARD Gold certification

- The AR Latex ink for RICOH Pro L5100 series has been awarded the Green-guard Gold Certification
- RICOH AR Latex ink has passed the strictest standards for low chemical emissions, improving the air quality in the environments in which the products are used



# Outstanding versatility and durability



## Indoor advertising/retail, POS and POP

- Advertising posters, POP/POS, pop-up/roll-up displays and window graphics
- Coated/uncoated paper, film, wallpaper, self-adhesive vinyl and textiles
- Wall coverings and interior decoration

## Outdoor applications

- Banners, billboards, building wraps, flags, outdoor banners and vehicle graphics
- Film, tarpaulin, synthetic paper, OPP, self-adhesive vinyl and textiles
- Double-sided signs, information signs, light boxes, personalised signs, soft signage and directional signs
- Coated/uncoated paper, fabric and window stickers



## Exhibition and event graphics

- Floor graphics, light boxes, hanging banners and display graphics
- Paper, synthetic film, self-adhesive vinyl and textiles

## Vehicle graphics

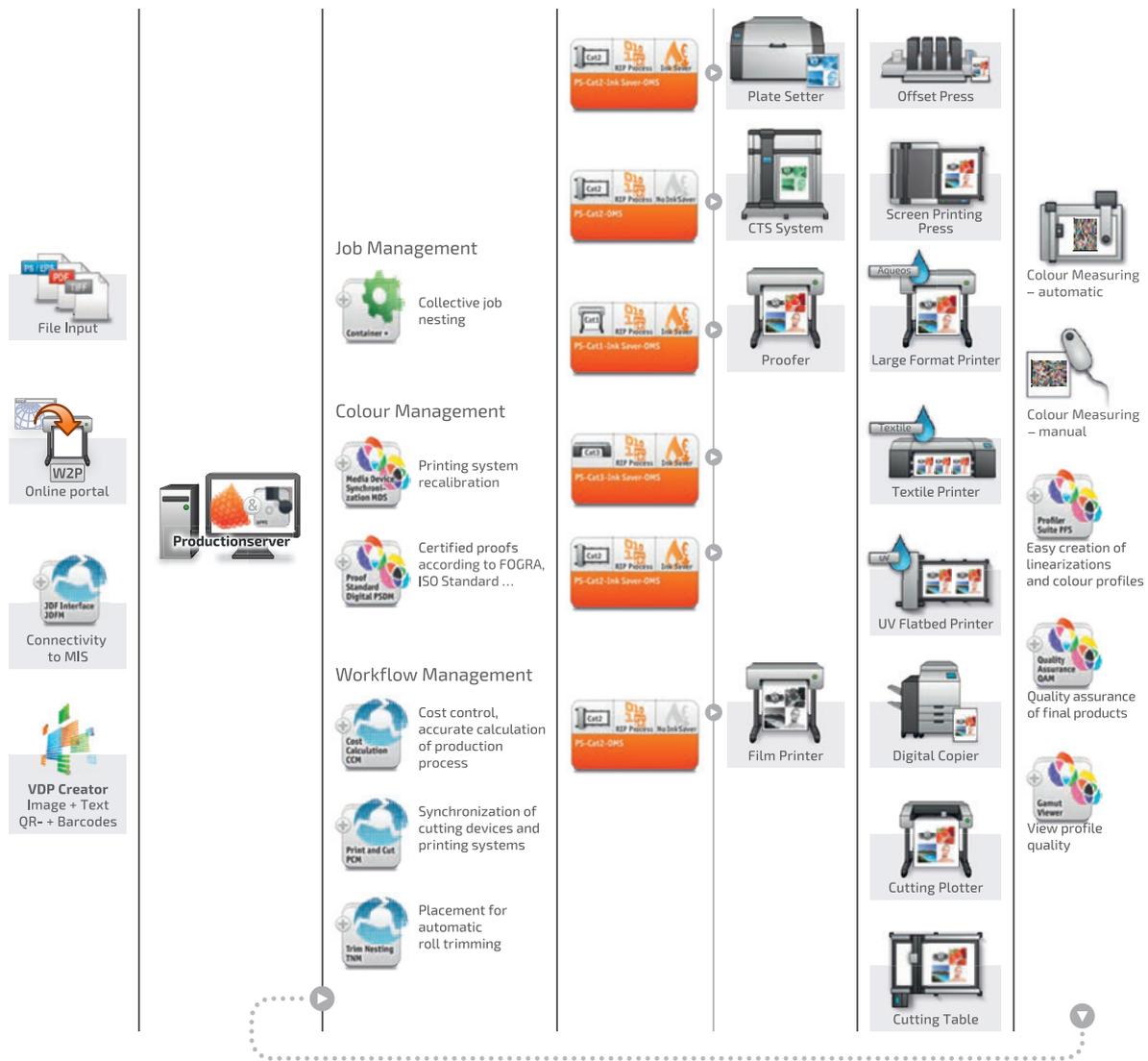
- Wraps, side panels, window stickers and logos
- Self-adhesive vinyls and film



## Labels and flexible packaging

- Food, wine, beverage, pharmaceuticals, cosmetics and household goods
- Paper, synthetic paper, OPP and film

# Workflow and Colour Management Solutions



## Solutions designed for demanding environments

ColorGATE Productionserver offers a proven workflow and colour management solution that allows you to meet the creative demands of your clients quickly and accurately whilst achieving high quality colour output across a range of media for a broad range of large format applications.

The Productionserver utilises the latest Adobe PDF Print Engine (APPE) technology at its core allowing you to handle the latest PDF standards, features and formats without compromise.

## Modular and scalable as your business grows

ColorGATE RIP and Printing Software is designed around a scalable and modular architecture allowing you to expand the solution and add additional modules to meet your own production requirements as your business adapts and grows. Additional drivers and APPE RIP can be added to Productionserver, enabling multiple devices to be driven from a single ColorGATE central server and allowing you to manage a mixed device environment from a single solution.

## Customisable to your own requirements

Available options include cost calculation, ink saving, ICC profiling tools (for custom media characterisation) and a print and cut module to connect supported cutting tables and plotters.

*For a complete list of available upgrades and options, please speak to your local Ricoh representative.*

# RICOH Pro L5100 series

## MAIN SPECIFICATIONS

### GENERAL

|                         |  |
|-------------------------|--|
| Ink Type:               | V.2 AR (Aqua Resin) Ricoh Durable Latex ink  |
| Head Type:              | Ricoh High-speed piezo durable print heads (RICOH MH5441)  |
| Print Speed:            | Pro L5130: 4-colour mode<br>6 pass: Super Draft 41.4 m <sup>2</sup> /h<br>8 pass: Draft 28.9 m <sup>2</sup> /h<br>12 pass: High Speed 22.3 m <sup>2</sup> /h<br>16 pass: Standard 13.8 m <sup>2</sup> /h<br>32 pass: High Quality 7.8 m <sup>2</sup> /h<br><br>Pro L5130: 4-colour mode + white<br>6 pass: Super Draft 22.2 m <sup>2</sup> /h<br>8 pass: Draft 16.9 m <sup>2</sup> /h<br>12 pass: High Speed 11.6 m <sup>2</sup> /h<br>16 pass: Standard 7.8 m <sup>2</sup> /h<br>32 pass: High Quality 3.7 m <sup>2</sup> /h<br><br>Pro L5160: 4-colour mode<br>6 pass: Super Draft 46.7 m <sup>2</sup> /h<br>8 pass: Draft 32.5 m <sup>2</sup> /h<br>12 pass: High Speed 25.0 m <sup>2</sup> /h<br>16 pass: Standard 15.4 m <sup>2</sup> /h<br>32 pass: High Quality 8.7 m <sup>2</sup> /h<br><br>Pro L5160: 4-colour mode + white<br>6 pass: Super Draft 24.9 m <sup>2</sup> /h<br>8 pass: Draft 18.9 m <sup>2</sup> /h<br>12 pass: High Speed 12.9 m <sup>2</sup> /h<br>16 pass: Standard 8.7 m <sup>2</sup> /h<br>32 pass: High Quality 4.1 m <sup>2</sup> /h |
| Resolution:             | 450dpi, 600dpi, 900dpi, 1,200dpi   |
| Dimensions (W x D x H): | Pro L5130: 3,050mm x 1,000mm x 1,500mm<br>Pro L5160: 3,300mm x 1,000mm x 1,500mm   |
| Weight:                 | Pro L5130: less than 360kg<br>Pro L5160: less than 380kg   |
| Power Source:           | AC220-240V 16A 50/60Hz x 2lines  |
| Power Consumption:      | Less than 6,000W<br>Sleep: Less than 5.35W<br>Off: Less than 0.5W  |
| Interface:              | Ethernet (100BASE-TX/1000BASE-T)   |
| Operation Panel:        | 4.3inch uWVGA (Colour touch panel + Hard keys)<br>Display Languages: Japanese, English, German, French, Italian, Spanish, Dutch, (European)<br>Portuguese, Russian, Korean   |

### INK SET

|                       |  |
|-----------------------|--|
| Ink Set Combinations: | 4-colour mode (CMYK)<br>5-colour mode (CMYK+W)   |
| Droplet Size:         | 5pl  |
| Ink Capacity:         | 4-colours: CMYK<br>600ml or 1,200ml (2 cartridges for each colour)<br>4-colour: CMYK<br>600ml or 1,200ml (1 cartridge for each colour, 4 cartridges for White) |
| Ink Capacity Types:   | 600ml Regular Cartridge<br>1,200ml High Volume Cartridge   |

### MEDIA

|                         |   |
|-------------------------|---|
| Media Options:          | Wide ranging media compatibility which includes thin coated paper, Synthetic Paper, PET, tarpaulin, weatherproof PVC, window film, polyester, canvas and cotton |
| Curing Time:            | Fast curing for secondary processing such as lamination thanks to "IR" infrared drying-heater system on board   |
| Curing Method:          | Pre-Print-Post Heater + IR Heater   |
| Maximum Printing Width: | Pro L5130: 1,361mm<br>Pro L5160: 1,615mm  |
| Maximum Media Width:    | Pro L5130: 1,371mm<br>Pro L5160: 1,625mm<br>Minimum 297mm   |
| Media Weight:           | 55kg or less  |
| Media Feed Length:      | Maximum 300m or less  |
| Roll Outside Diameter:  | Maximum 250mm or less   |
| Roll Inside Diameter:   | 2 or 3 inches   |
| Head Height Adjust:     | 1.8mm (default), 2.3mm, 2.8mm, 3.8mm  |
| Margin Setting:         | Default: 15mm at each side<br>Minimum: 5mm at each side   |

### PC SPECIFICATION - SYSTEM REQUIREMENTS

|  |   |
|--|---|
| Operating systems:                       | Microsoft Windows 7 (Professional, Enterprise, Ultimate)<br>Microsoft Windows 8 (Pro, Enterprise)<br>Microsoft Windows 10 (Pro, Enterprise)<br>Microsoft Windows Server 2008 R2<br>Microsoft Windows Server 2012<br>Microsoft Windows Server 2016<br>(Apple Mac OS X 10.5.2 or later with Parallels Desktop 4.0 or later for Mac) |
| 64 bit recommended                       |   |
| Minimum hardware requirements:           | CPU: Dual Core2GHz or later<br>RAM: ≥4 GB<br>Free disk space: 10 GB<br>HDD more than 500 GB<br>Display resolution: 1,280 x 1,024  |
| Recommended for using one printer:       | CPU: Intel i5 / AMD Dual-Core 2 GHz+<br>RAM: ≥8 GB<br>Free disk space: 40 GB<br>Display resolution: 1,280 x 1,024   |
| Recommended for using multiple printers: | CPU: Intel i7 / AMD Ryzen 5/7 3 GHz+<br>RAM: ≥16 GB<br>Free disk space: 80 GB SSD<br>Display resolution: 1,280 x 1,024  |
| Installation and operation:              | USB port 1, DVD drive is required, LAN adapter, TCP/IP for network access required  |
| Interfaces:                              | Parallel, Ethernet, TCP/IP, USB, Serial, FireWire, TWAIN  |

### RIP AND PRINTING SOFTWARE

|  |  |
|--|--|
| ColorGATE Productionserver (PS) (Professional and advanced colour management - in bundle with mainframe) |  |
| Features:  | High-quality modular components<br>Optimal colour rendering<br>Consistency of reproduction at any time<br>Maximum productivity<br>Intuitive control concept and user interface<br>Utilises the latest Adobe PDF print engine |

### ENVIRONMENTAL INFORMATION

|                |  |
|----------------|--|
| Environmental: | New V.2 aqueous durable (Latex) inks have very low emissions of VOCs (volatile organic compounds) and lack of odour requiring no ventilation |
|----------------|--|

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[www.ricoh-ap.com](http://www.ricoh-ap.com)

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