RICOH
imagine. change.

Made to drive your business forward.

Ricoh Latex
Pro™ L5130e
Pro™ L5160e

New Ricoh Large Format Latex series with extended colour capabilities.

C M Y K W Or Gr

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

Pro™ L5130e
Pro™ L5160e

AR Ink

Pro™ L5130e	Pro™ L5160e
41.4 m²/h Colour	46.7 m²/h Colour

Get ready for high speed output and maximum uptime. Ricoh's new latex printers are about to transform commercial printing.

With our latest latex printers, the RICOH Pro™ L5160e/ L5130e, we've enhanced the positional accuracy of the ink application, and introduced three staggered print heads. The result is outstandingly high productivity. And an auto-wiping mechanism keeps the print nozzles clean, minimising downtime.

The new printers use our new, quick-drying latex ink, with superb adhesion, minimal odour, and very low emissions of volatile organic compounds (VOCs). Best of all, they're amazingly versatile. Besides PVC, tarpaulin and all the substrates you'd expect, they handle a vast range of other print media.

All Ricoh printers offer outstanding ease of use, but the RICOH Pro™ L5160e / L5130e go the extra mile. They handle wide format print applications ranging from large-scale outdoor posters and signboards to in store banners, backlit display film and more. Delivering higher output speeds.

NEW Ricoh Latex Pro™ L5130e
Pro™ L5160e

Extended colour capabilities thanks to new ORANGE and GREEN ink colours and high speed output.

Second generation of Ricoh latex AR ink

Our own advanced quick-drying latex ink enables you to achieve outstanding productivity. Benefit from four colour high output speeds of up to 46.7 m^2/h, 25 m^2/h for indoor and thanks to WHITE, ORANGE and GREEN inks you can extend applications and colour capabilities.

Media versatility

Ricoh's new industrial high speed print heads, new latex inks 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 1371mm and 1625mm, the Ricoh Pro L5130e/L5160e 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 offering to clients.

New technology for performance, quality and profit

Auto adjustment sensor

The new Ricoh Reference Patch ensures stable print and colour quality and detects nozzle blocking. It compares target patches in the scanning area with the CMOS camera and automatically adjusts and corrects. It ensures quality stability on print runs.

New intuitive operation

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

Device monitoring and control

- New internal LED Lamp allows you to monitor image quality and troubleshoot even while printing, saving downtime
- New Attention Light alerts operators to any printing issues from afar
- Web Image Monitor enables you to check complete printer status at once on a combined Home page for easier operation.
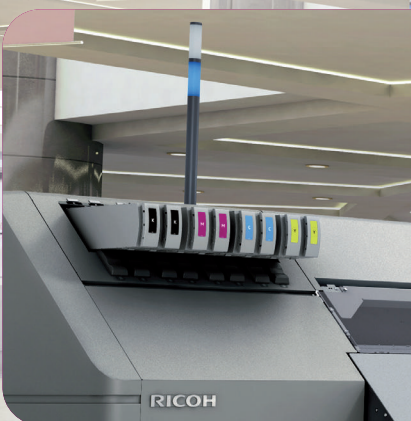
Improve your output

Leading image quality

- Ricoh's own market leading printing technology offers max resolution of 600dpi x 1200dpi
- High productivity is assured with 1280 nozzles/head
- Achieves printing speeds of 46.7 m2/h outdoor materials, 25 m2/h for indoor materials.

## WHITE, ORANGE & GREEN latex inks configurations

- New ORANGE and GREEN ink colours can achieve a wider colour palette, enabling you to create brand spot colours
- Print white for standard CMYK results in more vivid and vibrant colours and expands the range of applications and colours capabilities
- 3-layer printing feature offers the possibility to print white ink between colours, showing images on both sides using transparent substrates
- Increased density of the black ink results in sharper, richer details and the improved glossiness creates more vivid, eyecatching colours.
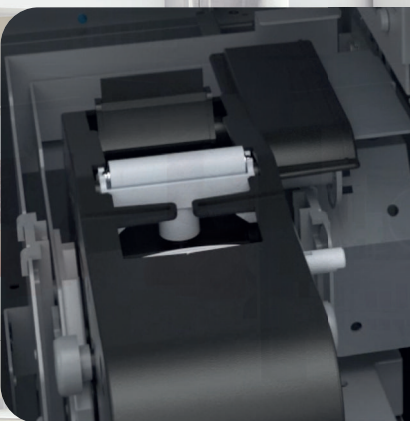
Auto maintenance

- 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 and efficient day after day
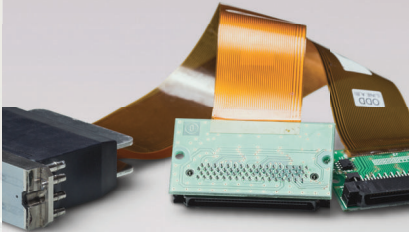
Enhanced head and jetting technology
- Three Ricoh Gen5 Industrial print heads "MH5421" and the latest Ricoh AR latex ink technology ensure superb image quality and reliability
- Multi jetting delivers three different drop sizes at once
- Multiple drop sizes with a minimum of 5pl for maximum performance on selected media.

No drying time improves efficiency
- New Ricoh latex inks mean 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.
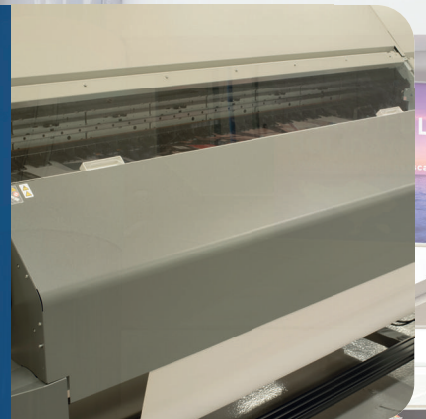
Easy media setting
- Roll feed unit can be slid at 250mm to make it easier to load media to media support
- Enables you to see proper position of even heavier media
- Roll to Sheet Cutting* at each ripping data, means you can select to cut automatically and speedily move on to the next process.

  * Selective media only are uncuttable with this function.
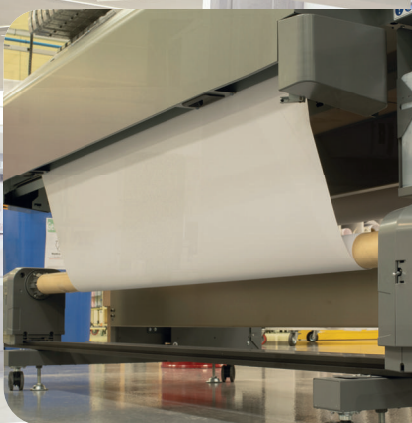
End-to-end sustainability

Low print temperature

- Low energy consumption - Energy Star 4 colour model
- 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.

Eco-friendly

- Minimal odour and VOCs - no need for special ventilation which makes installation and operation of the new Ricoh Pro L5130e/L5160e even easier and safer
- Low 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 latex ink for the Ricoh Pro L5130e/L5160e has been awarded the Greenguard Gold Certification. It means that a product has passed the strictest standards for low chemical emissions, improving the air quality in the environments in which the products are used.

Outstanding versatility inside and out

Indoor advertising, retail and POP

Advertising posters, POP, pop-up/roll-up displays and window graphics.
Coated/uncoated paper, film, self adhesive vinyl and textiles.

Outdoor applications

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 film, self-adhesive vinyl and textiles.

Vehicle graphics

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

Results that demand attention

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.
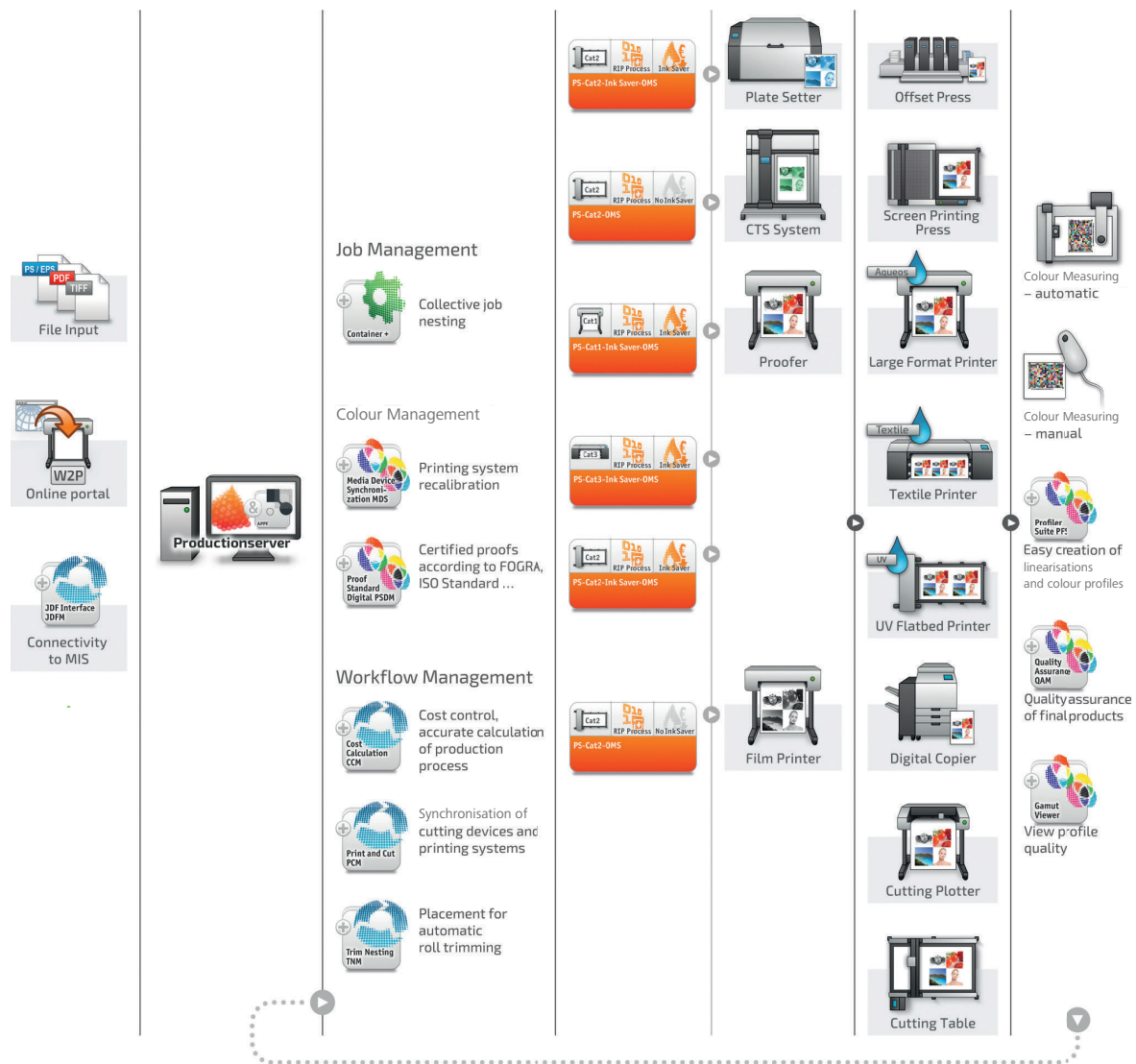
Decoration
Wall coverings and interior decoration.
Textiles, paper film, wallpaper and self-adhesive vinyl.

Labels and flexible packaging
Food, wine, beverages, pharmaceuticals, cosmetics and household goods.
Paper, synthetic paper, OPP and PET films.

Workflow and Colour management solutions

ColorGATE — A RICOH Company

Workflow diagram

File Input
PS / EPS, PDF, TIFF

W2P — Online portal

JDF Interface JDFM — Connectivity to MIS

Productionserver (APPE)

Job Management
- **Container +** — Collective job nesting

Colour Management
- **Media Device Synchronization MDS** — Printing system recalibration
- **Proof Standard Digital PSDM** — Certified proofs according to FOGRA, ISO Standard …

Workflow Management
- **Cost Calculation CCM** — Cost control, accurate calculation of production process
- **Print and Cut PCM** — Synchronisation of cutting devices and printing systems
- **Trim Nesting TNM** — Placement for automatic roll trimming

RIP / Output modules
- **PS-Cat2-Ink Saver-OMS** (Cat2, RIP Process, Ink Saver) → Plate Setter
- **PS-Cat2-OMS** (Cat2, RIP Process, No Ink Saver) → CTS System
- **PS-Cat1-Ink Saver-OMS** (Cat1, RIP Process, Ink Saver) → Proofer
- **PS-Cat3-Ink Saver-OMS** (Cat3, RIP Process, Ink Saver) → Textile Printer
- **PS-Cat2-Ink Saver-OMS** (Cat2, RIP Process, Ink Saver) → UV Flatbed Printer
- **PS-Cat2-OMS** (Cat2, RIP Process, No Ink Saver) → Film Printer

Output devices
- Plate Setter
- Offset Press
- CTS System
- Screen Printing Press
- Proofer
- Large Format Printer (Aqueos)
- Textile Printer (Textile)
- UV Flatbed Printer (UV)
- Film Printer
- Digital Copier
- Cutting Plotter
- Cutting Table

Colour tools
- Colour Measuring – automatic
- Colour Measuring – manual
- **Profiler Suite PF** — Easy creation of linearisations and colour profiles
- **Quality Assurance QAM** — Quality assurance of final products
- **Gamut Viewer** — View profile quality

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** Print Engine (APPE) technology at its core, allowing you to handle the very 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 RIPs can be added, allowing multiple devices to be driven from a single ColorGATE central server. Which enables 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 speak to your local Ricoh representative.

All the options you need to succeed

THREE INK CONFIGURATIONS AVAILABLE.

Double CMYK
CMYK W
CMYK Or-Gr

1 Inks cartridge configuration (600ml or 1200 ml)	**6** "IR" Infrared drying-heater system
2 Attention light	**7** Waste ink bottle
3 Internal LED lamp to monitor image quality	**8** Roll holder, take-up and media tensioner devices
4 Auto cleaning system	**9** 1 roll unit
5 New 4.3 inch operation Touch Panel	**10** Media cutter

Ricoh Pro L5130e/L5160e

MAIN SPECIFICATIONS

GENERAL

Ink Type:	V.2 AR (Aqua Resin) Ricoh Durable Latex ink
Head Type:	Ricoh GEN5 high speed piezo durable print heads (MH5421)
Print Speed:	Pro L5160e: 4-colour mode.

6 pass: Super Draft 46.7 m²/h
8 pass: Draft 32.5 m²/h
12 pass: High Speed 25.0 m²/h
16 pass: Standard 15.4 m²/h
32 pass: High Quality 8.4 m²/h

Pro L5160e: 4-colour mode + white.
6 pass: Super Draft 24.9 m²/h
8 pass: Draft 18.9 m²/h
12 pass: High Speed 12.9 m²/h
16 pass: Standard 8.7 m²/h
32 pass: High Quality 5.6 m²/h

Pro L5160e: 4-colour mode + Orange + Green
6 pass: Super Draft 33.2 m²/h
8 pass: Draft 25.2 m²/h
12 pass: High Speed 17.0 m²/h
16 pass: Standard 10.5 m²/h
32 pass: High Quality 5.6 m²/h

Pro L5130e: 4-colour mode.
6 pass: Super Draft 41.4 m²/h
8 pass: Draft 28.9 m²/h
12 pass: High Speed 22.3 m²/h
16 pass: Standard 13.8 m²/h
32 pass: High Quality 7.5 m²/h

Pro L5130e: 4-colour mode + white.
6 pass: Super Draft 22.2 m2/h
8 pass: Draft 16.9 m2/h
12 pass: High Speed 11.6 m2/h
16 pass: Standard 7.8 m2/h
32 pass: High Quality 5.1 m2/h

Pro L5130e: 4-colour mode + Orange + Green
6 pass: Super Draft 29.4 m²/h
8 pass: Draft 22.7 m²/h
12 pass: High Speed 15.2 m²/h
16 pass: Standard 9.4 m²/h
32 pass: High Quality 5.1 m²/h

Resolution:	450dpi, 600dpi, 900dpi, 1200dpi
Dimensions (W × D × H)	Pro L5130e: 3050mm x 1000mm x 1500mm Pro L5160e: 3300mm x 1000mm x 1500mm
Weight:	Pro L5130e: less than 365kg Pro L5160e: less than 385kg
Power Source:	AC220-240V 16A 50/60Hz x 2 lines
Power Consumption:	Less than 6000W Sleep : Less than 5.2W Off : Less than 0.3W
Interface:	Ethernet (100BASE-TX/1000BASE-T)
Operation Panel:	4.3inch uWVGA (Colour touch panels + Hard keys) Display Languages : Japanese, English, German, French, Italian, Spanish, Dutch, Portuguese, Russian, Korean, Chinese and Polish

INK SET

Ink Set Combinations:	4-colour mode (CMYK) 5-colour mode (CMYK + W) 6-colour mode (CMYK + Orange + Green)
Droplet Size:	5pl
Ink Capacity:	4-colours: CMYK 600ml or 1200ml (2 cartridges for each colour) 5-colours : CMYK + W

600ml or 1200ml (1 cartridge for each colour)
4 cartridges for White)
6C-Colours : CMYK+Or+G (1 cartridge for each colour 2 cartridges for Black and Magenta)

Ink Capacity Types:	600ml or 1200ml (2 cartridges for each KM) 600ml or 1200ml (1 cartridge for each CY) 600ml (1 cartridge for each Or+G)

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:	3Way (Pre-Print-Post) Heater + IR Heater
Maximum Printable Width:	Pro L5130e: 1361mm Pro L5160e: 1615mm
Maximum Media Width:	Pro L5130e: 1371mm Pro L5160e: 1625mm Minimum 297mm
Media Weight:	55kg or less
Media Feed Length:	Maximum 300m or less
Roll Outside Diameter:	Maximum 250mm or less
Roll Inside Diameter	3 or 2 inches
Head Height Adjust:	1.8mm (default), 2.3mm, 2.8mm, 3.8mm
Margin Setting:	Default: 15mm at each side Min: 5mm at each side

PC SPECIFICATIONS - SYSTEM REQUIREMENTS

Operating systems 64 bit recommended:	Microsoft Windows 8.1 (Pro, Enterprise) Microsoft Windows 10 (Pro, Enterprise) Microsoft Windows Server 2012 Microsoft Windows Server 2016 Microsoft Windows Server 2019 (Apple Mac OS X 10.5.2 or later with Parallels Desktop 4.0 or later for Mac) (Apple macOS with Parallels Desktop)
Minimum hardware requirements:	CPU: Intel Core i series or later / AMD FX or later RAM: ≥8 GB Free disk space: 250 GB Display resolution: 1280 x 1024dpi
Recommended for using one printer:	CPU: Intel Core i7 or later RAM: ≥16 GB Free disk space: 750 GB Display resolution: 1280 x 1024dpi
Option recommended for using multiple printers:	CPU: Intel i7 / AMD Ryzen 5/7 3 GHz+ RAM: ≥16 GB Free disk space: 1 TB SSD Display resolution: 1280 x 1024dpi
Installation and operation:	LAN adapter, TCP/IP for network access required
Interfaces:	Parallel, Ethernet, TCP/IP, Serial, FireWire, TWAIN

RIP - AND PRINTING SOFTWARE

ColorGATE Productionserver.
(PS Select Version - in bundle with mainframe)

Features:	High colour quality modular components Optimal colour rendering Consistency of reproduction at any time Maximum productivity Intuitive control concept and user interface 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.

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

RICOH
imagine. change.

www.ricoh-europe.com