

Wide Format Colour Digital Imaging System

RICOH
imagine. change.

RICOH Pro L4130/L4160

Printer



Pro L4130

17.1
m²/hr full colour

Pro L4160

18.2
m²/hr full colour

Exceptional wide-format colour – inside and out

The RICOH Pro L4130/L4160 wide-format colour printer is the perfect solution when you want to complement your offering with display printing. It produces brilliant signs, banners, wall coverings, wraps and more for indoor or outdoor applications of all kinds. Your customers will notice how crisp and vivid your graphics look. You'll notice how easy they were to make. Using eco-friendly, aqueous latex ink and up to a six-colour process printing for a much wider colour gamut everyone will be impressed with the results.

Innovative new ink technology on display

Don't compromise any longer. The RICOH Pro L4130/L4160 produces outstanding colour that withstands the harshest elements — without being harsh on you or the environment. It intensifies black ink density and enhances gloss for bolder, more compelling graphics. The ink can also be used on an array of substrates, including plastics, vinyl, clear film, backlit materials and more. Plus, the ink requires only a 60°C cold cure, so it easily handles a wide range of heat-sensitive media. Images stay crisp and colours stay vibrant in outdoor conditions, along with being scratch, water and weather resistant.

More colours, including white, for more impact

The RICOH Pro L4130/L4160 can produce six-colour process printing — adding orange and green to the standard 4-colour (CMYK) setup: you have more colour options and increased colour gamut for producing exceptional colour reproductions on any surface. In addition, with that configuration, white ink enables you to use it as a base colour and create fresh images that pop on clear substrates too.

Produce signs quickly

The RICOH Pro L4130/L4160 was designed for efficiency and fast throughput. With eight ink cartridges, you can choose almost any configuration at the time of installation.

- When set up in 4-colour mode, two ink cartridges are designated with each colour for continuous printing.
- An array of heaters on the platen maintains proper temperatures during pre-printing, printing and the drying process to ensure that any additional finishing can begin immediately.
- Quick-drying ink enables output to move onto secondary finishing processes almost immediately; if lamination is desired, it can be done right away.



Good for business, great for you

Open your doors to a profitable, new revenue stream with high-quality, durable output from the RICOH Pro L4130/L4160. These state-of-the-art printers excel at wide-format reproduction with striking detail and long-lasting colour for indoor and outdoor graphic applications that command attention.

- Interior design: Adhesive floor graphics, wall decals and floor to ceiling wallpapers offer endless branding and design opportunities for corporate and home environments.
- Photo and fine art: High quality, on-demand printing opens new doors to galleries and artists.
- Outdoor: Grab the attention of consumers with bold outdoor advertising, transit signage, building wraps, banners and more.
- Exhibition and events: From sales meetings, trade shows and high profile events, become the one source for corporate customers for printing everything.
- Retail: Seasonal window graphics, point of sale displays, backlist advertising and in-store signage are just a few examples of how the RICOH Pro L4130/L4160 can boost sales for both you and retailers.

And there are even more applications: vehicle wraps, product labels, banners and signage are just a few examples of the added capabilities delivered by these high quality, flexible wide format printers.

Drive print performance the easy way

The RICOH Pro L4130/L4160 uses the powerful Ricoh Software RIP designated specifically to simplify printing graphics-rich output. The intuitive, icon-based interface lets you seamlessly check settings and progress from the main screen.

- Set 'favourites' and quickly reuse settings you've used previously.
- Three-layer prints enable you to print on more types of material, including transparent material and window clings.

- Perform layout imposition of several jobs to reduce media waste and run test prints, improving both the quality and efficiency of your operation.

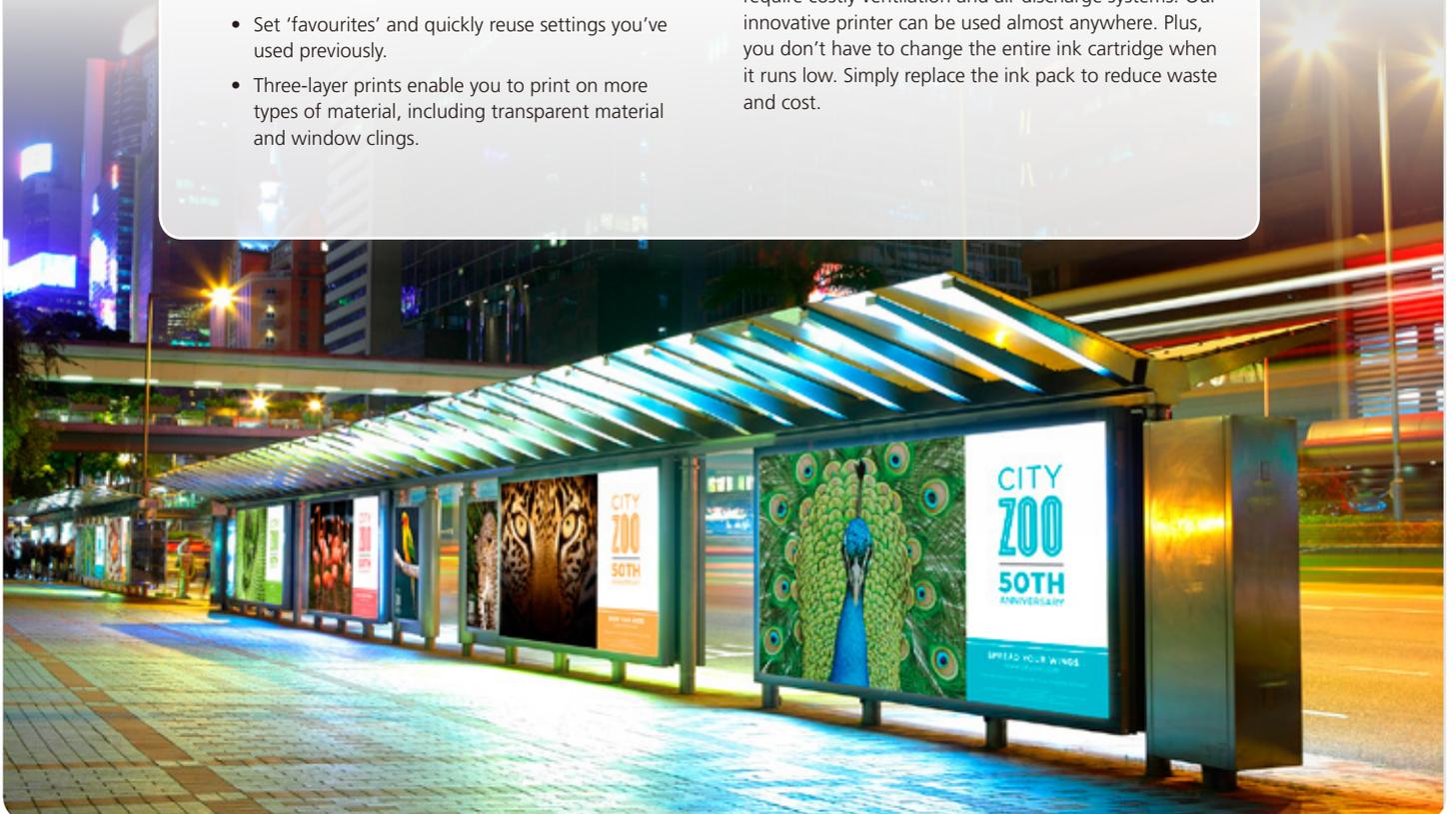
Print heads in a new direction

With innovative high-speed print heads, the RICOH Pro L4130/L4160 delivers high quality output time after time. Each of the two Piezo print heads are configured with 1,280 nozzles per head to ensure the outstanding results, as a precise drop is dispensed at the exact location — every time. Multi-jetting capabilities support three different drop sizes at once, ensuring the exact amount of ink is dispensed every time for exceptional results on various media types and densities.



Easy to set up and environmentally friendly

The RICOH Pro L4130/L4160 uses aqueous durable latex ink to produce exceptional wide-format colour. Solvent-based printers can be difficult to install because they require costly ventilation and air discharge systems. Our innovative printer can be used almost anywhere. Plus, you don't have to change the entire ink cartridge when it runs low. Simply replace the ink pack to reduce waste and cost.



RICOH Pro L4130/L4160

MAIN SPECIFICATIONS

General Specifications

Printing Process	On demand Piezo inkjet system (RICOHGENS two head in line)
Ink Type	Latex ink
Resolution	900dpi, 1200dpi
Drawing Mode (scan x feed)	900 x 900: Bi/Uni 6/12/24 pass 900 x 1200: Bi/Uni 8/16/32 pass 1200 x 900: Bi/Uni 6/12/24 pass 1200 x 1200: Bi/Uni 8/16/32 pass 900 x 900: Bi/Uni 12/24/48 pass 1200 x 900: Bi/Uni 16/32/64 pass 1200 x 1200: Bi/Uni 12/24/48 pass 1200 x 1200: Bi/Uni 16/32/64 pass
Usable Ink Ink Configuration	CMYK, Or, Gr, W 4 colours: CMYK 6 colours: CMYK, Or, Gr 6 colours and white: CMYK, Or, GR+W
Capacity of Ink	4 colours: CMYK – 600ml two cartridges for each colour 6 colours: CMYK, Or, Gr – 600ml one cartridge for Y, K, Or, Gr – 600ml two cartridges for C&M 6 colours and white: CMYK, Or, GR+W – 600ml one cartridge for CMYK, Or, Gr – 220ml two cartridges for white
Media Type	Thin coated paper/PET/tarpaper/ weatherproof PVC/windowfilm/ polyester cloth/cotton/duratrans
Printing Width (max)	L4130: 1,361mm L4160: 1,610mm
Printing Surface	Side facing outward
Roll Media	Media feed width: L4130: 1,371mm maximum L4160: 1,620mm maximum L4130/L4160: 210mm minimum 0.3mm or less Thickness: Maximum 180mm or less Outside diameter: 2" or 3" Inside diameter: Maximum 25kg or less Media weight: 190mm or less Take-up roll: Media diameter
Cut Sheet Media	Media feed width: L4130: 54"/1,371mm maximum L4160: 63.8"/1,620mm maximum L4130/L4160: 8.27"/210mm minimum 0.0079"/0.2mm or less
Print Margin	Left and right end: 0.59"/15mm (default) Front: 5.9"/150mm Rear: 0mm Leaf media: Left and right end: 0.59"/15mm (default) Front: 5.9"/150mm Rear: 7.87"/200mm
Distance	Absolute: The greater of +/- 0.011" (0.3mm) or +/- 0.3% of the distance Reproducibility: The greater of +/- 0.0079" (0.2mm) or +/- 0.1% of the distance
Perpendicularity Media Skew	+/- 0.019" (0.5mm) /36" (1,000mm) 0.19" (5.0mm) or less /32.8" (10 meter) variable
Head Height Adjust	L range: 1.8mm M range: 2.3mm H range: 2.8mm
Cutting	Direction: Cutting of Y direction by the head cutter Accuracy: 0.039" (1.0mm) or less (steps)
Waste Ink Tanks Interface	Bottle type 2000 cc USB 2.0 Ethernet (for maintenance only)
Power Source	100-120V, 50-60Hz, 220-240V 50-60Hz, 15A or less x 2 lines
Power Consumption (max) Dimension	Less than 1800W x 2 (200-240V) L4130: 2,634 x 854 x 1,435mm L4160: 2,879 x 854 x 1,435mm
Weight	L4130: Less than 203Kg L4160: Less than 240Kg
Operational Panel	Hard keys and LCD LCD: 20 characters 2 lines Displayed languages: Japanese, English, German, French, Italian, Spanish, Portuguese

Print Speed

L4160				
Full Colour		4C	6C/6C+W	
		M ² /hr	M ² /hr	
Draft	1200x900, ND, 6P, Bi	195.9	9.1	
High Speed	1200x1200, ND, 8P, Bi	13.2	7.0	
Standard	1200x1200, VD, 12P, Bi, Hi	11.0	5.6	
High Quality	1200x1200, VD, 16P, Bi, Hi	6.6	3.3	
White		Single Layer W	2 Layers 6C+W	3 Layers 6C+W+6C
			Drying Level 2	Drying Level 1
		M ² /hr	M ² /hr	M ² /hr
Standard	900x900, VD, 24P, Uni, Hi	2.9	1.0	1.0
High Quality	1200x1200, VD, 32P, Uni, Hi	1.9	0.6	0.6
L4130				
Full Colour		4C	6C/6C+W	
		M ² /hr	M ² /hr	
Draft	1200x900, ND, 6P, Bi	17.1	8.7	
High Speed	1200x1200, ND, 8P, Bi	13.0	6.6	
Standard	900x900, VD, 12P, Bi, Hi	10.3	5.1	
High Quality	1200x1200, VD, 16P, Bi, Hi	6.3	3.2	
White		Single Layer W	2 Layers 6C+W	3 Layers 6C+W+6C
			Drying Level 2	Drying Level 1
		M ² /hr	M ² /hr	M ² /hr
Standard	900x900, VD, 24P, Uni, Hi	2.7	0.9	0.9
High Quality	1200x1200, VD, 32P, Uni, Hi	1.8	0.6	0.6

Ricoh Software RIP

Required Environment	Printer Driver Installed PC OS	Windows Vista SP2 or later (32/64 bit), Windows 7 Professional, Ultimate, Enterprise (32/63 bit), Windows 8 Pro Enterprise XP Professional Edition (32 bit) SP3~, XP Home Edition (32 bit) SP3~ CPU: Intel Core i3 3.1GHz or more Chip set: Intel chip set Memory: 3GB or more (32 bit), 6 GB or more (64 bit) HDD: 500GB recommended (NTFS format) Interface: Ethernet, USB 1.1/2.0
	Client PC OS	Windows XP XP3 or later (32 bit), Windows Vista SP2 or later (32/64 bit), Windows 7 Professional, Ultimate, Enterprise (32/64 bit), Windows 8 Pro Enterprise, Max OS X 10.3.3~10.7
	Supported OS language	Spanish, Czech, German, French, Polish, Portuguese, Chinese (simplified/traditional), Korean
	Language support	German, French, Portuguese, Chinese (simplified/traditional), Korean
Input Data	Format	EPS, PS, PDF (1.5 or later is not allowed), TIFF, JPEG, BMP PS Font: Standard 60 European fonts (adding fonts are not allowed) Adobe Illustrator 8, 9, 10, CS, CS2, CS3, CS4, CS5 Adobe Photoshop 5, 6, 7, CS, CS2, CS3, CS4, CS5 Width: 428"/10,871mm Length: 428"/10,871mm
Application data		
Output Data	Max Spool processable image size Max RIP processable image size Max print size Max cut size	Width: 60m Length: 100m Width: 126"/3.2m Length: 3.937"/100m Width: 70"/1.8m Length: 1,968"/50m

Rendering

PS Ccore	JAWS compatibility core
PDF core	JAWS
Colour channel	4/8 channel: (CMYK+special colour 2), CMYK+special colour 1-4
Dot Rendering	3 level resolution (LMS)
Half-tone	16 bit
ICC	Dither, random dither ICC Profile
Colour matching	CMYK special colour max 3 colours vector/raster processing maintain true colour processing
Input profile	Gamut mapped profile for signage
Gray balance	Supported
Colour adjustment	Ink limit (all or each colour), torn curve adjustment, Black colour adjustment
Monitor	Reflect the result of profiled colour adjustment
Colour exchange	Exchange: Spot colour exchange, TIFF alpha channel exchange, gradation exchange
Target colorimetric	Adjust colorimetric data by using Colorimeter
Colour chart	Narrow the range of target colour, Colour Book print, registration for SWATCH
Special colour print	Merged data print: Merged Job, TIFF alpha channel, automatic special colour creation, three layer print
Adjustment	Adjustment special colour mapping
Clear	Thick print, gloss/matte
Silver	Metric colour library
White	White colour library
Editing	Rotation, mirroring, scale, trimming, move, copy
Image edit	Supported
Image layout	Nesting: Supported Automatic nesting: Supported Jib layout: Supported
Cut	Cut method: Cut after printed, print after cut Emulation: Roland EPS data supported
Insert Print	Insert method: Character, image, barcode, numbering Print method: RIP & print, print after RIP, automatic Special print: Flat reverse print, double face print, two roll print
	Multiple print: Max 4 units Interface: USB 2.0, Ethernet (for maintenance only)
SG feature	Tailing: Divide the image, duplicate margin, cut line mark print, margin point stamp Label print, ink usage, estimate print time
Print information Status information Manual	RIP information: Mail Inform print status
Protection	Installation manual: Printed manual in package of mainframe Network manual: CD-ROM Operation manual: CD-ROM
Additional third-party RIPs available Supported by ONYX	Check connected printer information
Consumables*	
Ink Pack	Cartridge Capacity
Black	600ml
Cyan	600ml
Magenta	600ml
Yellow	600ml
Orange	600ml
Green	600ml
White	220ml

*For maximum performance and yield, we recommend using genuine Ricoh parts and supplies. Specifications are subject to change without notice.

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Printed on a Ricoh. Product code: **B960255**