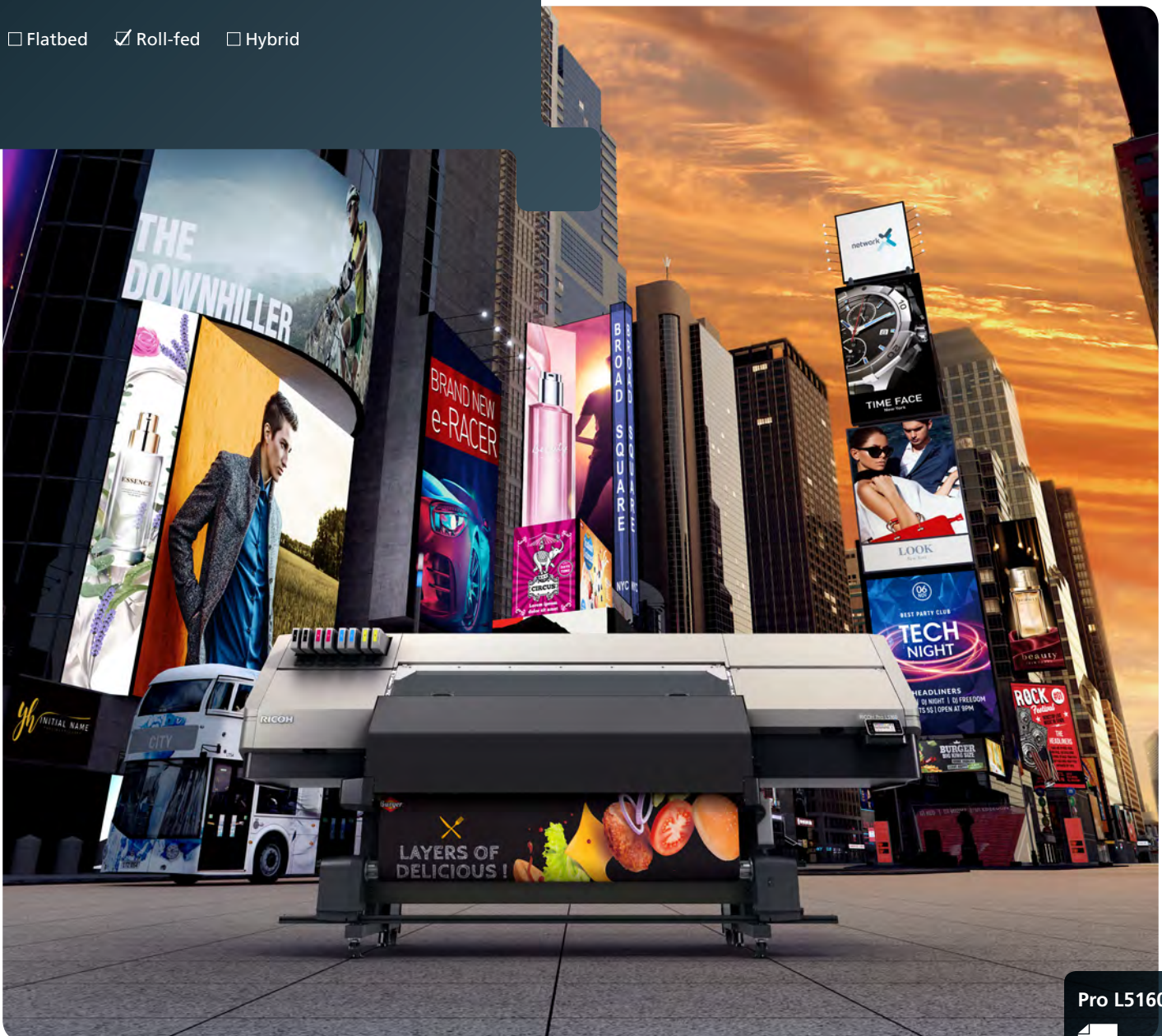


Wide Format Latex Printer

# RICOH Pro L5160

Flatbed  Roll-fed  Hybrid

**RICOH**  
imagine. change.



Pro L5160

up to  
502.5  
ft./hour full color

## Drive improved productivity and profitability

The RICOH Pro L5160 Wide Format Latex Printer is designed for demanding production environments that require the versatility of a high-speed system with superior capabilities suitable for both durable outdoor signage and high-resolution indoor graphics. Deliver exceptional image quality, vibrant colors, high opacity whites and rich blacks with a maximum resolution of 1200 x 1200 dpi. This system supports media up to 64" wide and features three staggered Ricoh industrial-grade printheads for years of predictable, precise results. Print at speeds up to 502.5 ft<sup>2</sup>/h in production mode and for jobs that require fine detail at a close viewing range, operate at speeds up to 270 ft<sup>2</sup>/h. Ricoh's AR2 Latex Inks are instantly dry and scratch resistant, ready for immediate finishing and handling. Offering easy operation, powerful Onyx® RIPCenter™ software, and automated daily maintenance, the RICOH Pro L5160 enables your business to keep pace with tight deadlines and seasonal demands.

### It's all about the applications

From traditional signage to cutting-edge applications, the RICOH Pro L5160 allows you to integrate true media versatility with high image quality to help you maximize profitability. Expand your customer base with support for posters, banners, signs, decals, window graphics, vehicle graphics, POP displays, floor graphics, textiles/soft signage, wall coverings, fine art prints, packaging proofs and more.



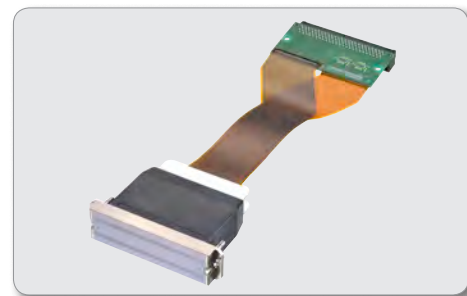
### Take advantage of fast-cure latex inks

Ricoh's second generation AR Latex Inks are cured and scratch-resistant as soon as they exit the printer, ready for immediate finishing or installation. Unlike solvent inks, there is no out-gassing required. Ricoh's GREENGUARD-certified latex inks have a very low odor and require no special ventilation, making them safer for your operators, customers and the environment. These latex inks are ideal for installation in locations where prints utilizing solvent-based inks are unsuitable, like healthcare, hospitality and education facilities.



### Rely on industrial-grade printheads

The RICOH Pro L5160 utilizes Ricoh's industrial grade MH5441 printheads designed for an extended service life while ensuring day-one image quality over time. Variable-drop volume capability allows the creation of a range of drop sizes for stunning images, sharp text and smooth tonal transitions.



## Deliver superior image quality with CMYK or CMYK plus white printing

Drive repeat business by delivering vibrant colors, and rich, dense blacks. Variable-drop technology ensures sharp, accurate text, natural skin tones and smooth gradations with a maximum resolution of 1200 x 1200 dpi. Configure the RICOH Pro L5160 with white ink to expand your capabilities to clear and colored media. Flood white ink to make colors pop, use white as an eye-catching spot color, or take advantage of white as a mid-layer for day/night applications.



## Media versatility for more profitable applications

The RICOH Pro L5160 can handle a wide variety of traditional signage substrates and offers support for 2-inch and 3-inch roll cores up to 55 kgs/121 lbs. Print on pressure-sensitive vinyl, banner, canvas, paper, backlit/clear films, textiles and more. Broaden your revenue streams when you have more media choices for indoor and outdoor installation. Increase your bottom line and capture more of the market with high-margin applications for retail, events, trade shows, seasonal promotions and more.



## Automate PDF workflows for ultimate control

RIP jobs fast, automate repetitive tasks and make it easier to get from PDFs to a finished product. Onyx RIPCenter software comes included with the RICOH Pro L5160 and provides a full 64-bit platform with the latest Adobe® PDF Print Engine and a proprietary color engine featuring color-managed previews to help ensure what comes out of the printer matches your expectations. Get up and running in minutes with an intuitive interface and tools to help you streamline job prep, reduce errors and minimize material waste.



## Simple to use, easy to maintain

The RICOH Pro L5160 features a large, intuitive color touch panel for easy operation and features a pull-out media feed system for ease of use when loading media. Maximize uptime and performance with the automated daily maintenance system, reducing operator intervention and ensuring reliable consistent results. Unattended device management is made simple with the optional Attention Light, that can be seen from virtually any view in your shop, or remotely access job processing status, remaining media and network settings with Web Image Monitor for optimal performance.



# RICOH Pro L5160

SYSTEM SPECIFICATIONS



## General Specifications

<b>Printing Process</b>	On demand Piezo inkjet system (3 RICOH MH5441 industrial grade printheads - staggered configuration)
<b>Ink Type</b>	Latex Ink (2nd Generation AR Ink)
<b>Resolution</b>	450dpi, 600dpi, 900dpi, 1200dpi
<b>Minimum Drop Size</b>	5pl
<b>Ink Configuration</b>	4 colors: CMYK 4 colors + White: CMYK, W 4 colors and white: CMYK, W
<b>Capacity of Ink Cartridge</b>	– 600ml – 1200 ml
<b>Media Type</b>	Self-adhesive vinyls, films, papers, canvas, banners, synthetics, mesh, fabrics/textiles
<b>Printing Width (max)</b>	63.6" (1,615mm)
<b>Printing Surface</b>	Side facing outward
<b>Roll Media</b>	Media feed width 64" (1,625mm) maximum 11.7" (297mm) minimum Thickness Up to 0.43 mm (17 mil)
	Outside diameter Maximum 9.8" (250mm) or less
	Inside diameter 2" or 3"
	Media weight Maximum 121 lbs. (55 kg) or less
	Media feed length Maximum 300mm or less
<b>Print Margin</b>	Roll media Left and right end: 0.59" (15mm) (default), minimum 5mm (without media guide) Front: 0mm
<b>Media Skew</b>	5.0mm or less /10 m variable
<b>Cutting</b>	Y axis cutting (manual or auto)
<b>Auto Cutting Positioning:</b>	60/ 80/ 100mm distance from the end of image data
<b>Waste Ink Tank</b>	2L Bottle
<b>Printer Interface</b>	Ethernet 100BASE-TX/1000BASE-T (Recommended)
<b>Power Source</b>	AC208-240V 16A 50/60Hz x 2 lines
<b>Power Consumption (max)</b>	Operate: 600W Sleep: 5.35W Off: 0.5W
<b>Dimension (W x D x H)</b>	128.3" x 39.3" x 58"
<b>Weight</b>	(3,259 x 999 x 1,472mm) 820.1 lbs. (372 kg)
<b>Operation Panel</b>	4.3" uWVGA (Color touch panel + hard keys) Displayed languages: Japanese, English, German, French, Italian, Spanish, Dutch, (European) Portuguese, Russian, Korean
<b>Sound Power Level:</b>	Stand-by 67dB or less Operating 72dB or less
<b>ENERGY STAR:</b>	Certified (4 Color Configuration only)
<b>Installation Environment</b>	Usable Temperature 15°C to 30°C (59°F to 86°F) Usable Humidity 35% to 80% Rh (no condensation) Precision Guaranteed Temperature* 20°C to 25°C (68°F to 77°F) Precision Guaranteed Humidity*: 40% to 60% Rh

## Print Speed:

<b>Full Color Printing (CMYK)</b>			
	4C	Resolution (dpi)	4C+W Resolution (dpi)
6 pass	502.5 (ft <sup>2</sup> /hr)	600 x 450	268 600 x 450
8 pass	349.7	600 x 600	203.3 600 x 600
12 pass	269.1	600 x 900	138.8 600 x 900
16 pass	165.7	600 x 1200	93.6 600 x 1200
32 pass	96.6	1200 x 1200	44.1 1200 x 1200

## White Color Printing

<b>White Layer</b>	4C+W (ft <sup>2</sup> /hr)	Resolution (dpi)
<b>Single Layer (White only)</b>	82.8	600 x 900
<b>White - Color</b>	47.3	600 x 900
<b>Color - White</b>	66.7	600 x 900
<b>Color - White - Color</b>	40.9	600 x 900

## Ricoh Software RIP

<b>Onyx RIP Center</b>		
<b>Desktop PC Specification</b>	OS	Windows 7 64 bit (Professional, Enterprise, Ultimate), Windows 8.1 64bit (Professional, Enterprise), or Windows 10 64bit (Professional, Enterprise)
	CPU	Intel Core i7 or later
	RAM	16GB or more
	HDD	750GB or more
	USB Port	2
	Network	Gigabit Ethernet adapter
	Monitor	1280 x 1024 or more
	Supported languages	Japanese, English, Italian, Greek, Spanish, Czech, German, French, Polish, Portuguese, Chinese (simplified/traditional), Korean
<b>Input Data</b>	Format	EPS, PS, PDF, Remote Proofing, Targa, TIFF, JPEG, BMP, DIB, Scitex CT, JPEG, PSD, PSD Large, GIF, PC Paintbrush, Photo CD, MirSID, ILS, PNG, JDF
<b>Rendering</b>	PS core	Adobe Normalizer
	PDF core	Adobe PDF Print Engine (APPE 4.8)
	Dot	2 bit - 4 values
	Rendering	16 bit
	Halftone	Dither, random dither
<b>Color matching</b>	ICC	ICC profile CMYK special color max 3 colors vector/raster processing, maintain true color proceeding
	Input profile	Defined by quickset or design files
	Gray balance	Defined by input profile and/or print mode
	Color adjustment	Ink limit (all or each color), torn curve adjustment, Black color adjustment

Compatible RIP Software: Onyx, ColorGate, SAi, Caldera & Wasatch

## Consumables\*

<b>Ink Pack</b>	<b>Cartridge Capacity</b>
Black	600ml, 1,200 ml
Cyan	600ml, 1,200 ml
Magenta	600ml, 1,200 ml
Yellow	600ml, 1,200 ml
White	600ml, 1,200 ml

## Additional Consumables

RICOH Flushing Cartridge Type C2  
RICOH Displacement Cartridge Type C2  
RICOH Cleaning Cartridge Type C2  
RICOH Maintenance Kit Type C2  
RICOH Waste Ink Bottle Type C2  
RICOH Cleaning Stick Type C2

\*For maximum performance and yield, we recommend using genuine Ricoh parts and supplies

Specifications are subject to change without notice.

## \*About GREENGUARD Certification

UL GREENGUARD GOLD Certification to UL2818 indicates products that are certified to UL's GREENGUARD standards, having low chemical emissions and improving the quality of air in indoor environments in which the products are used. For more information, visit [ul.com/gg](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

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