

**RICOH**  
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# New Ricoh AR Latex ink technology

Expands your applications and your business.



Pro™ L4130  
Pro™ L4160  
AR Ink

## Bigger, brighter colour range. Better image quality and productivity.

If you want to deliver a wider variety of display material in high quality colour, faster and more efficiently, you need the new Latex ink technology from Ricoh. Thanks to the addition of orange and green inks you benefit from brighter images as well as a greater colour gamut that's up to 93% of the Pantone® range. These eco-friendly, durable AR inks are ideal for both indoor and outdoor use where they can last two years in most conditions.



### Six-colour process including orange and green

With the orange and green inks as process colour, not only spot colour, a wider colour gamut is available which cannot be achieved by standard CMYK 4-colour process printing. This makes it perfect for posters and POPs for fresh-looking food industry products. It also allows superior reproduction of company logos. Improved spot colour enables superb design package proofs.



### Delivers rich and contrasting details

By increasing the density of black ink, sharper, richer details can be produced. In addition, the improved glossiness creates more vivid, dramatic colours.



### White ink for more vivid results

A white ink layer provides more vibrant colour results on transparent substrates such as window film and shatterproof film, which meets a wide variety of needs in the sign graphics industry.

# Dramatically improves efficiency



## Excellent drying. Added flexibility

The ink dries fast, it means that secondary processes such as laminating and installing can be instigated immediately. Since drying time is not required, total work-efficiency is dramatically improved. Also the 60 degree C cold cure capability for various heat-sensitive media not only gives extra flexibility but also saves money by lowering power consumption.

## Three layer printing. Three ink configurations

By printing white ink as a foundation of the colour layer, full colour printing on transparent media is impressively enhanced. Also, as it prints white ink between the colours, images can be seen on both sides even though they are printed on just one side. This also enables more dramatic and impactful colour when signage is lit from the reverse at night.

You benefit too from the ability to select three different ink configurations: 4-colour for productivity, six colour for quality and wide colour gamut and six colour plus white for quality, vertical and industrial applications.



## Environmentally friendly

- Low smell and VOCs – so unlike solvent ink there is no need for special ventilation
- Awarded Greenguard Gold certification set by UL Environment in recognition of its low chemical emissions and improvement in air quality where it is used. This also signifies that that it is acceptable for use in environments such as educational and medical facilities
- Repeat-use ink cartridges
- Eco-friendly ink pack

## New head and jetting technology

- The new Ricoh high-speed print heads and new AR ink technology ensure excellent image quality and reliability whilst reducing ink consumption
- Multiple drop sizes with a minimum size of 4pl



# About Ricoh

Ricoh is a global digital technology specialist, a service-oriented company providing end-to-end solutions through expertise in areas such as professional services, software solutions and production printing. Ricoh helps businesses be more productive and profitable.

## Expands the range of applications

- Outdoor advertising: Banners, billboards, building wraps, flags, outdoor banners, transit signage
- POS/POP: Advertising posters, Pop-up/roll-up displays, promo panel display panels, window graphics
- Exhibition & Event: Flags, floor graphics, light boxes, outdoor banners, pop-up/roll-up displays, window graphics
- Decoration: Carpets, decorative prints, wall coverings
- Photo & Fine Art: Design, digital fine art, photo enlargements
- Signs: Double-sided, information signs, light boxes, personalised signs, soft signage, special, traffic signs
- Corrugated packaging: Displays, statement packaging
- Labels: Wine, food and beverage, pharmaceuticals, cosmetics, household goods

## Ticks all the right boxes

New AR inks benefits	Improved with AR inks	Same as current	Remark
Print speed	✓		Improved productivity up to 33.1 m <sup>2</sup> /h
Glossiness CMYK	✓		
Glossiness K		✓	
Gamut	✓		Improved print quality
Drying time	✓		Reduced drying time
Curving temperature	✓		Can print to wider media and reduce energy consumption
Adhesion	✓		Especially good for PET film
Alcohol resistance		✓	
Safety to a human body	✓		
Environmental friendly		✓	
Daily maintenance		✓	
Ink shelf life	✓		Improved latex consumables offering

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