Enlarge your business with Ricoh.

RICOH
imagine. change.

The new Ricoh Pro L4100 series with aqueous durable (latex) inks.

RICOH Pro L4100 series

18.2 m²/h

Your ideal way into large-format.
The new Ricoh Pro L4100 series is the perfect solution when you want to complement your offering with display printing.

Hugely versatile, these printers will give you a wide variety of display material in high quality colour, thanks to the Ricoh GEN5 print heads. By using the latest patented multidrop jetting technology, these heads can create a droplet as small as four pictoliters, resulting in smoother colour gradation with no need for light magenta or cyan. What's more, thanks to the addition of orange and green inks, you'll also benefit from brighter images as well as a greater colour gamut – up to 93% of the Pantone® range.

Durable inks for inside and out.
The L4100 series uses eco-friendly, durable latex inks, which are suitable for indoor and outdoor use. The anti-fade qualities are good and sufficiently weatherproof to last two years in most conditions. Cartridges are reusable as well, reducing waste and saving money.

Print on almost anything.
You can print on a huge variety of media such as films, textiles, vinyls and papers as well as creating POS/POP displays. You can even use the L4100 series as a label printer for short runs. A maximum output of $18m^2$/hr means the best productivity in its class. And there's no waiting for secondary processes either, because drying is almost instantaneous, thanks to its built-in heat unit.

Cleaner and safer.
Finally, low VOCs mean no special ventilation is needed, making installation and operation of the Ricoh Pro L4100 series easier and safer.

Go large-format with the
new Ricoh Pro L4100 series.

Product highlights.

Temperature control
Fan unit vents keep temperature constant for stable printing.
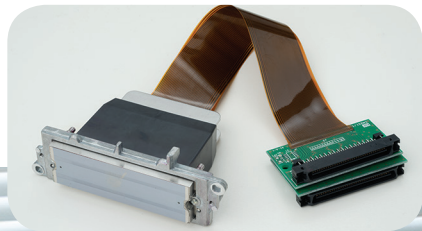
Ink cartridge configurations
4-colour mode (x2 CMYK)
6-colour mode (CMYKOrGr)
6-colour + white mode
(CMYKOrGr + x2 W)
The green and orange enable approximately 93% of the Pantone® colour chart to be matched.
Prints three layers in one pass.

Reusable ink cartridge
The ink cartridges can be used repeatedly by changing the ink packs. This eco-cartridge methodology helps to reduce waste costs.

Media output
The printed media slides on to the platen where three heaters are installed. These fix and dry the printed image as it slides through. There is an electrostatic sheet to prevent sticking. This enables secondary processing, such as lamination, to take place immediately.

RICOH

THE BICYCLE SHOP

RICOH-EUROPE.COM

5 HOURS
$24.99

3 DAYS
$39.99

1 WEEK
$59.99

Printed on Ricoh Pro™ L4100 series

Print heads
Ricoh GEN5 high-speed piezo durable print heads produce a multiple drop size with a minimum of just four picoliters.

Operation panel
This intuitive and easy to operate display panel incorporates machine status display, data activity and heater indicators.
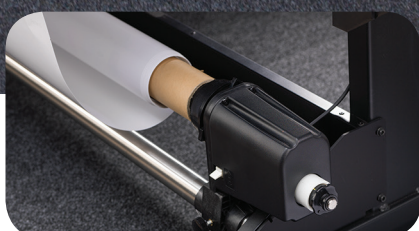
Cleaning solutions cartridge
For easy and regular maintenance of print heads. Situated on back of machine.

Roll holder / take up device
There is no need to wait for printed material to dry which means it can be rolled onto the take up device immediately after printing.
The device supports a material core from 210mm to 1.6m in width with a maximum weight of 25kg and a media inner core of 66mm and outer diameter of 180mm.
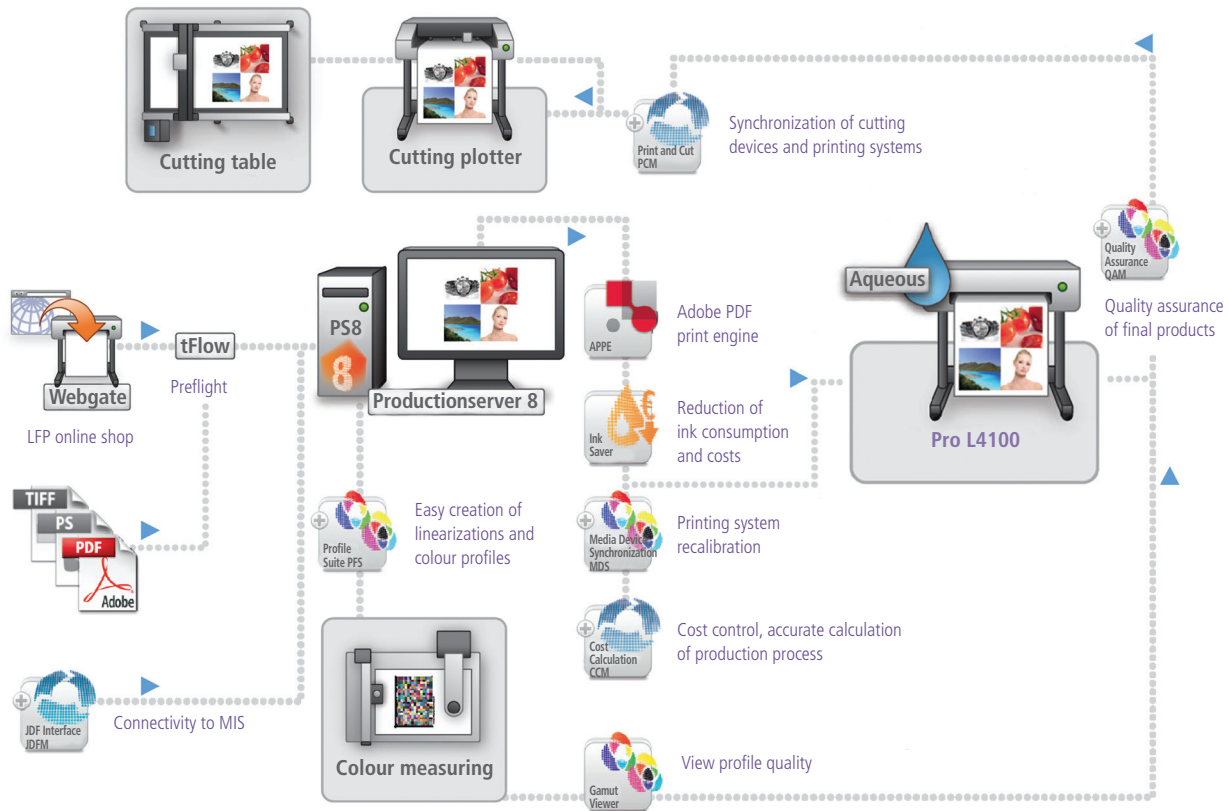
Waste tank
For easy and convenient disposal of ink waste.

ColorGATE

Production server

Cutting table

Cutting plotter

Print and Cut PCM — Synchronization of cutting devices and printing systems

Webgate — LFP online shop

tFlow — Preflight

PS8 — Productionserver 8

APPE — Adobe PDF print engine

Ink Saver — Reduction of ink consumption and costs

Profile Suite PFS — Easy creation of linearizations and colour profiles

Media Device Synchronization MDS — Printing system recalibration

Cost Calculation CCM — Cost control, accurate calculation of production process

Colour measuring

Gamut Viewer — View profile quality

JDF Interface JDFM — Connectivity to MIS

Aqueous — Pro L4100

Quality Assurance QAM — Quality assurance of final products

The L4100 series includes the option for the PS8 production server from ColorGATE, the technological leader in workflow automation for large format printing.

The server has the latest Adobe PDF print engine (APPE) which makes smooth, highly automated PDF workflow easy. You will also benefit from a user friendly interface with outstanding functionality, accurate colour management, rapid profiling, recalibration and quality control.

Clever cost control
A useful Cost Calculator feature lets you provide precise quotes before printing and the Container function positions each job optimally to ensure minimum material usage.

There are also two clever optional extras available, too. Firstly an Ink Saver module that can cut ink use to a minimum by intelligent replacement of cyan, magenta and yellow in neutral areas with black ink. Secondly, there's the Print and Cut PCM module that lets you control cutting plotters and tables.

Outdoor display

Display graphics

Backlit display

Vehicle graphics

Labels

In-store POS display

Floor graphics

High quality prints and posters

Window graphics

Applications and media.

Outdoor advertising
Banners, billboards, building wraps, flags, outdoor banners and vehicle graphics.
Film, tarpaulin, synthetic paper OPP, PET films, self-adhesive vinyl and textiles.

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

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

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

Decoration
Wall covering.
Textiles, paper, film and self-adhesive vinyl.

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.

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

Ricoh Pro L4100 series

Product specifications

INK TYPE
Aqueous durable (latex) ink.

INK SET COMBINATIONS
4-colour mode (x2 CMYK)
6-colour mode (CMYKOrGr)
6-colour+white mode (CMYKOrGr + x2 W)

MAXIMUM PRINT WIDTH
Pro L4130 : 1361mm
Pro L4160 : 1610mm

MAXIMUM MEDIA WIDTH
Pro L4130 : 1371mm
Pro L4160 : 1620mm

MEDIA WEIGHT
25kg or less

PRINT HEADS
Ricoh GEN5 high-speed piezo durable print heads.
Multiple drop size with a minimum of 4 picoliters.

PRINT SPEED
18m^2/hr

RESOLUTION
900 x 900dpi
900 x 1200dpi
1200 x 900dpi
1200 x 1200dpi

INK CAPACITY
600cc CMYKOrGr
220cc white

POWER SOURCE
100~120V
200~240V

MAXIMUM CONSUMPTION
1440W x2
1800W x2

DIMENSIONS W × D × H / WEIGHT
Pro L4130
2634mm x 854mm x 1435mm / 203kg
Pro L4160
2879mm x 854mm x 1435mm / 239kg

ENVIRONMENTAL
New aqueous durable (latex) inks have very low emissions of VOCs (volatile organic compounds) and lack of odour requiring no ventilation.
Ink cartridges can be used repeatedly, reducing waste and cost.

PRODUCTION SERVER
ColorGATE PS8 (Adobe PDF print engine)
Intuitive control and user interface.
Optimal colour reproduction.
High quality modular components.
Maximum productivity.
Ricoh software RIP*

PC SPECIFICATIONS
Windows Vista SP2 or later (32bit / 64bit)
Windows7 (32bit / 64bit)
CPU: Intel core 2Duo 1.8GHz or more
Memory: Min 2GB / 100GB HDD

CONFIGURATION / INTERFACE
USB connection (5 metres recommended)

MEDIA
Wide ranging media compatibility which includes thin coated paper, PET, tarpaulin, weatherproof PVC, window film, polyester and cotton.
Thickness 0.3mm or less.

CURING TIME
Fast curing for secondary processing such as lamination.

*Alternative Ricoh RIP information available on request.

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INSIGHT

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