

XL  
PERFORMANCE

# ALL IN! ONE.

FAST FLEXIBLES. RELIABLE RIGIDS



**Colorado XL-series**

UVgel 3.4m/11ft graphics production printer

**Canon**



# COLORADO XL-SERIES

## UVGEL 3.4M/11FT GRAPHICS PRODUCTION PRINTER

### Fast flexibles, reliable rigids

Imagine a highly automated, 3.4m/11ft graphics production printer that lets you produce flexible applications such as posters, banners and soft signage at fast production speed. All with smart technology that helps you avoid wrinkles without constant machine babysitting.

Now imagine that same rugged, reliable printer lets you create stunning rigid applications such as displays, packaging and interior décor. All with the flexibility to print in high gloss, optional matte, and even combine both finishes in a single print.\*

### All in! One. Smart. Virtually seamless. Application. Experience

Imagine no more. Meet the Colorado XL-series, a 3.4m/11ft graphics production printer designed to handle both flexible and rigid media with equal speed and ease!

All in one highly-productive, modular, future-proof system. All with unique image quality and creative effects that are only possible by jetting UVgel.

### Unique UVgel technology

The Colorado XL-series brings you all the unique advantages of UVgel, now with the widest and fastest UVgel applications ever. All with one gelset for both flexible and rigid media.

Our UVgel is a unique Canon technology, found only in our Colorado printers. We developed and manufacture the gel. We also developed and manufacture our own powerful UVgel 850 printhead technology.

That's enabled us to build a system that redefines printing performance for a wide range of applications. All with the UVgel advantage. **All in! One.**

**THE COLORADO XL-SERIES  
BRINGS YOU ALL THE UNIQUE  
ADVANTAGES OF UVGEL**

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# COLORADO XL-SERIES OVERVIEW

## ALL IN! ONE.

The Colorado XL-series is a productive roll-to-roll graphics printer with a smooth growth path to a full hybrid printer for both flexible and rigid applications. It's available in a roll-to-roll, hybrid and dual-roll version\* with varying media handling options, including modular front-and-back rigid tables. All field upgradable.

UVgel 850 PRINTHEAD  
TECHNOLOGY

UVgel  
CMYKW\*\*

UVgel Box  
2 LITRE

Express mode  
211 M<sup>2</sup> OR 2293 FT<sup>2</sup>/HOUR

Production mode  
106 M<sup>2</sup> OR 1141 FT<sup>2</sup>/HOUR

Quality mode  
70 M<sup>2</sup> OR 753 FT<sup>2</sup>/HOUR

Optional  
DUAL USER  
INTERFACE

Maximum width  
3.4M/11 FEET

Maximum thickness  
52 MM/2 INCH

Optional  
FRONT-AND-BACK RIGID TABLES

COLORADO XL7 ROLL-TO-ROLL PRINTER  
COLORADO XL7 HYBRID PRINTER



# JETTING GEL: THE PROVEN UVGEL ADVANTAGE

In 2017, we launched the successful 1.6m Colorado line of roll-to-roll printers based on our first-generation UVgel technology. Today, thousands of large-format graphics print service providers around the world benefit from the advantages of our UVgel technology.



## ADVANTAGES OF THE UVgel TECHNOLOGY

Colour gamut  
Light fastness

Indoor usage  
No drying time



Productivity  
Low temperature

### Now for fast flexibles and reliable rigids

With the Colorado XL-series, we bring you these advantages for the production of flexible and rigid applications up to 3.4m/11ft wide.

### Fast, high-quality printing

The special consistency of UVgel offers amazing capabilities for fast, high-quality printing. The resulting prints have a wide colour gamut, outstanding, crisp image quality and are instantly dry without smudging or sticking.

### Robust, flexible, light-fast, scratch-resistant

UVgel prints are robust, flexible, light-fast, and scratch-resistant, even immediately after printing, for a powerful impact across a broad range of applications.\*

### Uniformity, repeatability, colour consistency

The absence of heat in the curing process and the intrinsic gel properties in the Colorado XL-series contribute to prints having excellent uniformity, repeatability and colour consistency. From print to print, job to job.

### UVgel ADVANTAGES

- ✓ Print creative applications with a spectacular colour gamut
- ✓ Choose matte or gloss or combine the two\*\* for creative effects with our optional FLXfinish\* technology
- ✓ Print specialty applications with intriguing textures using our PRISMAguide XL software, sold separately and optional FLXture technology
- ✓ Enjoy UVgel White, a white gel option that works like any other colour
- ✓ Benefit from low running costs thanks to efficient gel and low energy usage, and Smart Guided Workflow that promotes first-time right printing, all from a single odourless system



# FIVE WAYS THE COLORADO XL-SERIES CAN EMPOWER YOUR GRAPHICS BUSINESS

## ALL IN! ONE.



**1 ONE FASTER, WIDER  
UVGEL ADVANTAGE\***



True hybrid  
Modular to the Max

**2 ONE MODULAR DESIGN TO CHOOSE  
WHAT YOU USE**



Application  
fit for growth

**3 ONE PRINTER FOR BIG, BOLD, BUSINESS  
BOOSTING GRAPHICS APPLICATIONS**



Future proof  
investment

**4 ONE FUTURE-PROOF INVESTMENT  
CONCEPT**



Sustainable  
profit

**5 ONE DESIGN TO SUPPORT YOUR  
SUSTAINABILITY EFFORTS**



# 1 ALL IN! ONE FASTER, WIDER UVGEL ADVANTAGE\*



As the next step on our roadmap, our new UVgel printer gets wider and faster with bigger applications compared to the Colorado M-series roll-to-roll printer.

Fitted to handle two 1.6m/64 inch rolls, the Colorado XL-series introduces UVgel technology for both rigid and roll-to-roll printing up to a comfortable 3.4m/11ft.

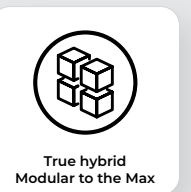
We've optimised the gel composition to be able to print on both flexible and rigid media with one gelset. This extends the advantages of gel jetting to packaging, interior décor, and retail applications.



USING A GEL INSTEAD OF A LIQUID INK SOLVES MANY OF THE PROBLEMS THE TRADITIONAL INK TECHNOLOGIES STRUGGLE WITH.



# 2 ALL IN! ONE MODULAR DESIGN TO CHOOSE WHAT YOU USE



Colorado XL7 roll-to-roll



Colorado XL7 hybrid

The Colorado XL-series is a modular design concept to the max. It combines excellent roll-to-roll media handling with reliable rigid capacity. Plus production automation and quality assurance features that will rock your production factory.

Whatever applications or configuration you need, you'll likely find it in the Colorado XL-series.

## Industrial quality

A Colorado XL-series is an investment in taking your business to the next level, today and in the future. It's powerful and versatile enough to become the heart of your business and can grow with you as you expand.

## One machine, many configurations

You configure your Colorado XL-series to your current business needs. With the same basic printer, it can be your entry into the 3.2m/10ft graphics market or an extension of your current capabilities.

ALL IN! ONE MODULAR CONCEPT TO CHOOSE WHAT YOU USE.





# 3 ALL IN! ONE PRINTER FOR BIG, BOLD, BUSINESS BOOSTING GRAPHICS APPLICATIONS

## Packaging

- E-commerce packaging
- Premium primary packaging
- POS display
- Specialised, added-value applications to highlight FLXfinish\*
- Intriguing textures with FLXture
- Prototyping and short-run

## Retail

- Posters
- Signage
- Window graphics
- Backlit light boxes
- Vehicle graphics

## Interior décor

- Wallpaper
- Wallcoverings
- Floor graphics
- Canvas
- Acoustic panels



### With the Colorado XL-series, you got it! All in! One.

With the Colorado XL-series, you can explore and produce a growing variety of big, bold graphics applications with just one printer. Everything you need for your everyday success today while focusing on the future:

- ✓ Vibrant brand colours with a high gloss for displays and packaging
- ✓ An amazing soft signage look and feel
- ✓ Matte and gloss combination\* options with creative effects
- ✓ Specialty application options with intriguing textures
- ✓ Velvety matte for interior décor
- ✓ Rigid, odourless applications

### Certified applications for indoor and out

UVgel is GREENGUARD Gold certified. The prints are durable, lightfast, abrasion-resistant and washable, making them suitable for outdoor applications, even without lamination.\*\*

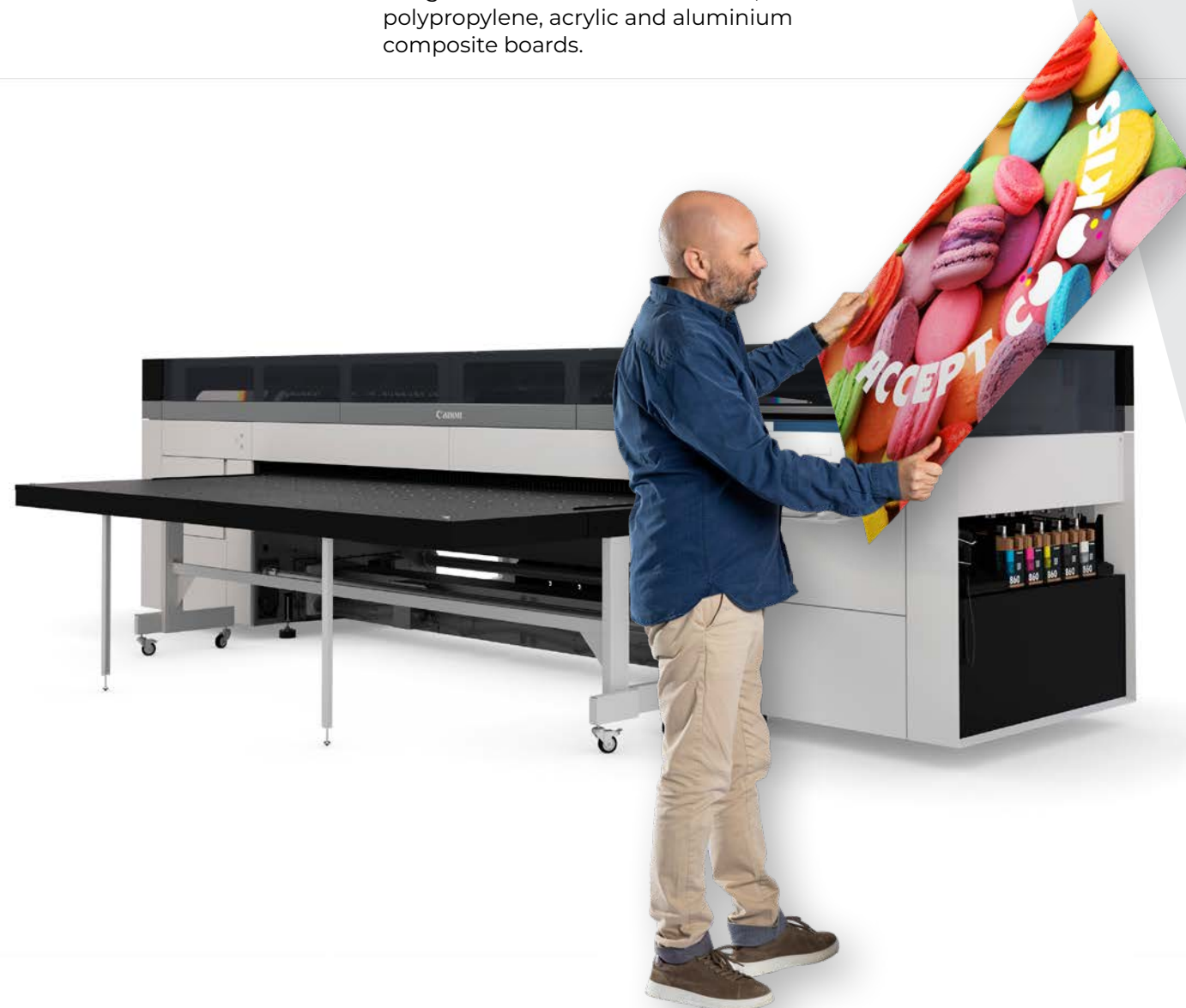
### UVgel. Ready to sell

UVgel applications are suitable for a wide range of roll-to-roll media, including vinyl, paper, banner, film, canvas, polyester textiles of any colour, heat-sensitive and cost-effective uncoated media.\*\*\*

This also includes textured, structured, transparent, coloured, metallic, reflective and even magnetic media. And the Colorado XL-series extends the scope and advantages of UVgel jetting to rigid media such as foam board, polypropylene, acrylic and aluminium composite boards.



Application fit for growth



## 4 ALL IN! ONE FUTURE-PROOF INVESTMENT CONCEPT



Future proof investment

We've designed the Colorado XL-series as a future-proof concept for you. All in! Choose the configuration you need today and upgrade as your business grows. And future-proof service options give you control over your service response times and machine uptime. Your local Canon representative can help explain all the options.

### Upgradable by design

The Colorado XL-series is designed for future-proof, in-field upgradeability. You invest only in the productivity level you need today. Then upgrade to easily increase options and productivity as your business grows.

### Service concepts to keep you printing

Colorado XL-series printers are designed for high uptime and consistent print output over time. Low-maintenance by design, you can also benefit from innovative service concepts to reduce downtime even further. These range from automated maintenance to remote service to operator-maintenance agreements.

### The smart financial investment

The Colorado XL-series is designed with low Total Cost of Ownership in mind. It's a smart financial investment, which you can quantify. Ask your Canon representative for details.

## 5 ALL IN! ONE DESIGN TO SUPPORT YOUR SUSTAINABILITY EFFORTS



Sustainable profit

From design, manufacturing and recycling to energy, gel and media use, the Colorado XL-series is engineered to support your sustainability efforts.

Our technology offers low-temperature curing and low gel consumption. Thanks to its durability, many applications can be produced without the need for lamination.

Smart automation features promote first-time-right printing to help minimise waste. A broad range of service support can help reduce service engineer visits.

Our UVgel box packaging is designed for efficient use of resources. The outer box is recyclable as paper and contains no electronic components; the inner bag minimises chemical waste and reduces lifecycle impacts.

Some media manufacturers have certified their media via ClimatePartner\*.





# ALL IN! ONE BLAST OF INNOVATIONS FOR YOUR GRAPHICS PRINTING

The Colorado XL-series combines the proven advantages of UVgel technology with innovations that help expand your large-format graphics capabilities.

## TECHNOLOGY INNOVATIONS INTRODUCED IN THE COLORADO XL-SERIES



**UVGEL  
850 PRINthead TECHNOLOGY  
WITH UVGEL 860 GELSET**



**UVGEL  
TRIDRIVE VACUUM BELT SYSTEM**



**UVGEL  
DYNAMICMOTION CONTROL**



**UVGEL  
FULLBEAM CURING**





# UVGEL 850 PRINthead TECHNOLOGY



At the heart of the Colorado XL-series is our in-house developed and manufactured UVgel 850 printhead technology. These printheads are so advanced that we only need two of them for the regular CMYK colours and an optional third printhead for printing UVgel White.

Designed for productive, high-quality large-format graphics, each printhead has 4,544 nozzles, with automated nozzle monitoring and instant correction.

### PAINT technology

The Colorado XL-series features PAINT, our Piezo Acoustic Integrated Nozzle Technology. It continuously monitors performance. When a nozzle malfunctions, it's temporarily switched off with neighbouring nozzles kicking in to compensate. So you can just keep making excellent quality prints!

### UVgel 860 gel

The Colorado XL-series introduces the UVgel 860 gelset. This gelset is optimised to cover a wide variety of both rigid and flexible applications while providing the well-known advantages of UVgel.

### These include:

- ✓ Excellent colour consistency
- ✓ Odourless and instantly-dry prints
- ✓ Matte and gloss finish without the need of a separate varnish
- ✓ Dimensional stability due to low-temperature curing
- ✓ TPO and VCL free

## THE PROVEN ADVANTAGES OF UVGEL TECHNOLOGY

### FLXfinish+ option

Choose matte or gloss or combine the two\* for creative effects with our optional FLXfinish+ technology.

### FLXture option

Add textured finishes that mimic the look and feel of materials such as leather, wood or fabric, or specialty media, for applications such as wall coverings, retail graphics, high-end interior décor and packaging.

### UVgel White option

Print white gel like any other colour and overcome common clogging and maintenance problems which may occur with some other white ink technologies\*\*.

### Low gel usage, no odour, instantly dry, usable prints

Benefit from the classic advantages that UVgel brings to large-format graphics printing: low gel usage, no odour, instantly dry, usable prints. All from one gelset.

### The proven advantages of UVgel technology

- ✓ FLXfinish+ option
- ✓ FLXture option
- ✓ UVgel White option
- ✓ Low gel usage, no odour, instantly-usable prints

## ALL IN! ONE. UVGEL PLATFORM



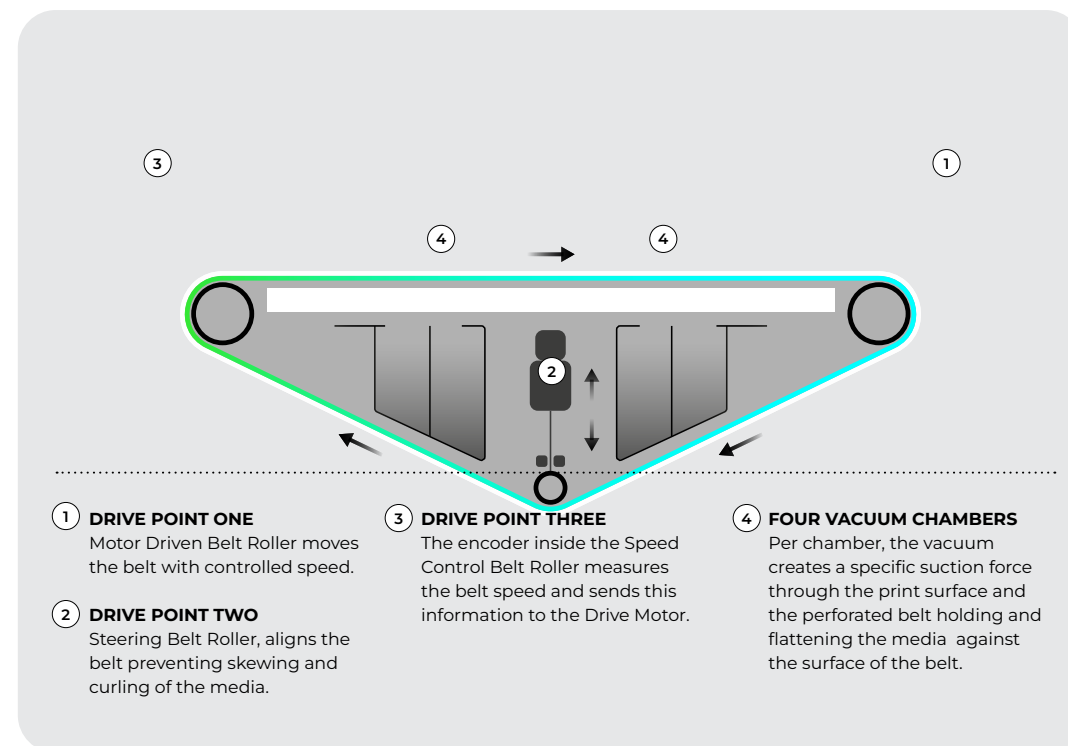
Colorado XL-series



# UVGEL TRIDRIVE VACUUM BELT SYSTEM



The Colorado XL-series introduces our unique UVgel TRIdrive (Three Roller Interactive) vacuum belt system. It's designed to help limit errors at job start-up, for easy loading, highly precise media positioning and reliable unattended printing that helps users create razor-sharp applications that truly impress.



## Accurate placement and transportation

The UVgel TRIdrive vacuum belt system features three interactive rollers and multiple powerful vacuum zones that automatically detect and correct the media positioning to reduce wrinkling and skewing.

Its advanced, self-steering belt system provides unparalleled stability and control when handling a variety of media types, from stretchable flexible materials to challenging rigid substrates. The UVgel TRIdrive delivers a number of additional benefits for flexible media.

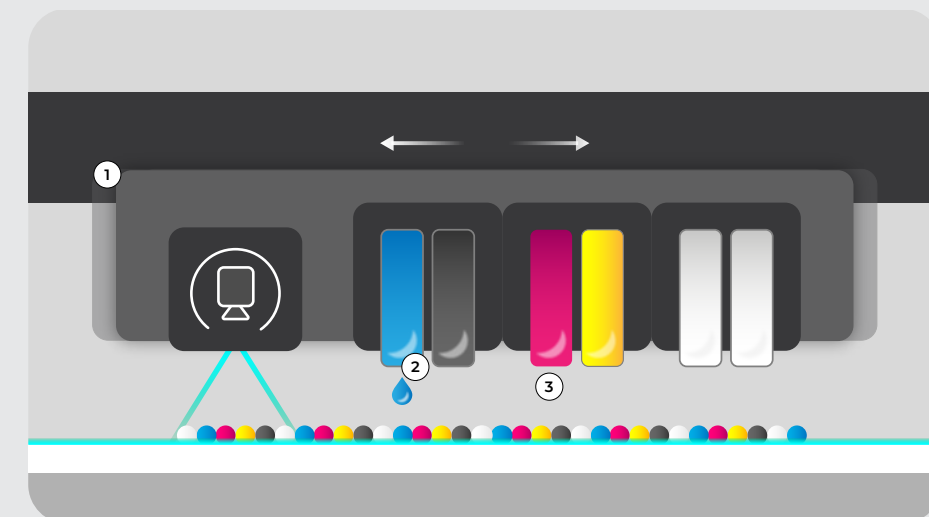
## These include:

- Automatic loading and straightening for reliable operation, ideal for less experienced operators
- EdgeForward printing that promotes media savings
- Unattended printing through automatic tension adjustment on the feeding and take-up spindles

# UVGEL DYNAMICMOTION CONTROL



The Colorado XL-series has an agile and precise printhead carriage that features UVgel DynamicMotion Control. This helps to ensure exceptional print quality even with challenging media.



- 1 HIGH SPEED MACHINE VISION TECHNOLOGY**  
Analyses the UVgel dot position on the media.
- 2 UVGEL DOT IDENTIFICATION**  
In case a deviation is identified.
- 3 UVGEL DOT CORRECTION**  
The deviation in dot placement is corrected.

## Thanks to the powerful UVgel 850 printhead technology

UVgel DynamicMotion Control is made possible thanks to our own powerful UVgel 850 printhead technology used in the Colorado XL-series. We only need two printheads, or three when printing UVgel White. This enables us to create a lightweight and agile printhead carriage with ultra-precise positioning of the printheads while printing.

## Flawless results even at high speeds

UVgel DynamicMotion Control uses high-speed, high-resolution machine vision technology that actively tracks any micro movement of the media while the carriage is travelling. It recalibrates the printhead positioning on-the-fly for unmatched precision and alignment of print passes, helping to provide flawless results even at high speeds.

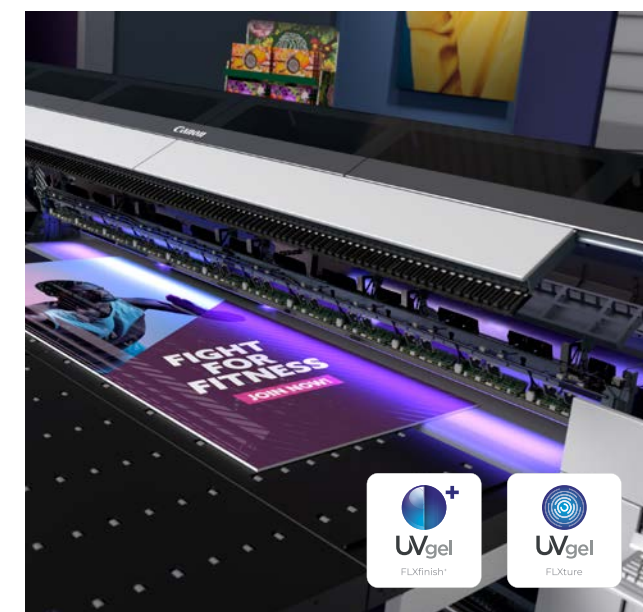
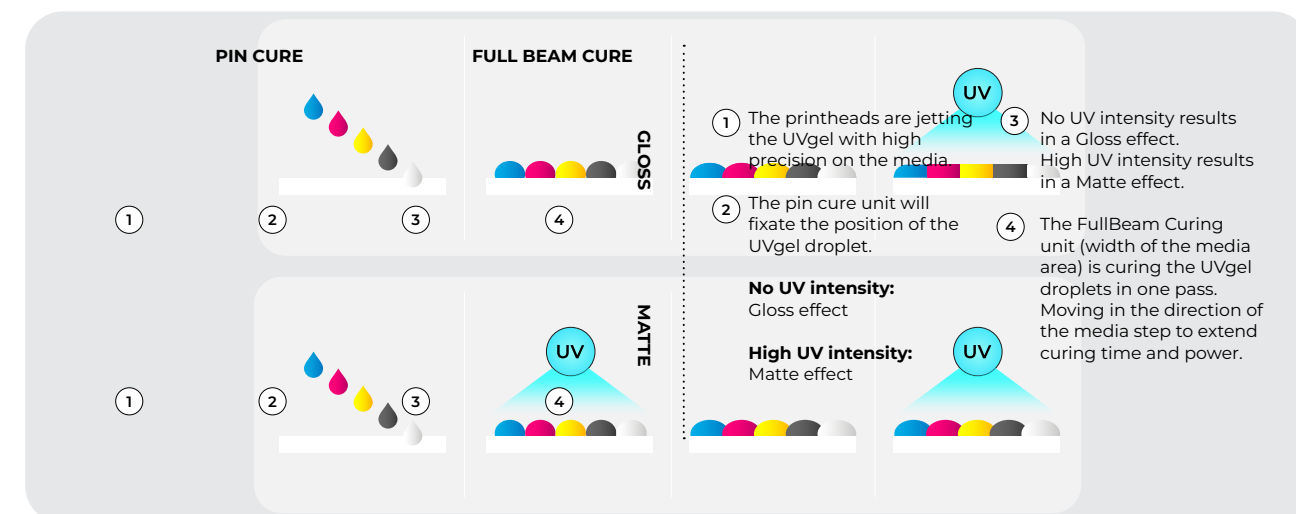
So each drop is placed with high precision right where it should be, despite micro movements of the media underneath. Unlike other systems, to compensate for misalignment, you don't need to add additional printheads to the printhead carriage.



# UVGEL FULLBEAM CURING



We've reimagined gel curing with our innovative UVgel FullBeam Curing technology. It can open up a world of high-end applications with a wider colour gamut and incredible colour results. UVgel FullBeam Curing uses a unique printer-wide LED curing array that, combined with an ingenious mirror system, delivers consistent UV light dosing across the entire print width. It delivers exceptional print uniformity over large surfaces, enabling a wide colour gamut.



## Special UVgel effects

Thanks to UVgel FullBeam Curing and our FLXfinish<sup>+</sup> option, you can combine velvety matte and glossy finishes on a single print.\* All without changing gels or media. Or use the UVgel FLXture technology option to add textures with subtle, tactile surface details. This gives your print a luxurious, intriguing and high-value feel. You can cure up to five high-density layers, all in one pass, over the full width of the media.

## And it's easy

Sound complicated? It's surprisingly simple, thanks to the easy-to-use recipes in our optional PRISMAguide XL software. Simply prepare the job and you're ready to go.



# SMART GUIDED WORKFLOW

With the Colorado XL-series, you'll be empowered with our Smart Guided Workflow technology, with automatic image positioning and easy media loading.



## For reliable rigids

On rigid media, the Smart Guided Workflow applies our Lane Assist feature for the allocation of the image. Jobs in the queue are automatically assigned to the next-in-line standard-sized panel that you place on the belt.

With automatic image allocation, an LED light indicates which lane is operational\*. After inserting the media, the next job in the queue is printed automatically. Our machine vision-guided positioning system identifies the leading edge. This triggers the vacuum system to secure the media firmly on the belt.

## For fast flexibles

For roll feeding, the EdgeForward function lets you start printing right on the front edge of the media. Just place the media and the belt vacuum secures it, printing directly from the edge - designed for minimal media waste for feeding or aligning.

With minimal training, operators can have the ability to produce high-quality applications in no time, even double-sided rigid prints with precise registration.



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