

XL PERFORMANCE



# ALL IN! ONE.

FAST FLEXIBLES. RELIABLE RIGIDS



**Colorado XL-series**

UVgel 3.4m graphics production printer

**Canon**





# COLORADO XL-SERIES

Meet the Colorado XL-series. It's a 3.4m graphics production printer for fast flexibles and reliable rigids. It handles everything from unattended printing of posters, banners and soft signage to high-speed production of displays, packaging, interior décor and more.

The Colorado XL-series is based on our unique UVgel technology, introduced to the market in 2017 with the launch of the 1.6m Colorado roll-to-roll printer. UVgel produces robust, lightfast, scratch-resistant prints with a spectacular colour gamut. Today, thousands of large-format graphics print service providers and print factories around the world benefit from the image quality and creative effects that are only possible by jetting UVgel.

## **The Colorado XL-series: wider<sup>1</sup>, faster<sup>1</sup> and ready for rigids<sup>1</sup>**

The Colorado XL-series brings you all the advantages of UVgel technology, now even wider and faster, with one gel set for both rigid and roll-to-roll printing up to a comfortable 3.4 metres.

## **With the FLXfinish<sup>+</sup> option**

Produce eye-catching applications with the option to print matte, gloss or a combination<sup>2</sup> of both within a single print without the need for varnish.

## **With the UVgel White option**

Effortlessly overcome the common challenges associated with white ink. Print white like any other colour, even for multilayer modes, and use considerably less gel.

## **With the FLXture option**

Add subtle surface detail to your prints to create a luxurious feel.

## **A modular design to choose what you use**

The Colorado XL-series is available in a roll-to-roll, hybrid and dual-roll version with varying media handling options.

## **A future-proof concept**

Choose the configuration that fits your current business needs and upgrade your printer later when your business demands are growing.

## **A design to support your sustainability efforts**

Thanks to UVgel, you can produce with low-temperature curing, low gel consumption, odourless operation and smart automation that promotes first-time-right printing to help minimise waste.

## **A smart investment**

The Colorado XL-series is designed to bring outstanding Total Cost of Ownership and Return on Investment to your large-format graphics business.



<sup>1</sup> Compared to the Colorado M-series  
<sup>2</sup> Available with R1.1

# Colorado XL-series

## Technical specifications

### Metric



XL7 roll-to-roll



XL7 hybrid

Printing		
Printing method	UVgel piezoelectric inkjet	UVgel piezoelectric inkjet
<b>PRINTING MODES: GLOSS</b>	●	●
Gloss Express	211 m²/hour	211 m²/hour
Gloss Speed	141 m²/hour	141 m²/hour
Gloss Production	106 m²/hour	106 m²/hour
Gloss Quality	70 m²/hour	70 m²/hour
Gloss Specialty	53 m²/hour	53 m²/hour
<b>PRINTING MODES: MATTE</b>	○	○
Matte Speed	141 m²/hour	141 m²/hour
Matte Production	106 m²/hour	106 m²/hour
Matte Quality	70 m²/hour	70 m²/hour
Matte Specialty	53 m²/hour	53 m²/hour
Backlit	53 m²/hour	53 m²/hour
Backlit Density	30 m²/hour	30 m²/hour
<b>PRINTING MODES: MIXED MATTE/GLOSS</b>	○	○
FLXfinish <sup>+</sup> Quality <sup>1</sup>	26 m²/hour	26 m²/hour
FLXfinish <sup>+</sup> Specialty <sup>1</sup>	21 m²/hour	21 m²/hour
<b>PRINTING MODES: SPOT WHITE 1 LAYER</b>	○	○
Spot White Speed	141 m²/hour	141 m²/hour
Spot White Production	106 m²/hour	106 m²/hour
Spot White Quality	70 m²/hour	70 m²/hour
Spot White Specialty	53 m²/hour	53 m²/hour
<b>PRINTING MODES: 2 LAYERS</b>	○	○
White Underflood Speed	70 m²/hour	70 m²/hour
White Underflood Production	53 m²/hour	53 m²/hour
White Underflood Quality	35 m²/hour	35 m²/hour
White Underflood Specialty	27 m²/hour	27 m²/hour
White Overflood Speed	70 m²/hour	70 m²/hour
White Overflood Production	53 m²/hour	53 m²/hour
White Overflood Quality	35 m²/hour	35 m²/hour
White Overflood Specialty	27 m²/hour	27 m²/hour
<b>PRINTING MODES: WHITE 3 LAYERS</b>	○	○
White 3 Layers High Quality	23 m²/hour	23 m²/hour
White 3 Layers Specialty	18 m²/hour	18 m²/hour
<b>PRINTING MODES: WHITE 5 LAYERS</b>	○	○
White 5 Layers Quality	14 m²/hour	14 m²/hour
White 5 Layers Specialty	11 m²/hour	11 m²/hour
<b>INK SYSTEM</b>		
UVgel type	UVgel 860	UVgel 860
UVgel colour CMYK	●	●
UVgel White	○	○
<b>UVGEL PACKAGING</b>		
UVgel 860 box 2 litre	●	●
UVgel reservoir per colour	7 litre	7 litre
Refill while printing	●	●
<b>Printhead technology</b>		
UVgel 850 printheads CMYK	2	2
UVgel 850 printheads CMYKW	3	3
Maximum print resolution	1,800 dpi	1,800 dpi
Nozzles per printhead	4,544	4,544
High frequency drop-on-demand piezoelectric printhead	●	●
<b>UVGEL DYNAMIC MOTION CONTROL</b>		
Compensates for media alignment variances	●	●
<b>PAINT</b>		
Piezo Acoustic Integrated Nozzle Technology	●	●
Automatic maintenance	●	●



XL7 roll-to-roll

UV LED



XL7 hybrid

UV LED

## Curing technology

### UVGEL FULLBEAM CURING

Uniform and fast UV LED curing in one go with full width curing technology including a smart mirror system for optimised multilayer curing

### PIN CURING

The system has 2 UV LED pin cure lamps attached to the printhead carriage for velvety matte effect and mixed matte/gloss FLXfinish<sup>®</sup> effect<sup>1</sup>

## Media

### MEDIA TRANSPORT

#### UVGEL TRIDRIVE

UVgel TRIdrive vacuum belt system

#### RIGID TABLES

The optional input and output rigid tables are optimised for ergonomic rigid feeding

Input and output rigid tables, can be extended to the following sizes

#### MEDIA INPUT

Machine vision technology to capture media location and size

### EDGEFORWARD

#### ROLL MEDIA

Maximum roll width

Maximum roll weight

Maximum roll diameter

Double-sided printing

Manual and semi-automatic media loading  
Automatic alignment, automatic take up assistant

Media take-up system

Number of input rolls

Dual Roll<sup>1</sup>, 2 rolls side by side, individually tensioned

Dual Roll<sup>1</sup> maximum width

Dual Roll<sup>1</sup> maximum weight

#### RIGID MEDIA

Minimum media width

Maximum media width

Maximum media weight

Maximum media thickness

Maximum number of lanes

Lane Assist

## Gel technology

### UVGEL TECHNOLOGY

Instant pinning and dotgain control

UVgel 860 suitable for roll-to-roll and rigid applications

### LOW TEMPERATURE CURING

Suitable for thin and heat-sensitive media

Outstanding scratch resistance

Easy lamination, smooth ink film

High precision colour matching and consistency

Odourless and instant dry printout

### FLXFINISH<sup>®</sup>

Choose the right finishing option for your applications: velvety matte, vibrant gloss or both combined<sup>1</sup> in one print

### FLXTURE, AVAILABLE WITH WHITE

Textured printing with layered UVgel ink



## Certifications<sup>7</sup>

<b>MEDIA WARRANTY</b>		
3M MCS warranty	●	●
Avery Dennison ICS Performance Guarantee	●	●
Mactac media warranty	●	●
<b>ENVIRONMENTAL AND SAFE USE</b>		
EN15102, M1, Émissions dans l'air intérieur A+	●	●
Type II ASTM F793	●	●
GreenGuard Gold	●	●
<b>Interface</b>		
Network connection	Ethernet (100/1,000 Mbit/s)	Ethernet (100/1,000 Mbit/s)
<b>Dimensions and weight</b>		
Printer W x D x H	6,090 mm x 1,450 mm x 1,700 mm	6,090 mm x 1,450 mm x 1,700 mm
Minimal operational footprint XL7 W x D	8,100 mm x 5,000 mm	8,100 mm x 7,500 mm
Printer weight (approximately)	2,000 kg	2,000 kg
<b>Working environment</b>		
Temperature	18 -30 °C	18 -30 °C
Humidity	20%-80%	20%-80%
Atmospheric pressure	850-1,050 mbar	850-1,050 mbar
<b>POWER</b>		
Ready	1.6 kW	1.6 kW
Peak	10.8 kW	10.8 kW
Input voltage	3 phase with neutral (Y) or without neutral (Δ): 220/380V	3 phase with neutral (Y) or without neutral (Δ): 220/380V
Frequency	50/60 Hz	50/60 Hz
Source	Printer is declared under Radio Equipment Directive (RED) - 2014/53/EU	Printer is declared under Radio Equipment Directive (RED) - 2014/53/EU
<b>Regulatory certifications<sup>7</sup></b>		
Declaration of conformity	2006/42/EC (Machinery), 2014/30/EU (EMC), 2011/65/EU (RoHS)	2006/42/EC (Machinery), 2014/30/EU (EMC), 2011/65/EU (RoHS)
Safety	Printer is declared under: Machinery Directive (MD) - 2006/42/EC UL775 and CSA 22.2 no 68 Compliant with EN55011 (Class A), FCC Part 15, EN61000-6-2, EN61000-6-4	Printer is declared under: Machinery Directive (MD) - 2006/42/EC UL775 and CSA 22.2 no 68 Compliant with EN55011 (Class A), FCC Part 15, EN61000-6-2, EN61000-6-4
<b>EMC</b>		
Environmental	WEEE, RoHS directive 2011/65/EU, REACH, CE	WEEE, RoHS directive 2011/65/EU, REACH, CE
<b>EMBEDDED SOFTWARE/FIRMWARE</b>		
Colorado XL user interface	●	●
Colorado XL user interface remote	●	●
<b>Software</b>		
<b>PRISMA XL SUITE</b>		
PRISMAguide XL	○	○
PRISMAservice	●	●
Factory supported RIPs	ONYX Graphics, Caldera <sup>1</sup>	ONYX Graphics, Caldera <sup>1</sup>
Supported RIPs <sup>6</sup>	PrintFactory, SAI, Fiery, ColorGATE, ErgoSoft, Shiraz, AGFA Asanti	PrintFactory, SAI, Fiery, ColorGATE, ErgoSoft, Shiraz, AGFA Asanti
API	Colorado XL-series API for third party vendors	Colorado XL-series API for third party vendors
<b>Warranty &amp; Service</b>		
<b>MANUFACTURER'S WARRANTY</b>		
Printer: 2 years	●	●
UVgel 850 printhead: 2 years or 50,000 sqm whichever comes first <sup>4</sup>	●	●
<b>SERVICE PROGRAMME</b>		
proCARE* (3, 4 or 5 years) <sup>5</sup>	○	○

<sup>1</sup> Available from R1.1

<sup>2</sup> In case media edge guards are used, the print margin is 10 mm

<sup>3</sup> Please be aware that there might be regional distinctions in

Warranty programmes, Terms and Conditions applicable

<sup>4</sup> Repair or replacement of an item does not extend the warranty period of the item repaired or replaced

<sup>5</sup> proCARE\* including printheads

<sup>6</sup> Depending on third party support

<sup>7</sup> In process of certification

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