

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: wider¹, faster¹ and ready for rigids¹

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⁺ option

Produce eye-catching applications with the option to print matte, gloss or a combination² 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.



¹ Compared to the Colorado M-series
² 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
PRINTING MODES: GLOSS	●	●
Gloss Express	211 m ² /hour	211 m ² /hour
Gloss Speed	141 m ² /hour	141 m ² /hour
Gloss Production	106 m ² /hour	106 m ² /hour
Gloss Quality	70 m ² /hour	70 m ² /hour
Gloss Specialty	53 m ² /hour	53 m ² /hour
PRINTING MODES: MATTE	○	○
Matte Speed	141 m ² /hour	141 m ² /hour
Matte Production	106 m ² /hour	106 m ² /hour
Matte Quality	70 m ² /hour	70 m ² /hour
Matte Specialty	53 m ² /hour	53 m ² /hour
Backlit	53 m ² /hour	53 m ² /hour
Backlit Density	30 m ² /hour	30 m ² /hour
PRINTING MODES: MIXED MATTE/GLOSS	○	○
FLXfinish ¹ Quality ¹	26 m ² /hour	26 m ² /hour
FLXfinish ¹ Specialty ¹	21 m ² /hour	21 m ² /hour
PRINTING MODES: SPOT WHITE 1 LAYER	○	○
Spot White Speed	141 m ² /hour	141 m ² /hour
Spot White Production	106 m ² /hour	106 m ² /hour
Spot White Quality	70 m ² /hour	70 m ² /hour
Spot White Specialty	53 m ² /hour	53 m ² /hour
PRINTING MODES: 2 LAYERS	○	○
White Underflood Speed	70 m ² /hour	70 m ² /hour
White Underflood Production	53 m ² /hour	53 m ² /hour
White Underflood Quality	35 m ² /hour	35 m ² /hour
White Underflood Specialty	27 m ² /hour	27 m ² /hour
White Overflood Speed	70 m ² /hour	70 m ² /hour
White Overflood Production	53 m ² /hour	53 m ² /hour
White Overflood Quality	35 m ² /hour	35 m ² /hour
White Overflood Specialty	27 m ² /hour	27 m ² /hour
PRINTING MODES: WHITE 3 LAYERS	○	○
White 3 Layers High Quality	23 m ² /hour	23 m ² /hour
White 3 Layers Specialty	18 m ² /hour	18 m ² /hour
PRINTING MODES: WHITE 5 LAYERS	○	○
White 5 Layers Quality	14 m ² /hour	14 m ² /hour
White 5 Layers Specialty	11 m ² /hour	11 m ² /hour
INK SYSTEM		
UVgel type	UVgel 860	UVgel 860
UVgel colour CMYK	●	●
UVgel White	○	○
UVGEL PACKAGING		
UVgel 860 box 2 litre	●	●
UVgel reservoir per colour	7 litre	7 litre
Refill while printing	●	●
Printhead technology		
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	●	●
UVGEL DYNAMIC MOTION CONTROL		
Compensates for media alignment variances	●	●
PAINT		
Piezo Acoustic Integrated Nozzle Technology	●	●
Automatic maintenance	●	●



XL7 roll-to-roll



XL7 hybrid

Curing technology

	UV LED	UV LED
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 [®] effect ¹	●	●
Media		
MEDIA TRANSPORT		
UVGEL TRIDRIVE UVgel TRIdrive vacuum belt system	Unattended roll-to-roll operation	Controlled rigid transport and unattended roll-to-roll operation
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	-	750 mm and 1,500 mm
MEDIA INPUT Machine vision technology to capture media location and size	●	●
EDGEFORWARD	Easy media roll loading, starts the job directly from the media's edge, without the need to attach the roll to the take-up roller first	Easy roll and rigid media loading, starts the job directly from the roll or rigid media's edge, without the need to attach the roll to the take-up roller first
ROLL MEDIA	●	●
Maximum roll width	3,400 mm	3,400 mm
Maximum roll weight	180 kg	180 kg
Maximum roll diameter	300 mm	300 mm
Double-sided printing	●	●
Manual and semi-automatic media loading Automatic alignment, automatic take up assistant	●	●
Media take-up system	●	●
Number of input rolls	1	1
Dual Roll ¹ , 2 rolls side by side, individually tensioned	○	○
Dual Roll ¹ maximum width	2 x 1,625 mm	2 x 1,625 mm
Dual Roll ¹ maximum weight	2 x 90 kg	2 x 90 kg
RIGID MEDIA	-	●
Minimum media width	-	297 mm
Maximum media width	-	3,350 mm
Maximum media weight	-	90 kg
Maximum media thickness	-	52 mm
Maximum number of lanes	-	2 lanes ¹
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[®] Choose the right finishing option for your applications: velvety matte, vibrant gloss or both combined ¹ in one print	○	○
FLXTURE, AVAILABLE WITH WHITE Textured printing with layered UVgel ink	○	○



XL7 roll-to-roll



XL7 hybrid

Certifications⁸

	XL7 roll-to-roll	XL7 hybrid
MEDIA WARRANTY		
3M MCS warranty	●	●
Avery Dennison ICS Performance Guarantee	●	●
Mactac media warranty	●	●
ENVIRONMENTAL AND SAFE USE		
EN15102, M1, Émissions dans l'air intérieur A+	●	●
Type II ASTM F793	●	●
GreenGuard Gold	●	●
Interface		
Network connection	Ethernet (100/1,000 Mbit/s)	Ethernet (100/1,000 Mbit/s)
Dimensions and weight		
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
Working environment		
Temperature	18 -30 °C	18 -30 °C
Humidity	20%-80%	20%-80%
Atmospheric pressure	850-1,050 mbar	850-1,050 mbar
POWER		
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
Regulatory certifications⁸		
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
EMC		
Environmental	WEEE, RoHS directive 2011/65/EU, REACH, CE	WEEE, RoHS directive 2011/65/EU, REACH, CE
EMBEDDED SOFTWARE/FIRMWARE		
Colorado XL user interface	●	●
Colorado XL user interface remote	●	●
Software		
PRISMA XL SUITE		
PRISMAguide XL	○	○
PRISMAservice	●	●
Factory supported RIPs	ONYX Graphics, Caldera ¹	ONYX Graphics, Caldera ¹
Supported RIPs ⁷	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
Warranty & Service		
MANUFACTURER'S WARRANTY		
Printer: 2 years	●	●
UVgel 850 printhead: 2 years or 50,000 sqm whichever comes first ⁴	●	●
EXTENDED WARRANTY⁵		
Parts coverage (3, 4 or 5 years)	○	○
Parts and printhead coverage ⁶ (3, 4 or 5 years)	○	○
SERVICE PROGRAMME⁵		
proCARE (3, 4 or 5 years)	○	○
proCARE* (3, 4 or 5 years) ⁶	○	○

1 Available from R1.1

2 In case media edge guards are used, the print margin is 10 mm

3 Please be aware that there might be regional distinctions in Warranty programmes, Terms and Conditions applicable

4 Repair or replacement of an item does not extend the warranty period of the item repaired or replaced

5 Please be aware that there might be regional distinctions in the Service programmes

6 proCARE* including printheads

7 Depending on third party support

8 In process of certification

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