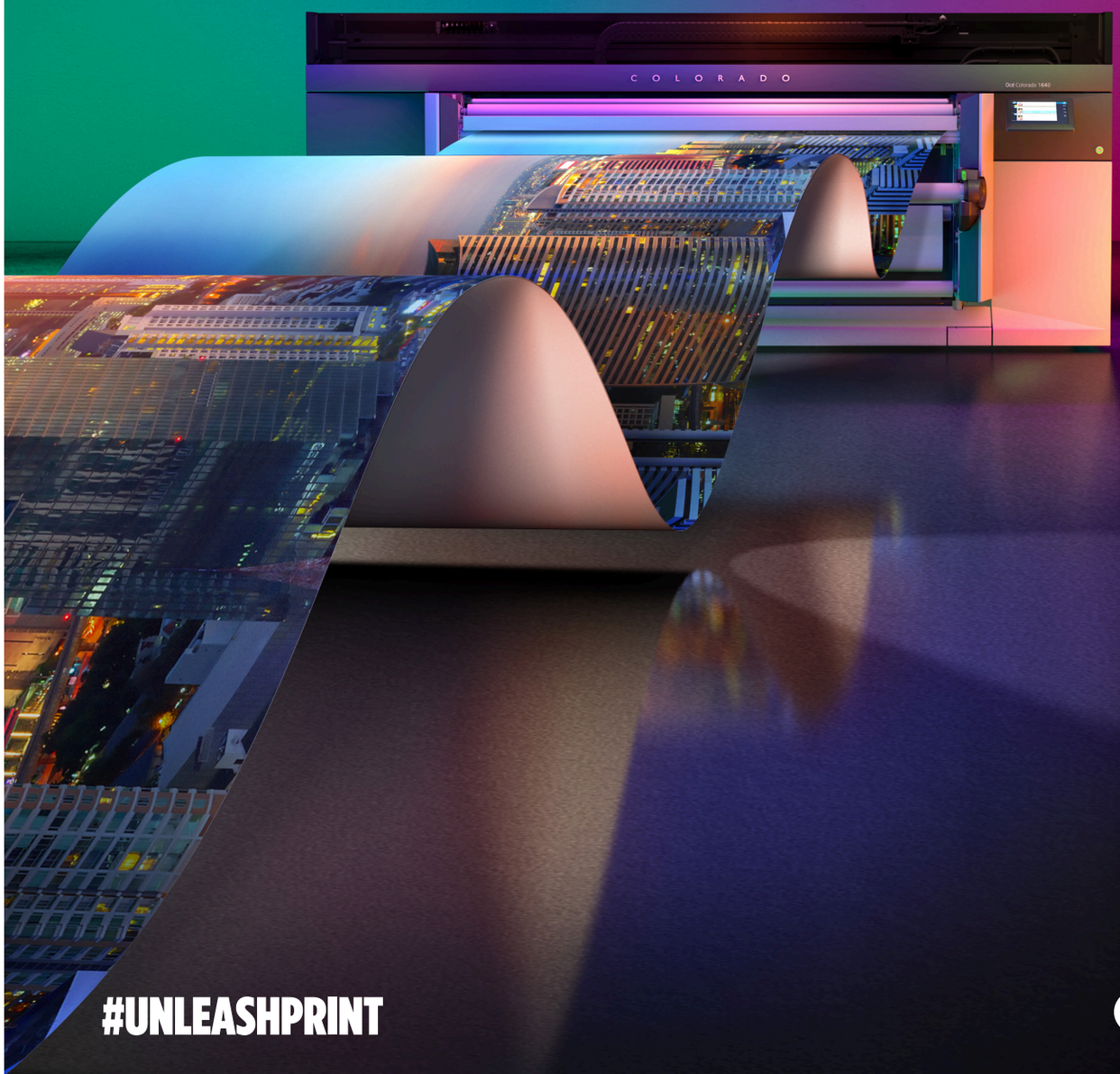
SET PRINT FREE

Océ Colorado 1640

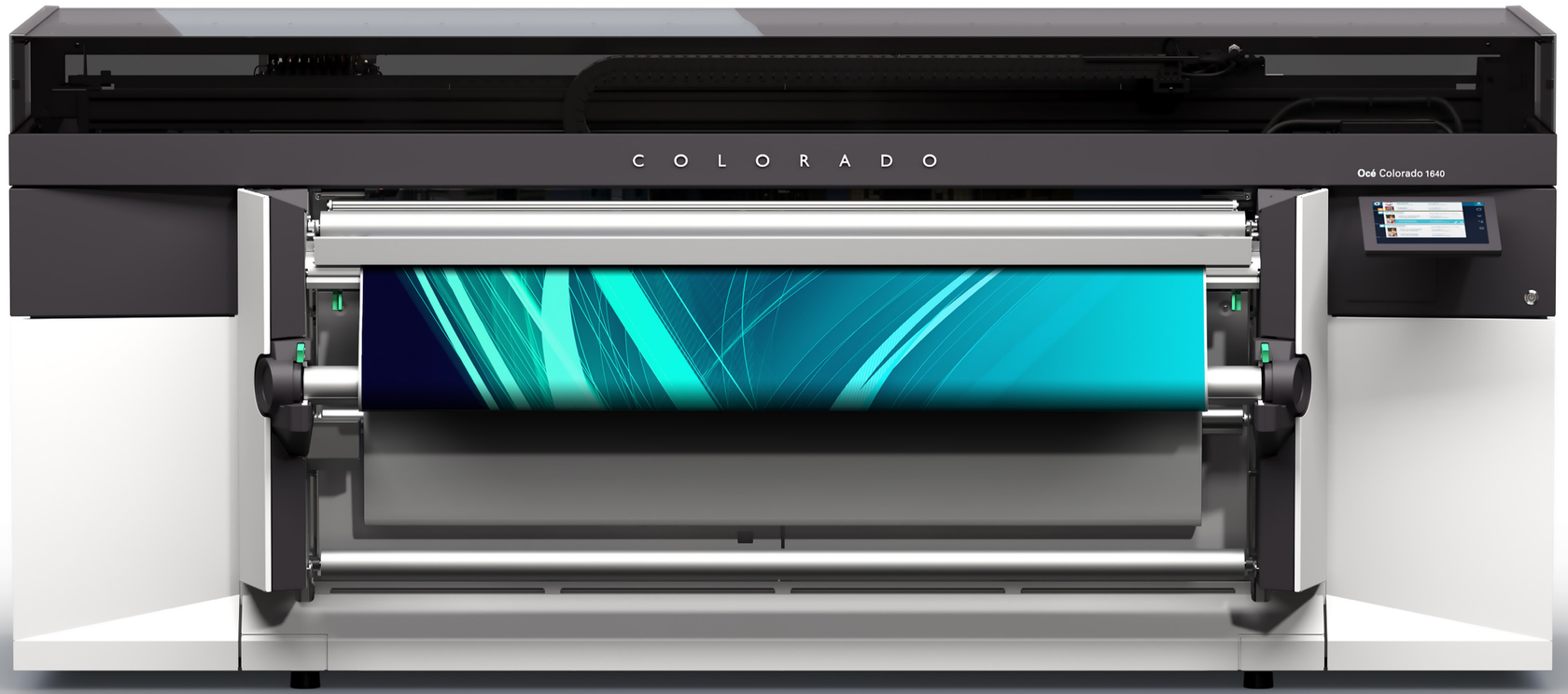


#UNLEASHPRINT

Canon

DISCOVER A NEW WORLD

The first ever large format printer to feature Canon's revolutionary UVgel technology, the Océ Colorado 1640 delivers unprecedented roll-to-roll productivity, with minimal maintenance and exceptional output quality on a wide range of media.



Graphic arts: a changing landscape

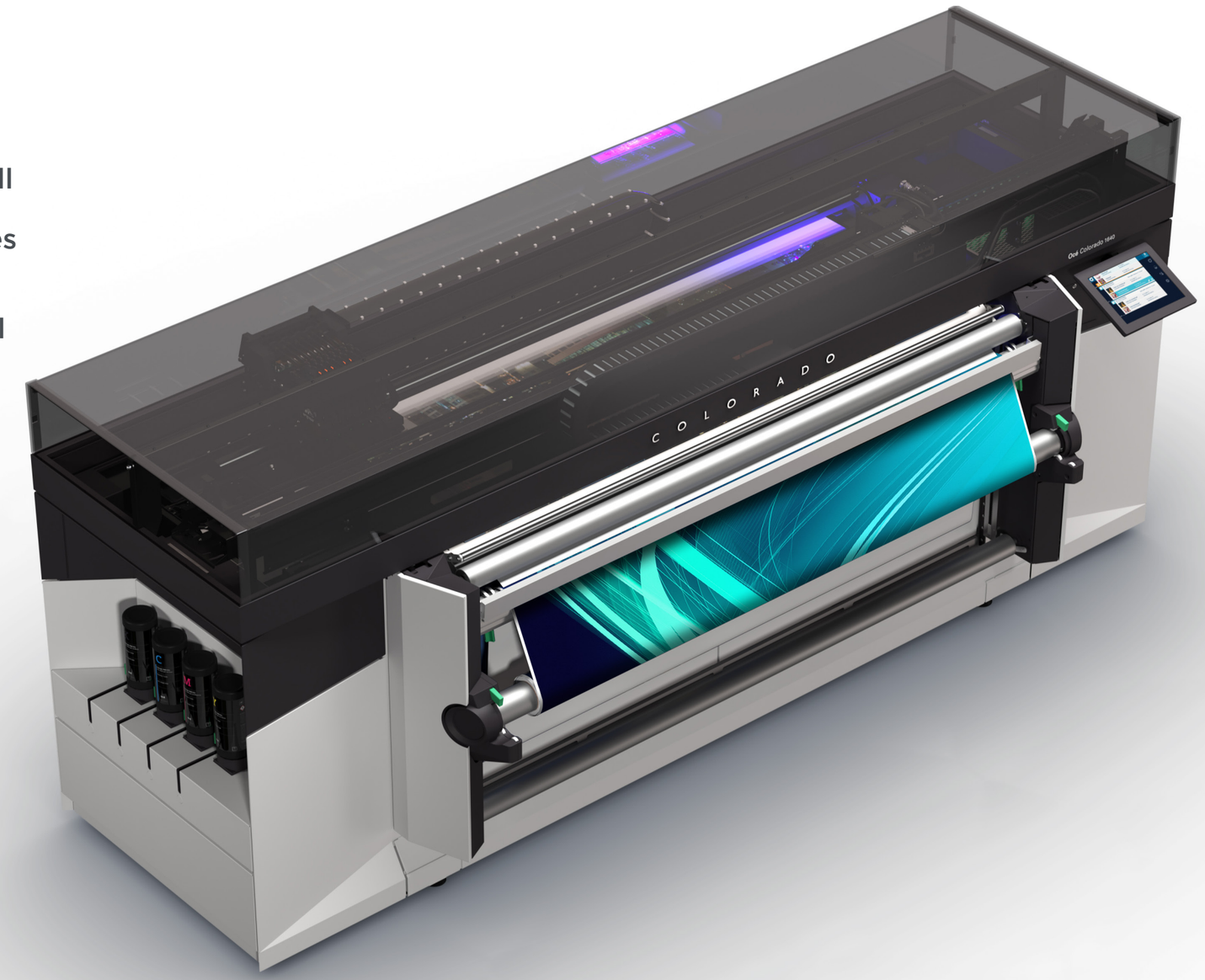
Large format graphic arts are one of the most exciting areas in today's printing landscape, offering the widest scope for the biggest and boldest ideas.

But this rapidly changing market also presents new challenges. With more and more being printed, and new applications constantly being developed, print volumes are rapidly growing. Meanwhile, print service providers are under increasing pressure to meet ever shorter turnaround times.

To stay ahead of the curve – and the competition – discover the Océ Colorado 1640, the first 64″ production printer.

ONE TECHNOLOGY, NO COMPROMISE

In the past, whichever roll-to-roll production process you chose came with limitations – obstacles around productivity, quality, versatility or operating cost. That's why we decided to use all our experience and expertise to find a way to help you break through these barriers.



UVgel

How it works: making the impossible possible

In Canon's unique UVgel printing process, liquid ink turns into gel droplets the moment it lands on the media. This prevents the ink dots from merging, so the printer can deposit more ink in fewer passes. This means faster production.

The innovative process of separating the laying and the curing of the ink, delivers images with a smooth, uniform surface that are easier to laminate.

The UV LED cured prints are instantly dry and odourless, ready for immediate finishing and installation.

Less ink deposited at each pass to avoid ink coalescence.

Gel prevents ink coalescence and allows more ink to be deposited at each pass for faster output.

As well as taking full advantage of the benefits of Canon UVgel technology, the Océ Colorado 1640 is equipped with automation features that make it over twice as fast as any printer in its class, with a top speed of 159 m²/hr.

The only printer in its class with two media rolls online; automated switch and feeding of media

Dual-roll configuration

The Océ Colorado 1640 is the only printer in its class to offer two media rolls online. They can be the same or two different media types and switching from one roll to the other can be done automatically. In combination with the embarked industrial-grade knife, cutting through thicker media, printing different applications has never been so easy and productive.

Beat any deadline

Engineered to the highest possible standards, with class-leading robustness, the Océ Colorado 1640 can handle the peak production needs of businesses of any size, producing high volumes of wide-format graphics within the tight turnaround times that today's customers demand.

SPEED	m²/hr
SPECIALTIES	20 m²/hr
BACKLITS	20 m²/hr
HIGH QUALITY	40 m²/hr
PRODUCTION	57 m²/hr
HIGH SPEED	114 m²/hr
MAX SPEED	159 m²/hr

Durable and colourfast, the technologically advanced Canon UVgel ink delivers instantly dry prints with excellent aesthetics, a wider colour gamut and precise sharp dots.

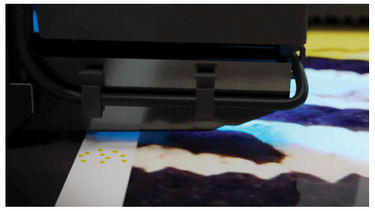
Automated maintenance

Daily maintenance routines are handled automatically by the printer itself*. This is to ensure an optimum print quality without manual intervention.

*Manual maintenance is recommended once a month. Full procedure takes less than 10 min.

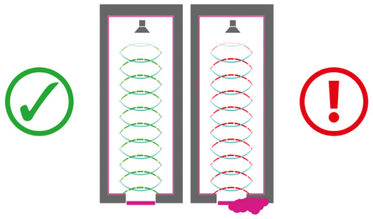
Media Step Control

The Media Step system uses an optical feedback loop to continuously monitor media advance, so that step size is automatically adjusted to prevent banding.



Continuous nozzle monitoring

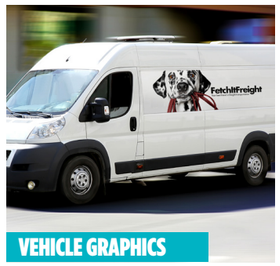
At the end of every pass, a small acoustic pulse is sent to every nozzle in the print head. When the echo that comes back is not in the proper bandwidth corrective actions are automatically performed before errors appear on the prints. This means minimum waste and maximum confidence for unattended printing.



The Océ Colorado 1640 gives you the freedom to explore a wide choice of media and applications. As well as delivering the precision and quality needed for indoor graphics, and the durability for outdoor use, the versatility of Canon UVgel technology enables you to print on thin and heat-sensitive substrates.

OUTDOOR DISPLAY PRINTING

OUTDOOR BANNERS



VEHICLE GRAPHICS

INDOOR DISPLAY PRINTING

POP-UP BANNER


BACKLIT ADVERTISING

INTERIOR DÉCOR PRINTING

WALL COVERING

POS & POSTER PRINTING

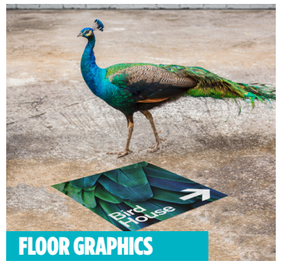
POS POSTERS

PHOTO & FINE ART PRINTING

WINDOW GRAPHICS


CANVAS PRINTS

SOFT SIGNAGE



FLOOR GRAPHICS

LONG-TERM AD SPACE

Low heat

Canon UVgel technology is a non-evaporative, low-heat process that causes virtually no distortion, even when printing on highly heat-sensitive media. This makes the Océ Colorado 1640 ideal for applications that require high geometric accuracy, like wallcoverings, as well as lower cost applications using thin, inexpensive media.

No water content

Canon UVgel ink doesn't contain water. This ensures improved dimensional consistency, by eliminating the problems associated with the swelling of certain types of media.

Durability

The durability of Canon UVgel technology's LED-cured image makes it ideal for outdoor applications. The finished prints offer high levels of outdoor UV light fastness, abrasion resistance, wash-ability and scrubbability.

Odourless prints

Canon UVgel ink is odourless when cured, so it can be used for indoor applications, including in health-sensitive environments.


PERFECTION IN MOTION
PERFECTION IN MOTION

The Océ Colorado 1640 has a low operating cost, with up to 40%* less ink usage and up to a third less labour costs – meaning a faster return on your investment.

Improved productivity

The Océ Colorado 1640's market-leading print speed allows you to deliver more finished jobs from a single printer without increasing staffing costs.

Reduced ink consumption and wastage

Canon UVgel technology reduces ink consumption by up to 40%. Its acoustic nozzle monitoring technology also reduces ink waste by removing the need to test nozzles by firing ink.

Reduced routine maintenance

Automated maintenance and nozzle compensation on the fly reduces the need for routine operator printhead maintenance, freeing up operator time for other tasks.

Option to use less expensive media

The non-evaporative and low-heat Canon UVgel technology allows you to work with thin and heat-sensitive media, so you can use less expensive substrates – cutting the cost of consumables.

Evaporative process requires heat resistant media.

Non-evaporative and low heat process can handle less expensive media .

*Lab measurement based on 3 different media: polymetic vinyl, scrim banner and polypropylene film

HIGHLIGHTS OF THE

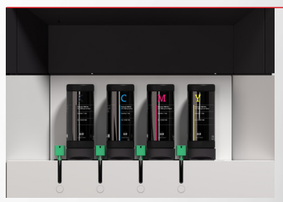
1. **Very high standards for scratch and UV resistance. Limits the need for lamination**
2. **Smooth and uniform surface. Allows wide variety of lamination modes**
3. **Very low VOCs. Allows immediate installations in health sensitive environments**
4. **Non-evaporative technology with low heat curing. Limits the risk of deformation, even on thin and heat sensitive media. Ideal for tiled prints.**

Low heat LED UV curing process, prevents media distortion.

Print-then-cure process for smooth printed surface easy to laminate.

Unprecedented automation of media handling with dual-roll media feeding feature and industrial-grade integrated cutter.

Intuitive touch screen interface gives operator immediate feedback about printer and job status.



Refill while printing ink system for uninterrupted production.

Auto-adjustment of media step to prevent banding.

Controlled winding-in or out system for neat print output delivery.

Technical specifications
Océ Colorado 1640

PRINTING

Printing method	Canon UVgel piezoelectric inkjet
Printing modes	159 m²/hr Max speed 114 m²/hr High speed 57 m²/hr Production 40 m²/hr High quality 20 m²/hr Specialty 20 m²/hr Backlits
Print resolution	Up to 1800dpi
Ink types	Canon UVgel 355 ink
Ink colour	CMYK
Ink packaging	2 x 1 litre ink bottle Ink reservoir can accommodate up to 2,5 ltr per ink colour Refill while printing
Printheads	Canon UVgel 415 Printhead High frequency drop-on-demand piezoelectric printhead (2/colour) Océ PAINT (Piezo Acoustic Integrated Nozzle Technology) constantly monitors and compensates for nozzle failures that can occur during printing
Automatic maintenance	Eliminate daily manual maintenance tasks to save operator time

MEDIA

Roll width	Up to 1625 mm
Print margin	5,3 mm*
Roll weight	Up to 50 kg
Roll diameter	Up to 220 mm
Media thickness	Up to 0,8 mm
Number of input rolls	2 (automatic roll-feeding and -switching depending on media used)
Media take-up system	Wound-in or out, loosely or tightly**

Canon UVgel TECHNOLOGY

Instant pinning and dot gain control
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

ENVIRONMENTAL AND SAFE USE CERTIFICATIONS

Indoor AgBB (general)
GREENGUARD GOLD (wall paper general)
EN15102 (decorative wall coverings)

INTERFACE

Ethernet (100/1000 Mbit/s)

DIMENSIONS

Printer W X D X H	3022 x 1093 x 1310 mm

WEIGHT

Printer	740 kg

WORKING ENVIRONMENT

Operation printer	18 – 30°C (recommended 20 – 27°C) 20–80% RH (no condensation) (recommended 30-60%)

POWER

Consumption	Up to 4 kW printing
Source	2 inputs, each 200-240V +/- 10%, 50/60 Hz, 16/6 A.

REGULATORY CERTIFICATIONS

Safety	LVD and IEC 62368-1 compliant; CE, TUV-GS, C-UL-US, RCM, CB
Electromagnetic	EMC class A compliant (CISPR 32 and FCC part 15) incl. FCC, RCM, ICES – Cetecom
Environmental	WEEE, RoHS, REACH, CE

SOFTWARE

Supported RIPs	ONYX® Graphics, Caldera

* margin 11,0 mm when Media Step Control is enabled (recommended for print modes up to 40 m²/hr for optimised output quality)
** except when the 2nd media requires tight winding, than operator interaction is required.

Specifications subject to change without notice

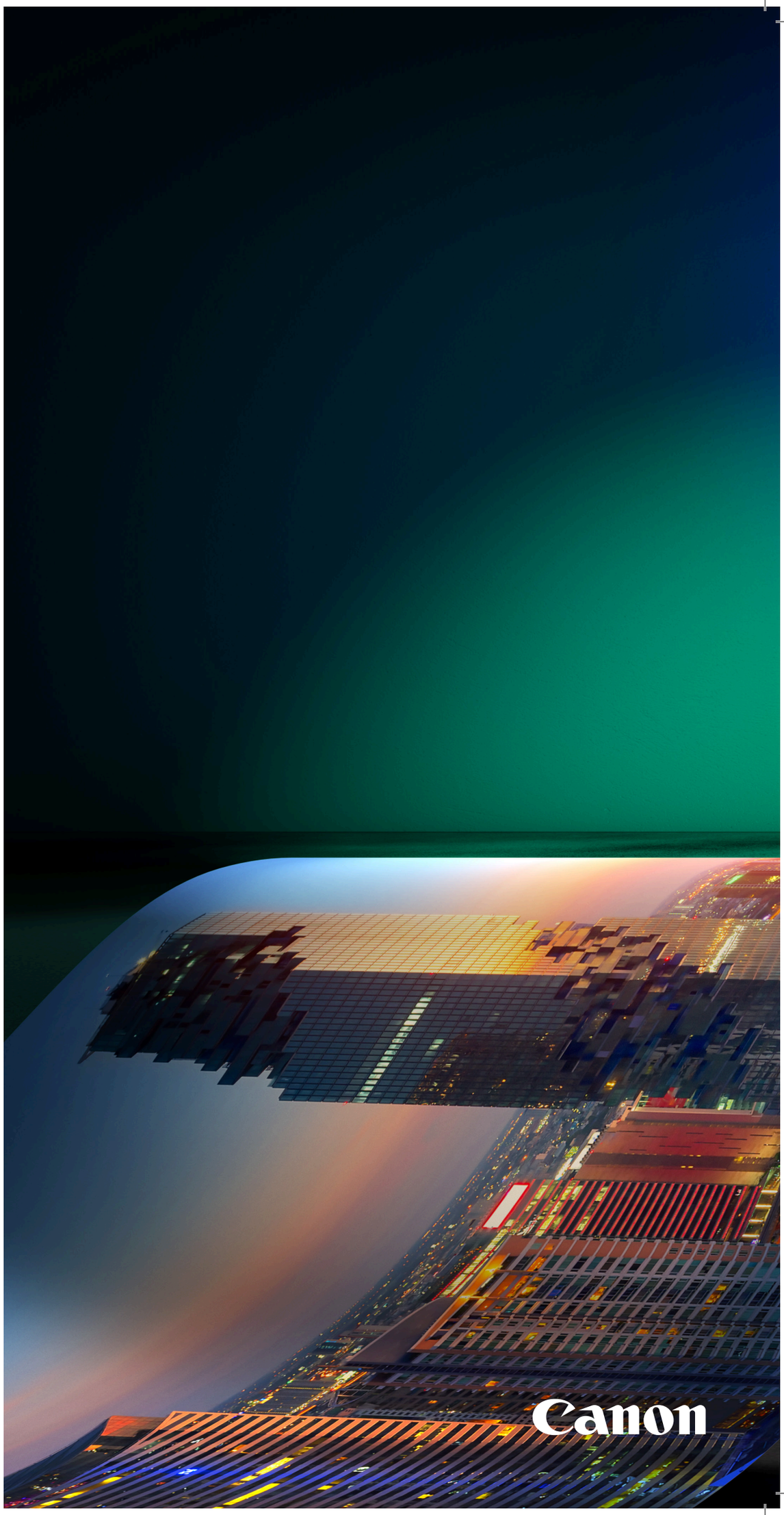
meets AgBB criteria

GREENGUARD GOLD

DESIGN AWARD 2017

reddot design award winner 2017

#UNLEASHPRINT



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