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VISION CANON INC.

Canon addresses sustainability across the entire product lifecycle – produce – use – recycle and at our operational sites.

Key areas of focus include:

- Reducing CO₂ emissions from products and operations
- Supporting a circular economy
- Managing chemical substances in products
- Supporting customers in achieving sustainability targets through energy efficient products
- Ensuring safe working conditions for our employees
- Compliance with legal requirements











KYOSEI

The basis of our actions and behaviour is Canon's corporate philosophy "Kyosei". It places sustainable thinking and acting as a company and social actor at the center of our values.

The Common Good is further defined by the United Nations Sustainable Development Goals (SDGs), which serve as a framework to manage environmental and social impact.

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.



"Living and working together for the Common Good."



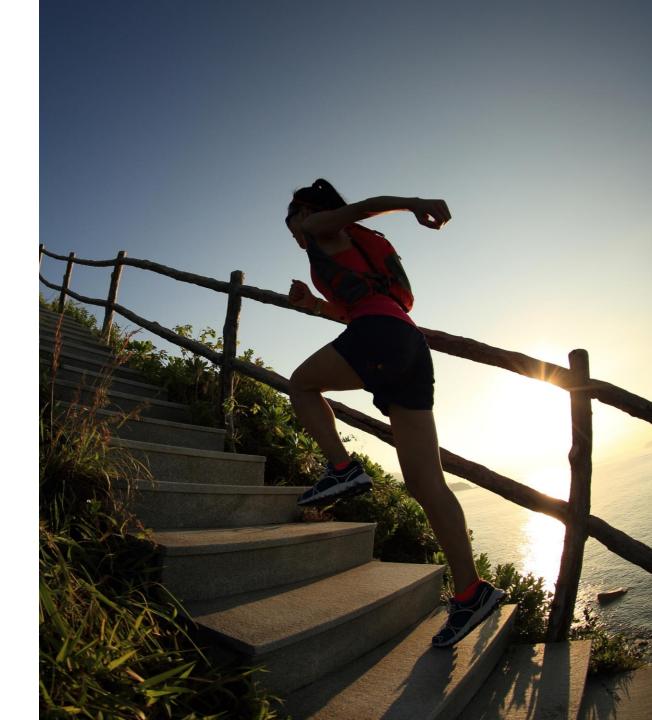


ENVIRONMENTAL TARGETS

Canon Inc. has defined global environmental targets:

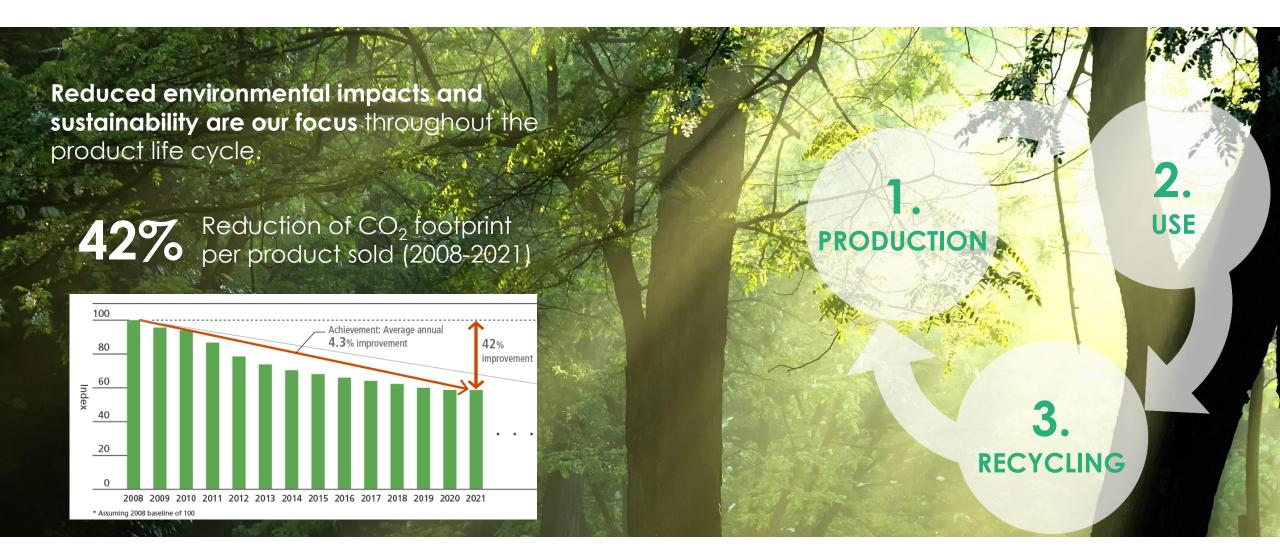
- **2023-2030:** 3% reduction of life-cycle CO_2 emissions annually
- **2030:** 50% reduction of life-cycle CO_2 emissions (Base 2008)
- **2050**: "Net zero" CO₂ emissions

Additional detailed targets have been defined for all Canon sites and Canon products (CO_2 emissions, resource use, water use, waste and biodiversity).





REDUCING ENVIRONMENTAL IMPACTS





ENVIRONMENTAL MANAGEMENT SYSTEM

A central pillar of Canon's approach to reducing environmental and social impacts of our operations is the global ISO 14001 certified Environmental Management System.

It is implemented at almost 600 Canon sites in 40 countries and ensures a systematic approach to continually improve environmental and social performance.

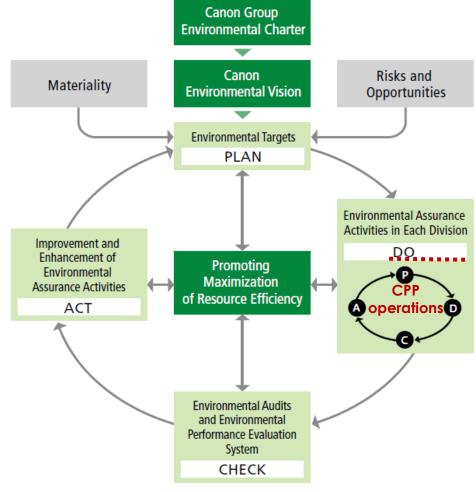
PDCA cycle underlying ISO 14001:

- Plan Setting targets
- Do Acting based on policies & rules
- Check Internal & external audits
- Act Refine and improve activities and targets

Canon

Canon Group Environmental Management System

Canon Group





COLORADO – PRODUCT LIFE CYCLE

Design

We focus on reducing lifecycle CO₂ emissions of Canon products at every stage, starting with R&D and design.

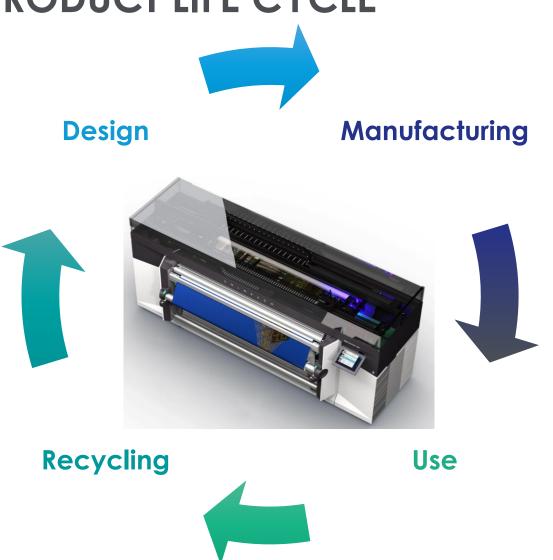
Target: 3% lifecycle CO₂ emissions reduction year-on-year

Recycling

Our Circular Economy Manufacturing facilities remanufacture end-oflife printers

- Any CPP product can be remanufactured
- Same technical quality standards as for Newly Built applies





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Manufacturing

We evaluate our manufacturing sites on these criteria:

- Reducing energy consumption by 1.2% per year
- · Reducing waste discharge, water consumption and chemical substance emissions by 1% per year.

Use

Our sustainable design of the Colorado results in:

- >50% less energy use while printing
- Up to 40% less ink vs other ink technologies (BLI verified)
- More ecological and even uncoated media
- No VOC's
- No Hazardous Air Pollutants (HAP's)
- Safe production environment



PRODUCT DESIGN

Product design is crucial in order to reduce environmental impacts across the product life cycle.

Canon has been focussing on sustainable design choices for many years. As a result, we have achieved a cumulative improvement of 42% in the life-cycle carbon footprint of products (2008 vs. 2021).

Every Colorado printer is of industrial built and performance:

- **Steel chassis** (+700Kg), no disposable plastic parts
- Piezo Electric Printheads (no consumable)
- Long lifetime/ high reliability design (+100K m2 / year)

Highly automated maintenance and quality control:

- No unnecessary waste ink and disposables
- Minimal room for error and need for re-runs
- Printing from the first cm (minimal media waste)



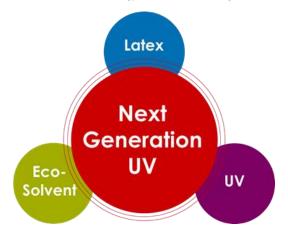


UVGEL TECHNOLOGY



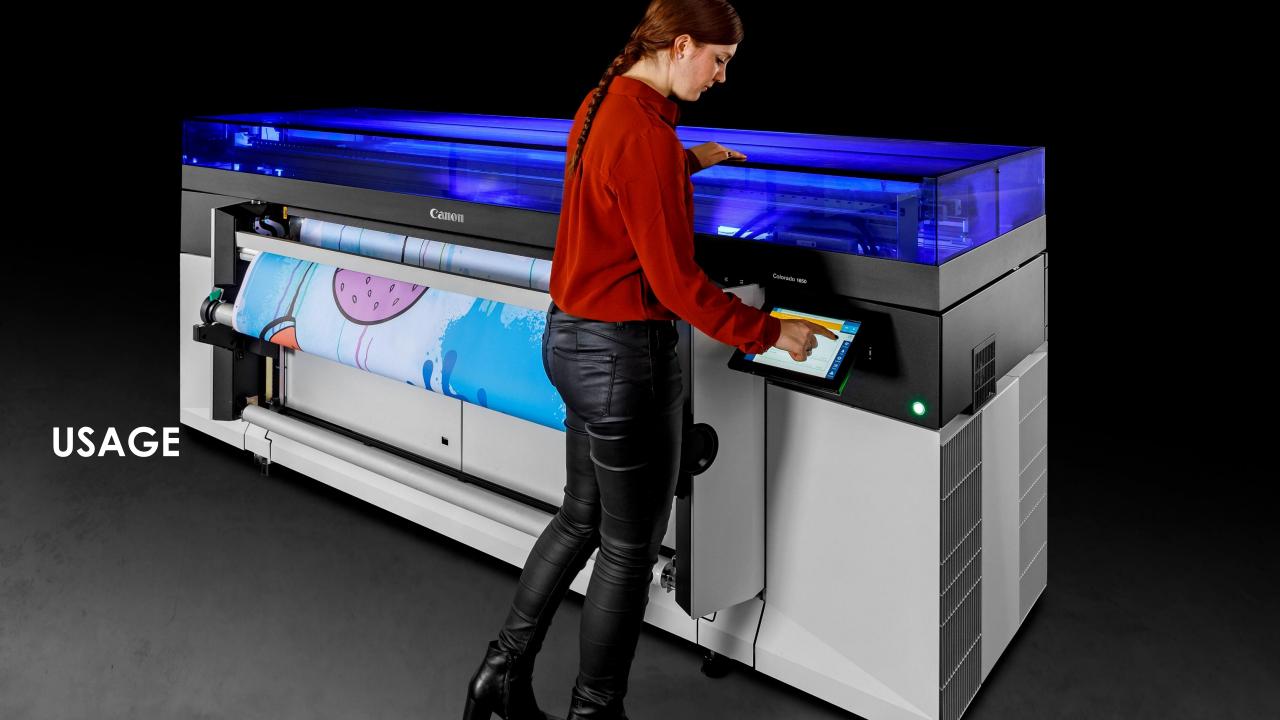
Our in house developed and produced UVgel technology is at the center of our Colorado series of printers.

- UVgel is the next generation, future proof ink technology: Engineered to be compliant to all current and future regulations and restrictions.
- UVgel is VCL free (vinylcaprolactam)
- UVgel emits virtually no VOC's and the ink technology does not require special maintenance fluids or solvents
- UVgel is an ultra robust ink technology often eliminating the need for an extra layer of lamination (plastic foil)









USAGE



Energy Consumption

 UV curing The Colorado UVgel printers use more than 50% less energy compared to other ink technologies

Inks

- Up to 40% less ink vs other ink technologies (BLI verified)
- All our Colorado inks are safe for use in public environments even such as hospitals, schools and other public places.
- All Colorado inks are GREENGUARD Gold certified
- No need for lamination
- Free of Hazardous Air Pollutants (HAPs) and Volatile Organic Components (VOCs)

















USAGE

Health and Safety

- No external filtration required because of internal filters
- Radiation emitted while Colorado printers are in operation is below the Threshold Limit Values for UV, and Visible radiation according to ACGIH institute standards
- Acoustic emission: No noise protection is required. Tested according to ISO7779/EN27779

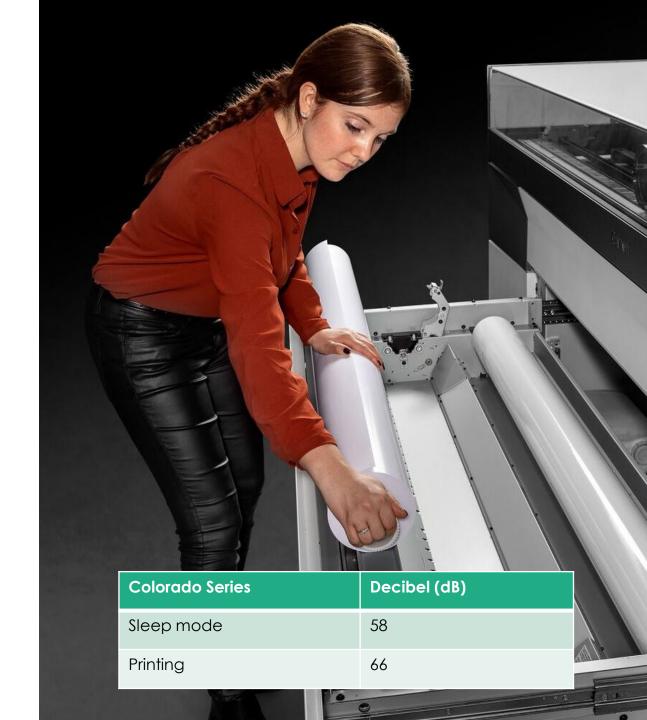
First-time right printing leads to less waste

- Printing from the first cm (minimal media waste)
- Automatic maintenance and nozzle compensation improves first-time right prints

Environmental certifications

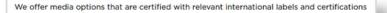
Output printed with UVgel technology and Colorado printers live up to the world stringent standards, making them perfectly safe to use in sensitive environments such as hospitals, children's schools and public spaces.





SUSTAINABLE APPLICATIONS WITH UVGEL

Output printed with UVgel technology and Colorado is much more media independent then other technologies, enabling a wide diversity of ecological alternative medias, such as then media, paper based or even uncoated varieties.

































Canon