



**SUSTAINABILITY IN
PRODUCTION PRINT
WITH CANON**

Canon

SUPPORTING YOUR SUSTAINABILITY GOALS

At Canon, we're on a journey to make our entire business more sustainable. By improving efficiency, using resources responsibly, and minimising waste, we're reducing our environmental impact.

Our three sustainability pillars – carbon reduction, resources efficiency, and responsible business – guide all our work. And underpinning that is our Kyosei philosophy, of living and working together for the common good'.

We're always progressing. Always striving to help our customers be at their best. With our imaging technology, from hardware to solutions, we support our customers to reduce their environmental impact and take control of their operations.



COMMERCIAL PRINTING

Commercial printing operations are often high volume and traditionally take place at scale, so reducing carbon emissions, using resources smartly and creating more responsible supply chains in this segment has a significant impact. But no matter the print volume involved, we constantly innovate to help our customers achieve their sustainability goals.



Carbon Reduction

Inkjet presses such as the varioPRINT iX, ColorStream and ProStream are designed for heavy-duty operations around the clock. That's why a low energy consumption per printed page is crucial.

Our facilities in Germany and the Netherlands, powered by 100% renewable electricity, are where the ColorStream, ProStream and varioPRINT iX3200 devices are made.



Resources Efficiency

Canon inkjet presses are manufactured using long-life components, making them durable and long-lasting. All inkjet presses qualify for refurbishment which is carried out locally to save on transport related carbon emission. At least 80% of the parts in the presses can be recycled through industry standard recycling processes.

With digital printing, our customers can take advantage of print on demand, distribute and print and programmatic print business models. These help reduce energy consumption, transportation and waste by printing only what's needed, exactly when and where needed.



Responsible Business

We believe in the future of our industry. Through initiatives like the Creative Futures programme and the Future Book Forum, we are leading the industry to collaborate on sustainability and invest in the next generation.

LARGE FORMAT PRINTING

Whether you're creating eye-catching posters or professional CAD drawings, large format printers such as the imagePROGRAF range can support you to reduce carbon emissions, improve resources efficiency and improve your business models.



Carbon Reduction

The imagePROGRAF TC, TM¹, PRO² and GP (7-colour) series secured an EPEAT (Electronic Product Environmental Assessment Tool) Gold³ rating for their relatively lower energy consumption and more sustainable packaging such as pulp mould rather than polystyrene packaging and consumables, meeting stringent criteria set by the Green Electronics Council.

All other imagePROGRAF devices are rated EPEAT Silver³, with large drops in energy use versus the older models.



Resources Efficiency

When you pay for ink, you own every drop. imagePROGRAF printers run their ink tanks until they're 100% empty⁴ to reduce waste. Their hot swap ink tanks, including a reserve sub-ink tank, allows continuous printing even during ink tank replacement, to use resources optimally and maintain productivity.

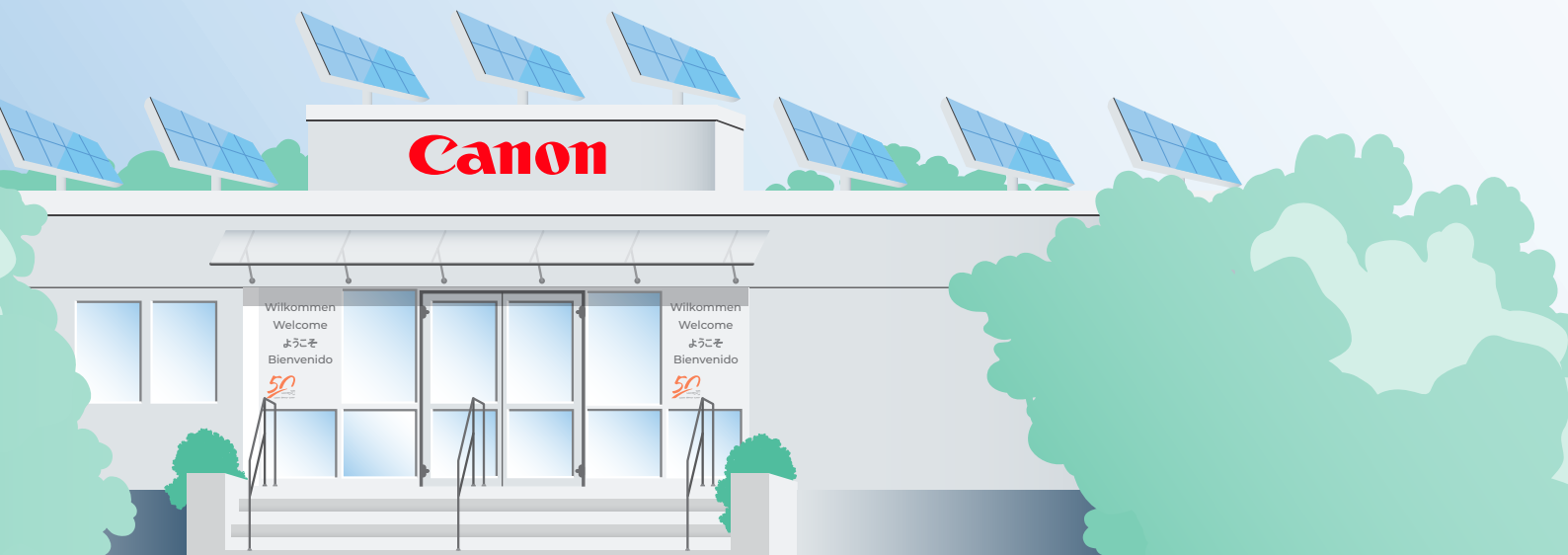
With the launch of LUCIA TD ink for imagePROGRAF TZ/TX/TM series, ink consumption is reduced significantly compared to older models. From the launch of LUCIA TD ink for TM series, in around 5 years' time, savings are equivalent to around 386,190 ink tanks, based on 130ml tanks.



Responsible Business

Water-based, non-toxic inks such as LUCIA ink ensure there is no harmful output from the imagePROGRAF range.

Some models in the range like imagePROGRAF TM¹ series run quietly as well – at just 39dB or 41dB depending on the model – making it ideal for noise-sensitive environments such as educational institutions or quiet offices.



WIDE FORMAT PRINTING

Our Arizona, Colorado, colorWAVE, and plotWAVE printers use many advanced technologies to drive sustainable improvements linked to carbon reduction, resources efficiency and responsible business. Here's how:



Carbon Reduction

The Colorado range consumes UVgel ink to create vibrant, durable and quick drying prints. UVgel uses 50% less energy in use compared to traditional ink – and since it's so robust, you can reduce the amount of lamination you need to do by 80% compared to competitor technologies, saving media, time and energy.

Our colorWAVE and plotWAVE printers qualify for ENERGY STAR 3.0 certification and have received EPEAT Silver certification⁵ due to their energy efficiency.

Our remanufactured Arizona is the same quality as a brand-new model and has up to 32% lower carbon footprint. With our Arizona Prémia class we extend the lifetime of our products to more than 15 years.



Resource Efficiency

We're helping our customers use ink and consumables as efficiently as possible.

The VariaDot technology in our Arizona printers uses up to 50% less ink than fixed dot six-colour flatbed printers.

The UVgel technology used by the Colorado means each device uses 40% less ink than competitors, helping to keep costs down too.

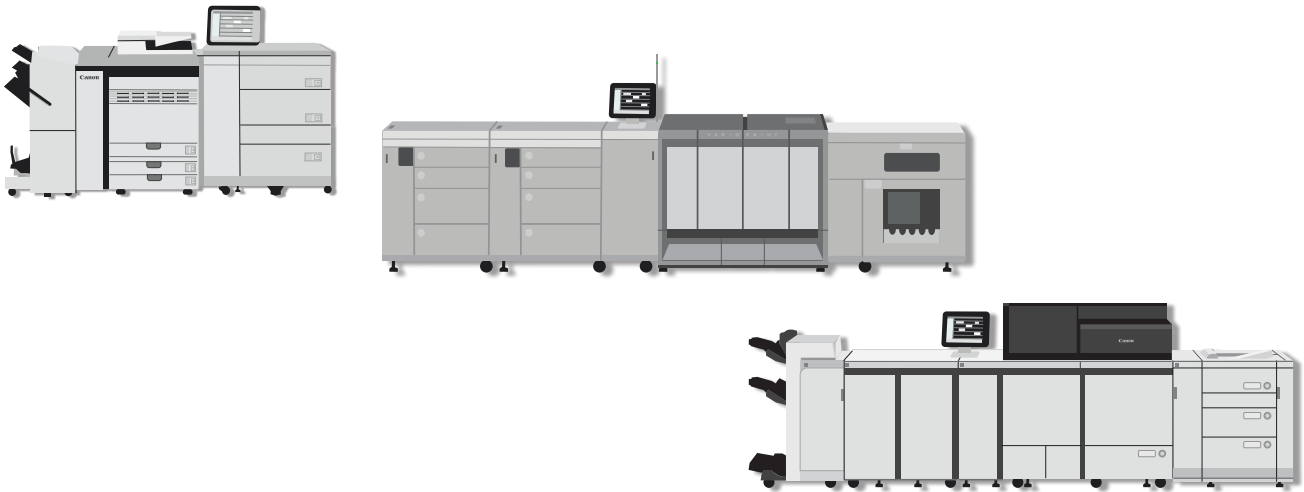
Plus, in 'ready' mode, our 5th generation colorWAVE T-series printers use 25% less energy compared to the 1st generation.



Responsible Business

For many organisations with sensitive environments, such as schools or hospitals, toxic inks can be a concern. We make sure our Arizona and Colorado devices use ink that's GREENGUARD Gold-certified.

The colorWAVE CrystalPoint technology has GREENGUARD Gold certification as well.



PROFESSIONAL PRINT

We recognise that print buyers are increasingly focused on sustainability, and it's no longer a 'nice-to-have' for many. There's scope to gain a competitive advantage in this area with the right technology, business model and promotional expertise.



Carbon Reduction

Logistics are a key cause of emissions in a product's lifecycle. The imagePRESS V900 is smaller and 18% lighter than its predecessor, enabling more efficient transportation. The device itself uses 7.5% less energy than the previous model, cutting emissions during operation too.

The varioPRINT 6000 series TITAN prints both sides of sheets simultaneously, saving energy. The toner has a lower melting point than traditional toner due to direct Gemini technology, which also reduces energy consumption.



Resources Efficiency

Having an efficient fleet is one part of the sustainability equation. Cutting waste through powerful software is key to conserving media and ink / toner.

Our PRISMA workflow portfolio helps you gain wider visibility over your operations – with PRISMAdirect, you can submit jobs and specifications remotely, while PRISMAsync controller enables optimal planning and resource management, enhanced by PRISMAprepare and PRISMAcolor Manager.

Our automation modules also help you target waste across the prepress, print, production, and finishing stages, reducing reprints and saving time.



Responsible Business

Throughout the EMEA region, our buy back programme brings in used machines and accessories to our central facilities. There, parts are reused, refurbished or remanufactured to support the circular economy.



OUR SUSTAINABILITY AWARDS AND CERTIFICATION



For 2023, Canon has been awarded an A score for climate change by CDP, the third time we have been included on their highest-ranking A list – placing us in the top 2% of companies assessed in this category.

The CDP is an international environmental non-profit organisation which evaluates major companies and organisations worldwide on their efforts to tackle environmental issues.



As of 2022, ISO 14001 consolidated certification covers Canon Inc. as well as 120 Group companies in 40 countries (564 operational sites) and regions around the world.

SUSTAINABLE MEDIA

We have a range of sustainable media available in different sizes and weights. Our Red Label Zero FSC® (Forest Stewardship Council) and Recycled White Zero FSC® papers serve the needs of the wide format market, and can be used in our imagePROGRAF, colorWAVE and plotWAVE printers.

The papers are made using pulp from FSC® certified suppliers who can demonstrate high standards of responsibility in their forestry practices.

Carbon emissions arising from the lifecycle of our Zero paper media options, from forest to paper mill to delivery to the end user, are compensated through a combination of efficient resource use at the paper mill. This includes replacing fossil fuels with biomass energy and the compensating of unavoidable carbon emissions through investment in certified climate compensation projects.



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