Production Print Solutions
OUR SUSTAINABILITY STORY

SMART CHANGE STARTS HERE.

Canon Solutions America abides by the corporate philosophy of our parent company, Canon Inc., expressed in one Japanese word: kyosei, which translates to "a spirit of cooperation." Our belief is that all people, regardless of race, religion, or culture, can harmoniously live and work together into the future.

As a global company, Canon understands that our future depends on the sustainability of the earth we all share. Canon has many significant achievements in the environmental and sustainability arena, including earning LEED Gold Certification of its Canon Americas headquarters in Melville, New York, in 2014 (also headquarters to Canon Solutions America), as well as being chosen as one of Interbrand's 50 Best Global Green Brands in 2014.

Our goal is to conduct business in harmony with the environment, and we are committed to a sustainable future both through our guiding philosophy and our actions.

SUSTAINABILITY OF OUR PRODUCTION PRINT PRODUCT LINE

Canon believes that creating great products and caring for the environment can go hand-in-hand. We aim to reduce environmental burdens in all stages of the product life cycle.

Canon's global Environmental Management System (comprised of hundreds of sites certified to ISO 14001) focuses on three fundamental strategies:

1. Resource Conservation
2. Energy Conservation
3. Elimination of Hazardous Substances

These efforts are cumulative and translate into helping our customers meet their own sustainability goals.

Our product sustainability efforts begin in the product development stage, where we strive to create cutting-edge products that exceed our customer's needs and utilize a greater amount of sustainable and/or recycled materials in our products and services. Beyond design, we consider the environment throughout the remainder of a product's life cycle, utilizing energy-efficient manufacturing processes, developing energy-efficient products, maintaining toner cartridge and container collection and recycling programs, and eliminating hazardous substances from our products and services wherever possible.

SUSTAINABILITY FEATURES BY PRODUCT

ColorStream Series

- Lower power consumption compared to competition.
- Ability to print on speed ramps to help reduce or eliminate paper waste while press ramps up to full speed.
- Waste-free Print Pause feature helps reduce paper waste if printing operation needs to be paused mid-print run.
- Ability to print on a variety of recycled papers at ranges up to 100 percent PCW (Post-Consumer Waste).
- Various de-inking scores of up to 85, depending on paper selected, according to the INGEDE Method and ERPC Method.

ProStream Series

- Very low Volatile Organic Compounds (VOC) in exhaust air, even with highest coverages through integrated exhaust air cleaning.
- Ability to remove cosolvents from exhaust through a process of cooling the exhaust air so quickly that the cosolvents condense. The liquid solvents are then fed into the waste canister for safe disposal.
- Automatic sensor control keeps the dryer operating at the ideal temperature, preventing additional energy use.
- Ability to print on a variety of recycled papers at ranges up to 100 percent PCW.

imagePRESS C10000/C8000 Series

- Compliant with the European Union's Restriction of Hazardous Substances (RoHS) directive, limiting the amount of six hazardous chemicals present in electronic equipment.
- Toner bottles are coded for recycling via Canon's Laser Consumable Return Program, and empty toner bottles can be recycled using local recycling facilities.
- Ability to print on a variety of recycled papers.
- Consumables don't include VOCs or other harmful or toxic substances.
- Offers reduced operational power consumption and Sleep/Low Power modes that help to lower Total Electricity Consumption.

VarioPrint 6000 TITAN Series

- Virtually no toner waste as a result of the patented Copy Press technology.
- The single engine design results in 30 percent less energy usage when compared with competition, which utilize the Xerographic process to lay down toner on paper.
- Very little ozone is produced. What is produced is captured by the machine and does not leave the printer.
- Both sides of the sheet are printed simultaneously, meaning print media only needs to be heated once, thereby using less energy in the Transfuse stage.
- Extremely high toner efficiency means there is little to no waste toner to dispose of.

VarioPrint i-series(+)

- Uses less power per A4 page than many B3 Toner presses on the market.
- Releases zero ozone emissions.
- Uses water-based pigment inks, which means no hazardous emissions, disposables, or smells.
- Achieves a high de-inking score, which means ink can be removed almost entirely from paper for maximum recyclability.
- Print only what you need. Eliminate printing excess since prints in low quantities can be efficiently and cost effectively produced.

VarioStream 4000 Series

- Compliant with the European Union's Restriction of Hazardous Substances (RoHS) directive, limiting the amount of six hazardous chemicals present in electronic equipment.
- Toner bottles are coded for recycling, and empty toner bottles can be recycled by using local recycling facilities.
- Offers an Operator Panel optional setting to reduce energy consumption after printing.
- Ability to print on recycled papers up to 100 percent PCW.
- TonerSafe Technology helps ensure the right toner is loaded in the system, thereby helping to reduce the potential for errors that could lead to extraneous waste.

varioPRINT iX-series

- Uses less power per A4 page than many B3 Toner presses on the market.
- Releases zero ozone emissions.
- Uses water-based pigment inks, which means no hazardous emissions, disposables, or smells.
- Achieves a high de-inking score, which means ink can be removed almost entirely from paper for maximum recyclability.
- Print only what you need. Eliminate printing excess since prints in low quantities can be efficiently and cost effectively produced.

PRODUCTION PRINT SOLUTIONS ECO START PROGRAM

About the Program

The Eco Start Program began in 2011 as a way to help our production print customers build their sustainability portfolios and have a positive impact on developing communities. When a new production system is purchased, Canon Solutions America engages the Trees for the Future organization to plant trees in an effort to help counterbalance that machine's average expected CO2 emissions during its first year in operation.

Trees for the Future, a Charity Navigator four-star organization, has helped thousands of communities improve their livelihoods and environment by planting more than 210 million trees, sequestering 4.5 million metrics tons of CO_2 from the atmosphere since 1989.*

Trees for the Future plants the donated trees in its unique Forest Garden system in poverty-stricken communities in Sub-Saharan Africa. The Forest Garden Program is a sustainable agriculture practice where farmers plant a specific variety of crops and trees in phases over a four-year period. These Forest Gardens provide families with fuel, food, and a means to engage in local commerce.

In addition to helping families, the trees planted help to tackle environmental degradation, restore biodiversity, and remove tons of greenhouse gas from the atmosphere.* This program brings an environmental focus into each purchase of a new production printer and is an extension of Canon's commitment to sustainable business practices. Eco Start is also a way for us to help our customers achieve their own corporate environmental initiatives.

How Does the Eco Start Program Work?

We started with the goal of incorporating our customer's acquisition of new production printers into our company's sustainability practice. We calculate, internally, the anticipated CO2 emissions from each of our production print products during their first year of use based on their average expected energy consumption, annual print volumes, and paper consumption. We factor into the equation variables like anticipated standby and running power, expected output volume per month, average projected operating hours per month, and the estimated energy to cool the production system.

Trees for the Future 2021 Impact Report.

This calculation provides us with an average expected total carbon emissions per year for each product and allows us to calculate the anticipated number of trees needed to help offset those average emissions. (It is important to note that these calculations are based on average estimated annual usage and not actual usage.) We currently include 11 of our production print devices in this program, and each helps to contribute to the donation and planting of between 230 and 2,100 trees per machine sold.*

When a customer purchases a new production print machine, we use our internal machine specifications to estimate the number of trees that should be planted to help offset the average emissions anticipated from the newly purchased device. We make that donation to Trees for the Future, who then plants the trees in Africa according to their organization's mission. Finally, we educate our customers on the role they play in this program, and we present them with a certificate of appreciation for their part.

Program Results

Since 2011, Canon Solutions America has worked with Trees for the Future to plant more than 2.5 million trees on behalf of our customers. That is enough area to cover nearly two times the size of Central Park in Manhattan, New York. These trees have created 584 sustainable Forest Gardens and helped hundreds of families escape poverty. On average, more than 100 Canon Solutions America customers participate in this program each year. The total number of trees planted under the Eco Start Program will help remove over 86,200 metric tons of carbon over the next 20 years.

About Trees for the Future

Trees for the Future is improving the livelihoods of impoverished farmers by revitalizing degraded lands. For more than three decades, they have demonstrated the transformative power of trees in helping smallholder farmers to break out of the poverty trap. Today, their work in East and West Africa is helping to end hunger and poverty, leaving a legacy of opportunity through sustainable practices and productive lands for future generations. For more information, please visit trees.org.

How Can You Get Involved?

If you'd like to contribute to the program, Canon Solutions America can help you with the calculation based on the activity on your press and can put you in touch with Trees for the Future to discuss formulating your own tree planting contribution. Contract your Canon Solutions America sales representative to get started.

Canon Solutions America provides industry-leading enterprise, production, and large format printing solutions, supported by exceptional professional service offerings. Canon Solutions America helps companies of all sizes find ways to: improve sustainability, increase efficiency, and control costs in conjunction with high volume, continuous feed, digital and traditional printing, and document management solutions.

A wholly owned subsidiary of Canon U.S.A., Inc., Canon Solutions America is headquartered in Melville, New York, and has sales and service locations across the U.S.

For more information on Canon Solutions America, visit our Production Print Resource Center at:
csa.canon.com/ProductionPrint

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