Consumable Recycling Programs For Customers

- Toner Cartridge Return Program

- Toner Container Recycling/Collection Program

Canon's Overview on the Environment

Living and Working Together into the Future

We at Canon are guided by the philosophy of *Kyosei* –living and working together for the common good. As a world-class leader in imaging technologies, we consider it our responsibility to protect and preserve valuable environmental resources. Canon seeks to be a truly excellent global corporation. For our customers, we offer the best products possible. Simultaneously, we strive to improve our relationships with local communities and to increase our respect for the environment as we contribute to the prosperity of the world and the happiness of its people.

Our company's commitment and contribution to the environment and to the world community are an integral part of Canon's management structure, product design, manufacturing, and corporate culture. This commitment has inspired many special corporate programs at both the global and regional level.
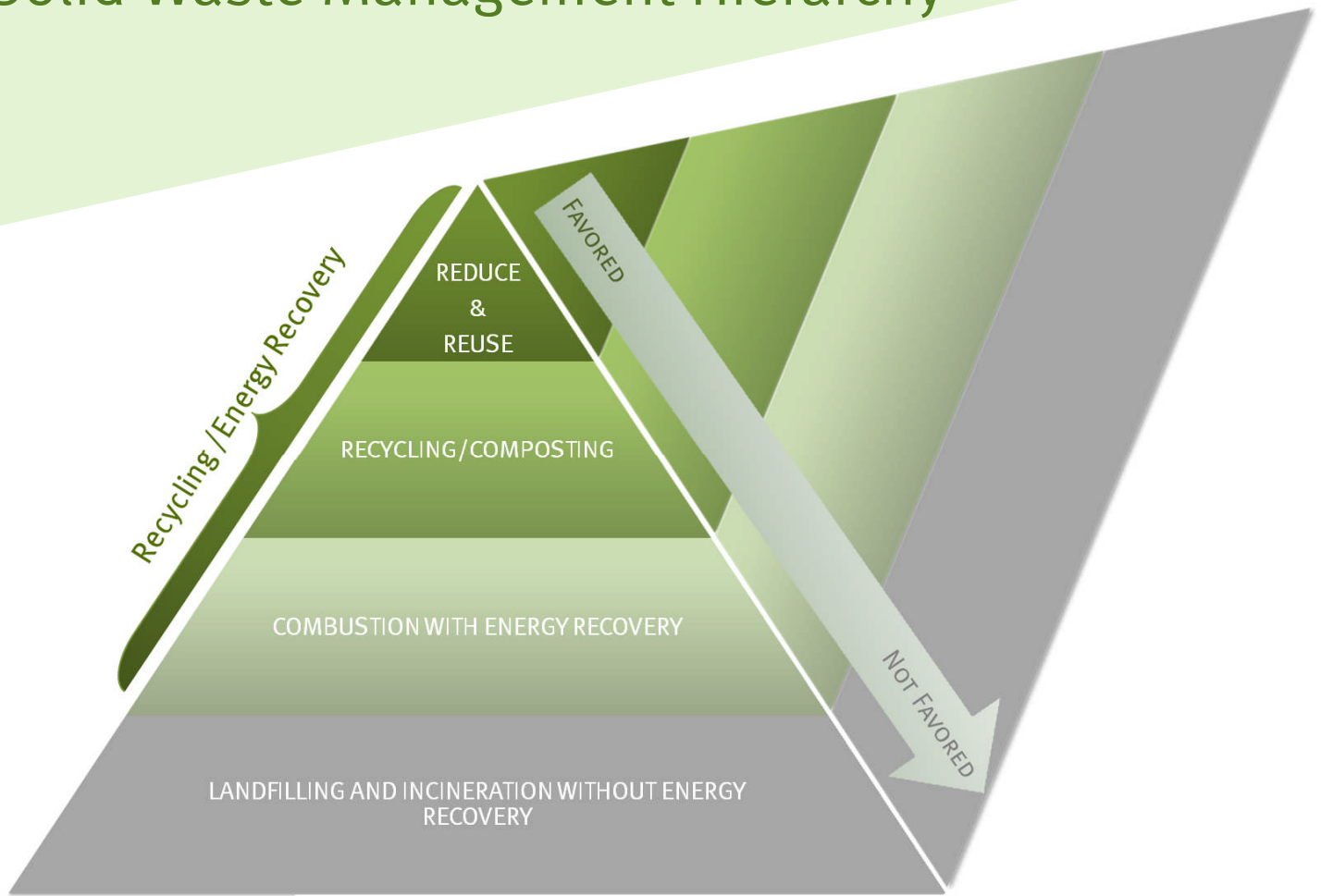
At Canon, we believe in living and working together into the future. We're committed to bringing you advanced technologies that run your business while respecting the global environment. For additional information on these programs please contact your Local Authorized Dealer.

To learn more about other Canon environmental and community initiatives please visit:

KYOSEI

Living and working together for the common good.

 http://www.usa.canon.com/cusa/about_canon/community_environment

Solid Waste Management Hierarchy

The above Solid Waste Management Hierarchy pyramid explains the favored ways of addressing solid waste. At the top of the pyramid (tier one) is the reuse of an item, which helps reduce the amount of waste consumed. The second tier is recycling/composting. According to the United States Environmental Protection Agency, "Recycling prevents the emission of many greenhouse gases and water pollutants, saves energy, supplies valuable raw materials to industry, creates jobs, stimulates the development of greener technologies, conserves resources for our children's future, and reduces the need for new landfills and combustors." Waste that cannot be reused or recycled can be combusted for energy recovery (tier three). Landfills or incineration without energy recovery (tier four) is found at the bottom of the pyramid and is not favored.

As you read this brochure, you will learn about Canon's Consumables Return/Collection Programs* and how they compare to the Solid Waste Management Hierarchy shown above.

For information on how Canon's Large Format Ink Cartridge Collection Program is contributing to the goal of zero landfill waste please visit:

https://www.usa.canon.com/internet/portal/us/home/products/groups/supplies-inkcollection

*Canon's Consumables Return/Collection programs are for the acceptable listed (within the brochure) GENUINE cartridges/containers only. The acceptable product must follow the appropriate process.
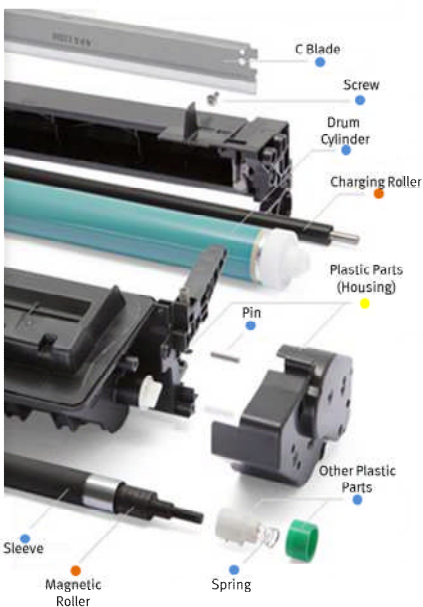
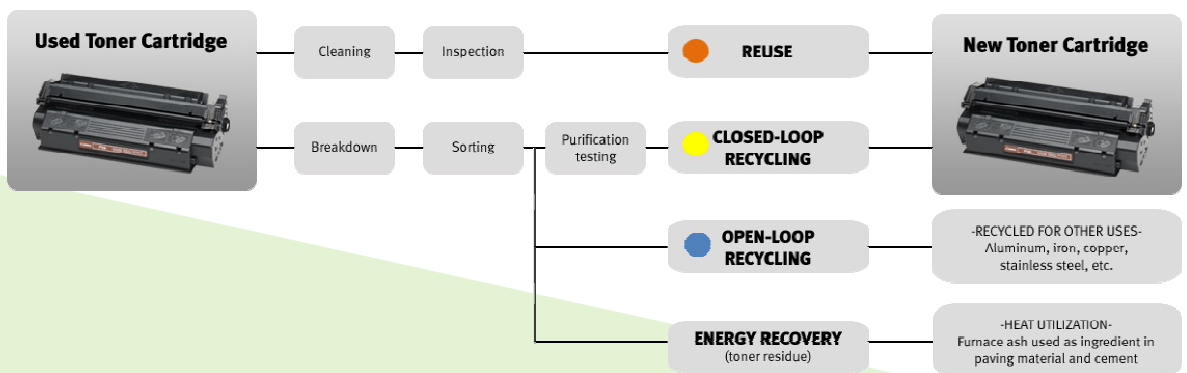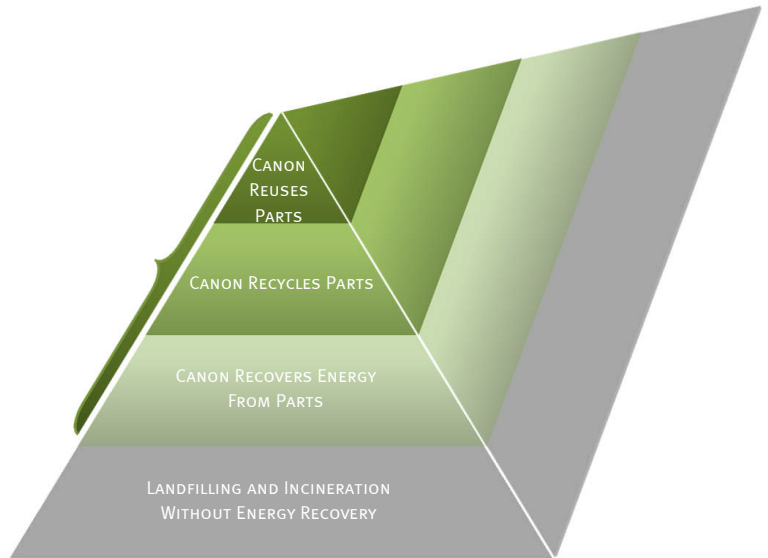**(For All-In-One and Multiple Components Toner Cartridges)**

Canon explores methods to minimize the environmental burden of its products throughout their life -cycle and to promote research and development, which contribute to environmental assurance. In 1990, Canon introduced a cartridge recycling program for all-in-one laser beam printer toner cartridges (better known as the Clean Earth Campaign). The goal of this program is to achieve zero landfill waste by reusing parts, recycling materials and employing energy recovery. Canon was the first company to collect used all-in-one toner cartridges. With the cooperation of our customers, Canon has collected more than 362,000 tons around the world.

Where Does the Toner Cartridge Return Program Stand on the Solid Waste Hierarchy?

Let the breaking down and sorting begin! Canon cartridges are broken down, sorted and either reused, recycled or put through the energy recovery process. Absolutely no landfill waste is generated from the Canon Toner Cartridge.

Canon Reuses Parts

Canon Recycles Parts

Canon Recovers Energy From Parts

Landfilling and Incineration Without Energy Recovery

- Open Loop Recycling/Energy Recovery
- Reused
- Closed Loop Recycling

Used Toner Cartridge	Cleaning	Inspection		REUSE	New Toner Cartridge
Breakdown	Sorting	Purification testing	CLOSED-LOOP RECYCLING	
			OPEN-LOOP RECYCLING	-RECYCLED FOR OTHER USES- Aluminum, iron, copper, stainless steel, etc.
			ENERGY RECOVERY (toner residue)	-HEAT UTILIZATION- Furnace ash used as ingredient in paving material and cement

Recycling and Recovery

Canon assumes responsibility for recycling and recovering a high rate of the toner cartridges collected. What makes this possible is the craftsmanship that is premised from the design stage on the cartridges' recyclability. Consideration for the environment goes into every aspect of design, beginning with the selection of materials and continuing through manufacturing and processing of the used cartridge.

16% Energy Recovery

24% Reuse & Closed Loop Recycling

60% Open Loop Recycling
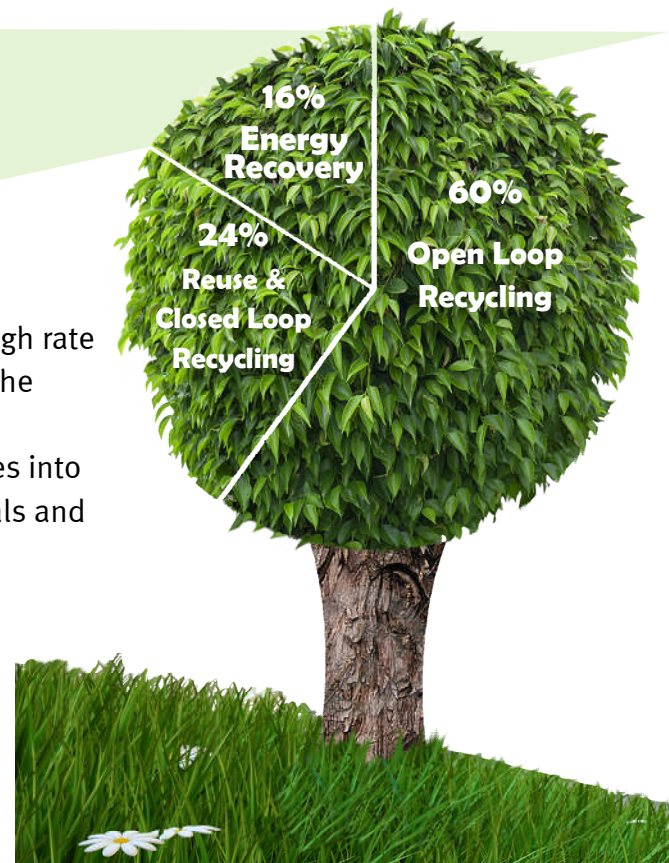
Shipping Labels*

Shipping labels for the Toner Cartridge Recycling Program can be downloaded on the Canon U.S.A. Website. To help conserve resources and reduce energy during transportation, Canon asks its customers to return more than one cartridge per shipping label. This can be done by retaining several cartridges with boxes, then using the Multiple or Bulk Cartridge Return options. To download a shipping label or if you would like to request a free eight cartridge collection box, please visit: http://www.usa.canon.com/tonercartridge_recycling or call: 1-800-OK-Canon.

* Pre-paid labels can only be used in the Contiguous United States. They are not valid in Alaska, Guam, Hawaii, or Puerto Rico.

Acceptable Cartridges/Drums for the Toner Cartridge Return Program

CRG-101 Cartridge	CRG-102 Drum	CRG-103 Cartridge	CRG-104 Cartridge	CRG-105 Cartridge
CRG-106 Cartridge	CRG-107 Cartridge	CRG-108 Cartridge	CRG-110 Cartridge	CRG-110 II Cartridge
CRG-111 Cartridge	CRG-112 Cartridge	CRG-115 Cartridge	CRG-116 Cartridge	CRG-117 Cartridge
CRG-118 Cartridge	CRG-119 Cartridge	CRG-119 II Cartridge	CRG-120 Cartridge	CRG-125 Cartridge
CRG-125 Cartridge	CRG-P Cartridge	A30 Cartridge	E20 Cartridge	E40 Cartridge
EP-22 Cartridge	EP-25 Cartridge	EP-32 Cartridge	EP-52 Cartridge	EP-62 Cartridge
EP-72 Cartridge	EP-82 Cartridge/Drum	EP-83 Cartridge/Drum	EP-85 Cartridge	EP-86 Cartridge
EP-87 Cartridge	EP-A Cartridge	EP-E Cartridge	EP-H Cartridge/Drum	EP-L Cartridge
EP-P Cartridge	EP-S Cartridge	EP-W Cartridge	F100 Cartridge	FX-1 Cartridge
FX-2 Cartridge	FX-3 Cartridge	FX-4 Cartridge	FX-5 Cartridge	FX-6 Cartridge
FX-7 Cartridge	FX-8 Cartridge	FX-11 Cartridge	GPR-1 Cartridge	GPR-7 Cartridge
GPR-28 Cartridge	GPR-29 Cartridge	GPR-40 Cartridge	GPR-41 Cartridge	GPR-44 Cartridge
GPR-45 Cartridge	L50 Cartridge	MP Cartridge 10	MP Cartridge 20	MP Cartridge 30
MP Cartridge 40	PC Cartridge	S35 Cartridge	X25 Cartridge	

Canon plastic toner containers are part of the Canon Toner Recycling Program and should continue to be returned through that program. For more information on the options available to dealers on how to return these toner containers to Canon please see Page 5 in this brochure or click here: http://www.usa.canon.com/tonercontainer_recycling

TONER CONTAINER
COLLECTION PROGRAM
(For Plastic Toner & Waste Toner Containers)

To contribute to the goal of zero landfill waste, Canon dealers and customers can send their Canon toner containers and waste toner containers to the Canon recycling facility in Kentucky. Unlike Canon's all-in-one cartridges, these containers are made mainly of plastic material making local recycling and local energy recovery possible. Canon toner particles and plastic toner containers contain no hazardous materials and are therefore acceptable at local recycling and local energy recovery facilities. When local recycling is utilized, environmental impacts associated with the transportation of containers are reduced. In the case that local recycling isn't an option, Canon has created alternative options for dealers and customers.

Canon's Recommended Option—Recycle Locally
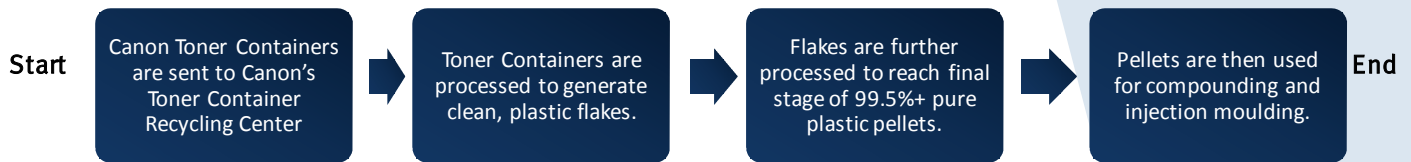
Think Globally, Act Locally

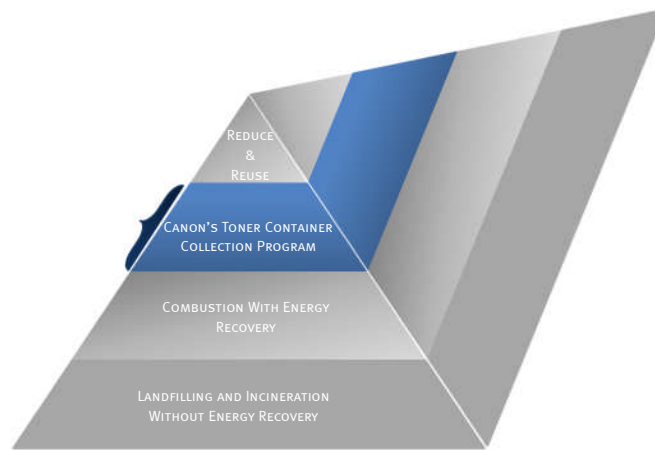## Canon's Toner Container Recycling Center

When Canon plastic toner containers cannot be recycled locally or sent to a local energy recovery facility, Canon asks that dealers and customers ship them to the address below at their expense. Once received by our facility, Canon assumes the responsibility and cost for recycling to keep Canon toner containers from going into landfills.

Canon Toner Container Recycling Center
2051 Meridian Place
Herbon, KY 41048

So what happens at the Canon Toner Container Recycling Center?

Start → | Canon Toner Containers are sent to Canon's Toner Container Recycling Center | → | Toner Containers are processed to generate clean, plastic flakes. | → | Flakes are further processed to reach final stage of 99.5%+ pure plastic pellets. | → | Pellets are then used for compounding and injection moulding. | → End

Where does the Toner Container Recycling Program stand on the Solid Waste Hierarchy?

REDUCE & REUSE

CANON'S TONER CONTAINER COLLECTION PROGRAM

COMBUSTION WITH ENERGY RECOVERY

LANDFILLING AND INCINERATION WITHOUT ENERGY RECOVERY

Acceptable Containers for the Toner Container Collection Program

C120 Toner	C330D Toner	CLC 1100 Series Toner	CLC 5000/3900 Toner	CLC 700/800 Toner	CRG-102 Toner	GP200 Toner	GPR-2 Toner
GPR-4 Toner	GPR-5 Toner	GPR-6 Toner	GPR-8 Toner	GPR-9 Toner	GPR-10 Toner	GPR-11 Toner	GPR-12 Toner
GPR-13 Toner	GPR-15 Toner	GPR-16 Toner	GPR-17 Toner	GPR-18 Toner	GPR-19 Toner	GPR-20 Toner	GPR-21 Toner
GPR-22 Toner	GPR-23 Toner	GPR-24 Toner	GPR-26 Toner	GPR-27 Toner	GPR-30 Toner	GPR-31 Toner	GPR-32 Toner
GPR-33 Toner	GPR-34 Toner	GPR-35 Toner	GPR-36 Toner	GPR-37 Toner	GPR-38 Toner	GPR-39 Toner	GPR-42 Toner
GPR-43 Toner	GPR-48 Toner	GPR-51 Toner	GPR-53 Toner	GPR-54 Toner	GPR-55 Toner	GPR-55L Toner	GPR-56 Toner
GPR-57	IPQ-1 Toner	IPQ-2 Toner	IPQ-3 Toner	IPQ-4 Toner	NP1010/1020 Toner	NP6/7/8000 Toner	NPG-1 Toner
NPG-7	NPG-10	NPG-11 Toner	NPG-12 Toner	NPG-13A Toner	NPG-14 Toner	T01 Toner	T02 Toner
Canon Waste Toner Containers	Canon varioPRINT DP Toner	Océ varioPRINT DP Toner					

Canon all-in-one cartridges remain part of the Canon Clean Earth Campaign and should continue to be returned through that program. For more information on how you can return these cartridges to Canon please see Page 3 or visit: http://www.usa.canon.com/tonercartridge_recycling

Reduce, Reuse, Recycle

Canon
SEE IMPOSSIBLE

1-800-OK-CANON

www.usa.canon.com

Canon U.S.A., Inc.

One Canon Park

Melville, NY 11747

CANON GENUINE
TONER, CARTRIDGE & PARTS

CANON AND THE ENVIRONMENT

Protecting the Environment

Canon is guided by the philosophy of Kyosei–all people, regardless of race, religion or culture, harmoniously living and working together into the future. As a world-class leader in imaging technologies, Canon is dedicated to protecting and preserving valuable environmental resources. To meet this commitment, Canon has put in place an Environmental Management System that is certified to the ISO 14001 standard. At each stage of the product life cycle–produce, use, and recycle–Canon assesses the amount of CO_2 emitted and strives to reduce it, always seeking ways to conserve energy and resources, and reduce hazardous substances.

Care from Start to Finish

Starting with product development, all suppliers are required to meet Canon's stringent Green Procurement policy and environmental terms. This helps the company exceed the toughest global standards for restricting or eliminating hazardous chemical substances from its products. Canon's state-of-the-art technology is engineered into lighter, compact body designs that use fewer materials and save space, thereby reducing the amount of packaging and fuel required for transport. And to further reduce CO_2 and other greenhouse gas emissions when delivering products nationwide, Canon partners with the U.S. EPA in the SmartWay Transport program.
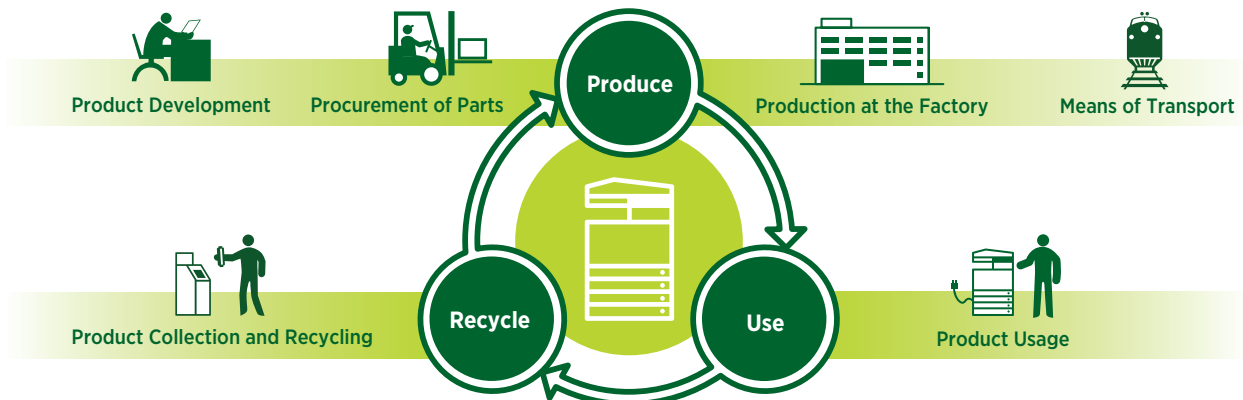
Product Usage

When a Canon device reaches your workplace, you'll value the features that help save energy, paper, and toner. Canon has developed innovative technologies that make its business products highly energy efficient while delivering great performance. For example, its RAPID Fusing System technology reduces power consumption of digital multifunction devices by up to 80% over previous models without this technology. Canon has been a partner of U.S. Environmental Protection Agency (EPA) ENERGY STAR® program for over 20 years and has received numerous awards and recognition for environment-conscious product design. Canon devices also support a full range of features that help reduce paper usage and toner consumption.

Product Collection and Recycling

When Canon's business products have completed their full service life, Canon offers a nationwide take-back service for proper end-of-life management. Canon pioneered the collection of used toner cartridges in 1990 and its recycling program is still going strong today. Canon's innovative green technologies also include bio-based plastic, a plant-derived compound that replaces certain petroleum-based plastic parts. Canon believes in living and working together into the future. It's committed to bringing you advanced technologies that run your business while respecting the global environment.

Product Development Procurement of Parts **Produce** Production at the Factory Means of Transport

Product Collection and Recycling **Recycle** **Use** Product Usage

With the imageRUNNER ADVANCE Series, Canon has developed leading-edge technologies with a stronger environmental focus at every stage of the product lifecycle.

- Canon's Lifecycle Assessment System (LCA) seeks to control carbon emissions at each lifecycle stage. The result? **An overall CO_2 target reduction of up to 50%** over previous models. **This equates to as much as 2.5 tons of carbon per year, per device**.*

- In order to reduce dependence on petroleum-based materials, Canon uses **100% recycled plastics and bio-based plastics** on certain exterior parts.

- Smaller and lighter design helps improve transportation efficiency. As a result, carbon emissions per transporter vehicle can be **reduced by up to 50%**.*

- Power consumption in Sleep Mode has been **reduced to 1W–or less**!*

- ENERGY STAR: Savings in power consumption during a one-week period has been **reduced by up to 75%**!*

- The use of White LED array technology in its Color Image Reader rather than a traditional Xenon tube **reduces power consumption by up to 75%**!

- Canon offers **products that are registered in accordance with the Electronic Product Environmental Assessment Tool** (IEEE 1680.2 or EPEAT) for Imaging Equipment.

- Using Canon Image Sensor technology rather than traditional CCD sensors **reduces power consumption by up to 50%**!

- Advanced Color RAPID Fusing and new Induction Heating (IH) technologies **reduce power consumption and limit the warm-up period.**

- Toner Technologies with a lower melting point **reduce fusing temperature requirements.**

- All Suppliers are required to meet **Canon's stringent Green Procurement policy and environmental terms.** This helps Canon exceed the toughest global standards, such as those set by the European Union's RoHS Directive, which controls/restricts the use of hazardous substances.

- Each system is equipped with paper-, toner-, and energy-saving features that **cut costs and conserve resources**.

- Long-life parts and higher-yielding supplies help **maximize uptime and reduce the amount of materials** consumed during the product life cycle.

- Canon's Corporate Environmental Management System **is certified to the ISO 14001 Standard**–with over **700 Canon companies and facilities certified.**

- Canon was recognized as a proud recipient of the **U.S. Environmental Protection Agency 2016 ENERGY STAR® Partner of the Year-Product Brand Owner award.****

- For more information, please visit **www.usa.canon.com/environment**.

* Actual amount may vary by model.
** For more information on the ENERGY STAR program and awards, visit www.energystar.gov.

USA.CANON.COM/ENVIRONMENT

Canon
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ENERGY STAR AWARD 2016
PARTNER OF THE YEAR