



GreenLine™:

Resource-minded printing devices

Saving and environmental sustainability

Ricoh goes beyond simply recycling parts with **multifunction GreenLine™**.

Decommissioned devices are **remanufactured** and **recirculated** within the production cycle.

The process is based on **rigorous standards** and **tests** carried out on all parts and on the finished multifunction device, **to guarantee the efficiency** and **productivity** of new **Ricoh GreenLine™** products.

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Tangible sustainability

Each year three billion tons of waste are generated in the European Union. Therefore, there is an increasingly pressing need for finding new ways of reducing these volumes, thanks to systematic recycling and reuse processes. In companies, sustainability should be an important aspect of day-to-day business, so as to contribute towards reducing environmental impact as much as possible. In light of this, Ricoh can support organizations to achieve sustainability goals thanks to the range of GreenLine™ multifunction devices.

Ricoh gives new life to technologies

Ricoh strongly believes in the recycling of parts, in order to give new life to technologies. Meticulous checks and rigorous tests ensure that all Ricoh GreenLine™ certified multifunction devices are reliable, productive and efficient.

These devices are cost-effective and have a lower environmental impact by significantly reducing the CO₂ emission in our remanufacturing process and of course, reusing the returned asset. The energy used during the Ricoh GreenLine™ production process is compensated by carbon credits generated thanks to Ricoh's investments in clean energy projects approved by the United Nations Framework Convention on Climate Change (UNFCCC).

Reuse of resources in the production cycle

Decommissioned Ricoh devices are recirculated within the production cycle, thus transcending the simple concept of reuse and offering new value for raw materials. In this way the life cycle of parts is extended, resulting in a positive contribution towards environmental impact reduction.

Sustainable strategies at the heart of success

By choosing a Ricoh GreenLine™ device, companies get a cost-effective solution and make a clear statement about their commitment to eco-sustainability.

The success of businesses is increasingly dependent on their ability to comply with environmental standards.

The development of sustainable strategies is becoming fundamental for growth and competition on the market.



The GreenLine™ ... From A to Z

Printing environments must be reliable and productive. This is why the GreenLine™ process implemented by Ricoh is highly selective: only devices in excellent conditions and which during their lifetime have received assistance and maintenance from Ricoh staff are admitted to the GreenLine™ production line.

In practice...

- Each product is disassembled, cleaned and checked
- Any damaged or worn parts are replaced
- Parts which may soon become damaged are also replaced, even if they still work
- The hard disk drive and other internal memories are deleted and formatted
- All operation software is updated to the latest version
- The device is reassembled and undergoes rigorous testing
- Only those devices that pass the rigorous operational and quality tests are issued to the market

GreenLine™ assets are going through a comprehensive Ricoh factory production process, independently audited and compliant with the BS8887:220 standard requirements for the process of remanufacture. Every machine undergoes the same quality assurance process as a newly manufactured device.

the advantages

- Green "as good as new" solutions
- At a lower cost
- Reliability
- Sustainable efficiency
- Proven sustainable business practices

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We reduce the environmental impact of all our activities

Sustainability is an intrinsic part of Ricoh's lifeblood and was one of the inspiring principles of our founder, Kiyoshi Ichimura. Environmental impact reduction strategies extend to all our activities, from Research & Development to production, distribution and recycling. We integrate our commitment to sustainability with business development, by achieving profit targets while, simultaneously, contributing towards the conservation of resources.

Following our adoption of the UN's Sustainable Development Goals (SDGs) and the Paris Agreement (2016), we have set environmental goals to help achieve a zero-carbon society and circular economy.

Over the years, Ricoh has developed a global strategy for environmental impact reduction, focused on:

- Energy conservation and the prevention of global warming
- The conservation and recycling of resources
- Pollution prevention
- Biodiversity conservation

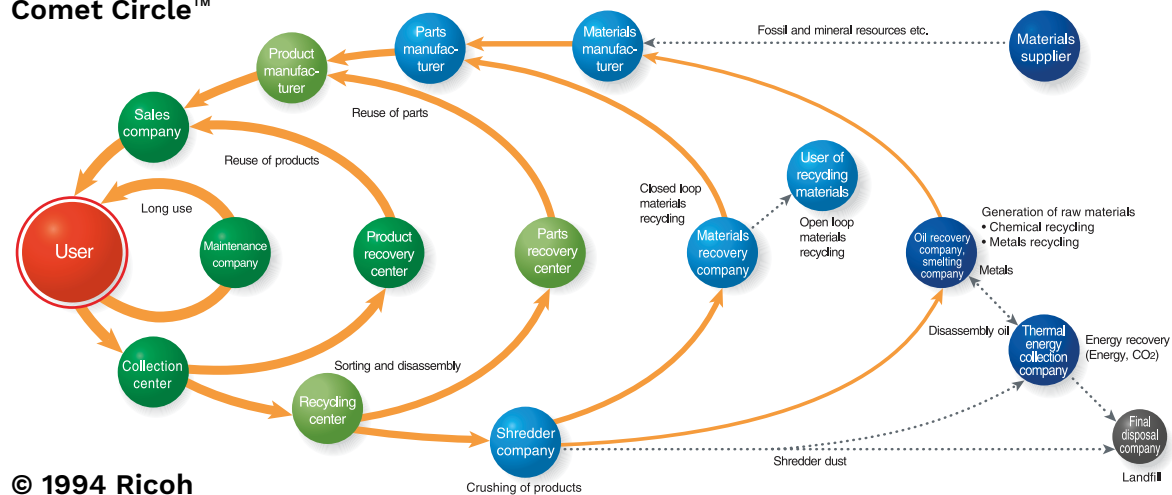
Ricoh adopts a sustainable approach in each phase of the product life cycle, from the development of low environmental impact technologies to the full recycling of materials.

Equipment is designed and built so that it is easily recyclable or reusable.

This approach is illustrated by the so-called Comet Circle™, which we use to represent our idea of a sustainable society.

The Comet Circle™ includes, for example, the collection of used cartridges, providing customers with a sustainable alternative, even for consumable goods.

Comet Circle™



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Driving Sustainability for Our Future

When we pursue success, there is only one way we want to achieve it: responsibly. Ricoh supports the United Nation's Sustainable Development Goals (SDGs) – a global partnership to address the challenges our world faces. The SDGs are the blueprint to achieve a better and more sustainable future for all. Our building blocks for these initiatives include people (society), planet (environment) and prosperity (economic activities).



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