imageRUNNER ADVANCE EQ80

Looking after tomorrow, today

A LIFE IN PICTURES

Canon

That Canon device in your office – the one you and your teams rely on every day for your printing and scanning needs.

Do you ever wonder about the process that brought it to you, or what happens when you are finished with it?

On average, office multifunction printers (MFPs) are replaced every three to five years. That's quite a rate of churn. So what happens to your MFP after it's left your workplace?

There are a number of options – and remanufacturing is probably the most compelling of all.

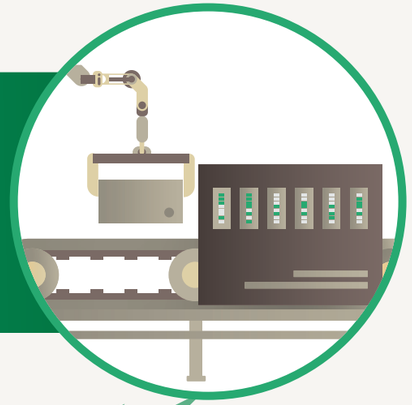
Through the EQ80 remanufacturing programme, we give our most popular Canon imageRUNNER ADVANCE models a new lease of life, making the very most of the resources used in their initial creation. In fact, EQ80 MFPs reuse up to 80% of those resources.

This is the potted life story of one of these imageRUNNER ADVANCE models, from its original manufacture, to its use in an office environment, to its transformation to an EQ80 MFP through remanufacturing – and beyond.

What is Remanufacturing?

"The rebuilding of a product to specifications of the original manufactured product using a combination of reused, repaired and new parts"

ADPI



STAGE 1:

SUSTAINABILITY BY DESIGN

The first step in the process of creating the imageRUNNER ADVANCE MFP takes place in the lab.

At our headquarters in Japan, **our engineers work to create new solutions that squeeze ever-better device performance, user-friendliness and reliability from fewer resources.**

For example, the imageRUNNER ADVANCE DX C5800 Series produces 18% less CO2 over its entire product lifecycle compared to its predecessor model. And it's designed to be built using fewer materials, reducing the environmental impact of making and transporting it.

STAGE 2:
THOUGHTFUL SOURCING OF RAW MATERIALS

Sustainability is a multi-faceted phenomenon which goes far beyond the hardware design stage. That's why we're so focused on the materials we use to make new office devices.

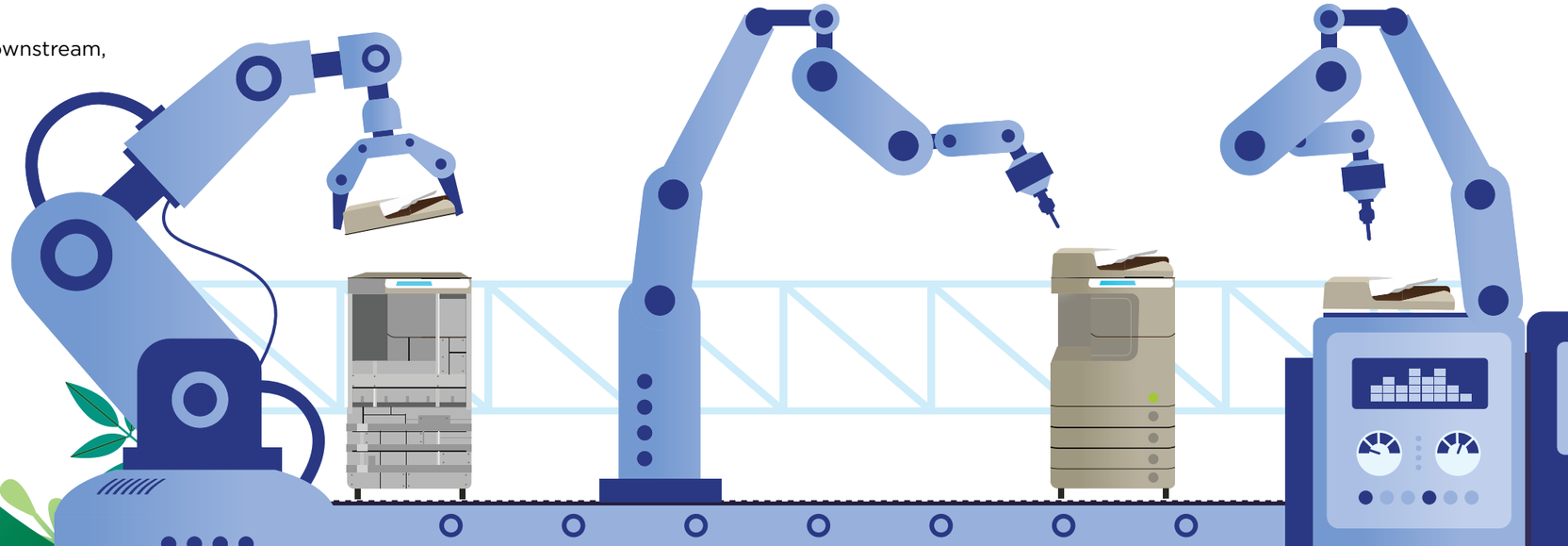
We've formulated a strict procurement policy aimed at improving the sustainability of the parts and materials that go into our MFPs. We request that all suppliers in the materials supply chain operate environmental management systems to monitor their business activities and the use of chemical substances in their products.

As this applies to all businesses in the supply chain, both upstream and downstream, our suppliers must verify that their suppliers meet these standards too.

This policy comes in addition to the pre-existing legal requirements to reduce the use of specific substances, and implement preventive measures against pollution of soil and groundwater, which all our suppliers must comply with.

DID YOU KNOW?

According to Canon's analysis, over 60% of the lifetime CO2 footprint of a printing device is generated from its use. Less than 40% comes from raw material extraction, parts manufacturing and product assembly.



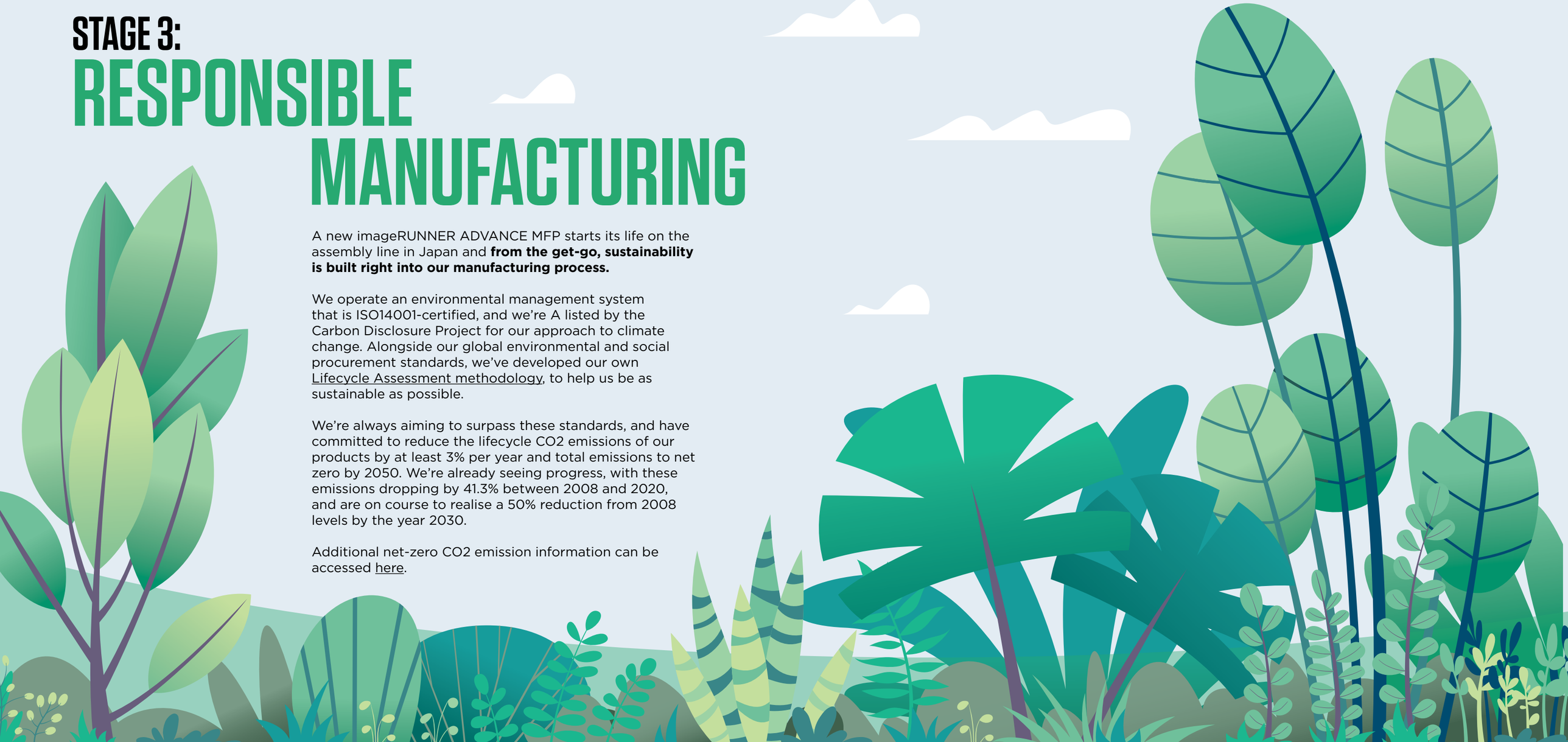
STAGE 3:
RESPONSIBLE MANUFACTURING

A new imageRUNNER ADVANCE MFP starts its life on the assembly line in Japan and **from the get-go, sustainability is built right into our manufacturing process.**

We operate an environmental management system that is ISO14001-certified, and we're A listed by the Carbon Disclosure Project for our approach to climate change. Alongside our global environmental and social procurement standards, we've developed our own Lifecycle Assessment methodology, to help us be as sustainable as possible.

We're always aiming to surpass these standards, and have committed to reduce the lifecycle CO2 emissions of our products by at least 3% per year and total emissions to net zero by 2050. We're already seeing progress, with these emissions dropping by 41.3% between 2008 and 2020, and are on course to realise a 50% reduction from 2008 levels by the year 2030.

Additional net-zero CO2 emission information can be accessed here.



STAGE 4:
SENSIBLE SHIPPING

Once the imageRUNNER ADVANCE is built, quality-checked and packaged, we ship it to Europe and then on to our customer.

We're always working to improve the sustainability of our logistics supply chain.

To name just a few improvements, we've:

- Worked with manufacturing and sales companies across regions to reduce logistics-related CO2 emissions from production to sales, including reducing distances and increasing load efficiency for international shipments.
- Downsized products so we can load more into each transportation route and use less fuel to move them.
- Introduced more recycled and recyclable material within our packaging where possible, such as using pulp moulds for smaller products rather than organically derived polystyrene foam.
- Consolidated around 40,000 single device stock locations to 2,300, and introduced an Intelligent ordering algorithm, saving around 135,000 shipments of individual toners annually in Europe.
- Worked with our logistics partners to ensure that they will match the 3% per year reduction in CO2 emissions that we have committed to.

STAGE 5:
A NEW TEAM PLAYER

The imageRUNNER ADVANCE MFP is ready for a life of service in our customer's office. It's designed to make working with printed and digital documents simple, fast and effortless.

AWARD-WINNING QUALITY AND RELIABILITY

Canon devices are recognised for their excellent performance, with the imageRUNNER ADVANCE range alone earning five BLI Line of the Year awards from Keypoint Intelligence in the last six years. Customers can rely on high-quality service, day in, day out.

EASY TO USE

Our MFPs are designed for simple operation, with intuitive user interfaces, remote access through business printing apps, and a consistent user experience across a fleet of mixed devices. Additionally, our unified firmware platform supports new updates across the fleet, so customers can enjoy the latest features quickly and easily.

MAKING WORKFLOWS SEAMLESS

imageRUNNER ADVANCE MFPs are compatible with a range of cloud workflow solutions which can provide seamless integration with other devices and enable users to store, access and print documents from anywhere.

Many of our recent MFPs include uniFLOW Online Express as standard, offering secure cloud-based authentication, accounting and scanning functionality. Or customers can enhance compatible devices with uniFLOW Online, providing more sophisticated functionality such as reporting, document security and advanced workflow features.

SUPPORTING MORE SUSTAINABLE OPERATIONS

Our MFPs also include several features that promote better use of resources:

- Double-sided printing and copying can cut paper consumption by up to 50%.
- Energy-efficient design elements help reduce CO2 emissions during use. For example, the imageRUNNER ADVANCE DX C5800 Series produces 18% less CO2 over its entire product lifecycle compared to its predecessor model. And it's designed to be built using fewer materials, reducing the environmental impact of making and transporting it.
- eMaintenance enables remote device diagnosis and automatic consumables ordering, reducing the environmental impacts of service engineer visits.
- Eco stapling technology holds printed documents together without the use of physical staples.
- My Print Anywhere, a feature available with uniFLOW Online, guarantees that documents sent to the printer are only printed if released to do so.
- The 'Toner Save' setting halves the usual amount of toner used during printing.

STAGE 6:
THE CROSSROADS

imageRUNNER ADVANCE devices are built to withstand the fast-paced life of any busy office – with high print and capture speeds to keep work running smoothly. And they're equipped with enhanced connectivity and security features as standard, helping staff to access them safely from anywhere – especially useful now that people are working from and moving between workspaces more than before.

Even so, requirements change and technology moves quickly, which means MFPs are replaced after three to five years on average.

So what happens to a device when it reaches the end of its life? One of four things:

1. REMANUFACTURING
Our most popular A3 colour and black and white imageRUNNER ADVANCE models are remanufactured. Unlike refurbishment, where devices are cleaned, fixed and quality checked, remanufactured MFPs are completely deconstructed and rebuilt from the frame up. They aren't just good as new – they are new, and they have the Canon guarantee to prove it.

2. REFURBISHMENT
The device could be repaired, ready for another user who doesn't need a brand new machine.

3. RESALE
It could be sold to an authorised network of brokers who will in turn resell it, predominantly into developing markets.

4. DISPOSAL
The MFP may simply be scrapped, its parts broken down and recycled.

For the remainder of this book, we're going to focus on Remanufacturing.

STAGE 7:
A NEW LEASE OF LIFE

When it comes to office devices, we only select our most popular imageRUNNER ADVANCE A3 models for remanufacturing, (after they've been used as new for 3-5 years).

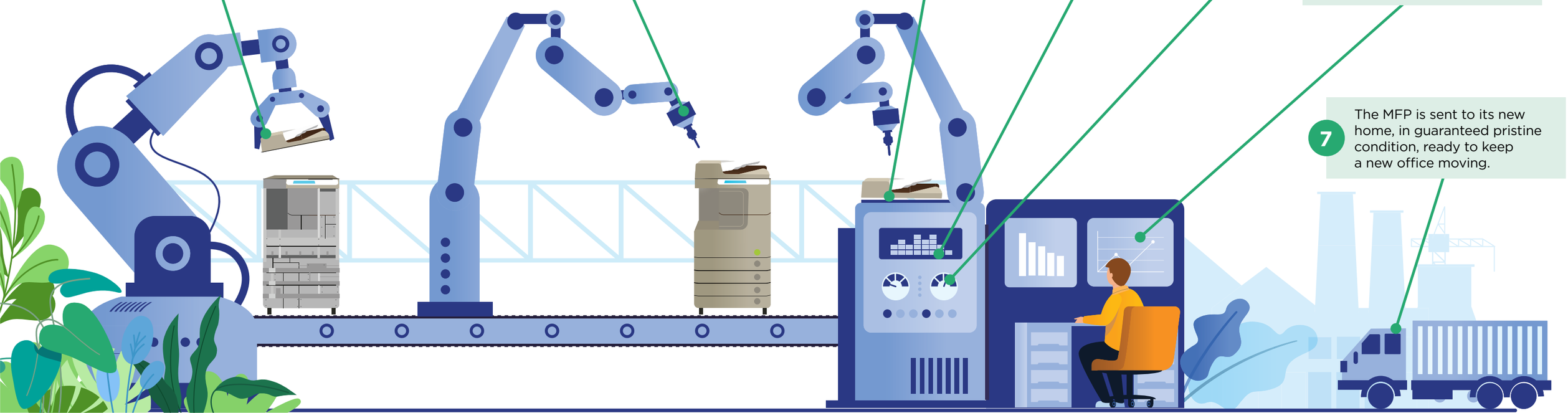
Any models that are part of the remanufacturing program are shipped responsibly to our dedicated remanufacturing facility at Giessen in Germany.

This is where the imageRUNNER ADVANCE MFP will begin its new life as an imageRUNNER ADVANCE EQ80.

STAGE 7:

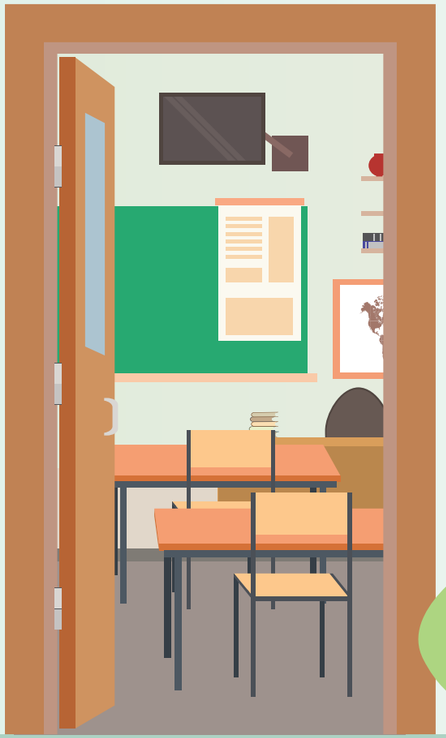
REBIRTH THROUGH REMANUFACTURING

1. First, the imageRUNNER ADVANCE MFP is stripped down to its bare frame.
2. Every part is thoroughly cleaned, checked for quality and, if necessary, repaired or replaced.
3. It is then reassembled on a factory-standard production line, using existing as well as new parts.
4. The hard drive is erased and reformatted, and the machine is upgraded with the latest firmware available for it.
5. The counters are set to zero. The machine is assigned a new serial number and given a brand-new factory warranty. A new imageRUNNER ADVANCE EQ80 is born.
6. A stringent quality control inspection takes place before the MFP leaves the factory.
7. The MFP is sent to its new home, in guaranteed pristine condition, ready to keep a new office moving.



STAGE 8:
A NEW HOME

The imageRUNNER ADVANCE EQ80 is now essentially a new MFP – with the same capabilities it had at the start of its life, as well as updated firmware and standard security, and a brand new, comprehensive warranty.

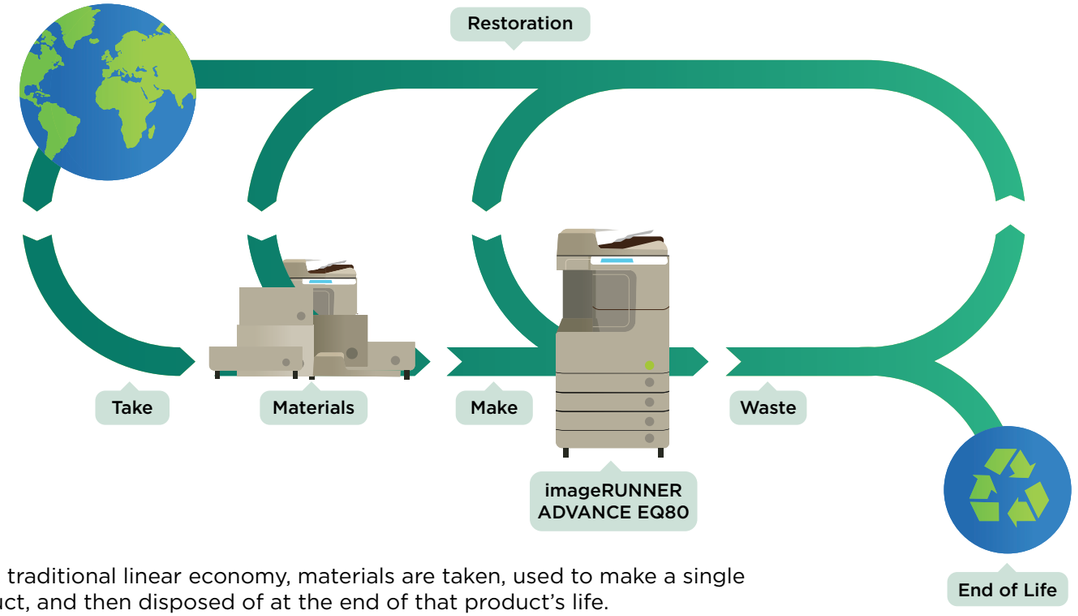


This new imageRUNNER ADVANCE EQ80 model uses at least 80% remanufactured materials – crucial for preventing valuable resources such as precious metals from being wasted.

And because of this, it also comes at a lower price point than the latest devices. This makes it perfect for environmentally-conscious businesses looking for an option which saves resources without breaking the bank.

As we choose only our best-selling imageRUNNER ADVANCE devices for the EQ80 programme, and we remanufacture rather than refurbishing them, the new EQ80 MFP is ready for the rigours of a busy office environment for at least the next three to five years – and likely many more.

imageRUNNER ADVANCE EQ80: SUPPORTING A MORE CIRCULAR ECONOMY



In the traditional linear economy, materials are taken, used to make a single product, and then disposed of at the end of that product's life.

But this model often comes at a huge cost – financially and environmentally. The UN estimates that at least $10 billion worth of precious metals are wasted every year, and much of these risk polluting rivers and oceans.

The circular economy is an alternative model for material use, which aims to gradually decouple economic activity from the consumption of finite resources. Products and materials are recovered and regenerated at the end of each service life. This keeps resources in use for as long as possible.

Our EQ80 devices contribute to the circular economy by breathing new life into used materials. This maximises the value extracted from materials, helping to cut down waste and reducing the amount of CO2 produced in the process of sourcing raw materials and producing and transporting a new device.

Canon Inc.
Canon.com

Canon Europe
canon-europe.com

English Edition

Canon Europe Ltd
3 The Square,
Stockley Park,
Uxbridge,
Middlesex
UB11 1ET
UK

To find out more:

Contact Canon

OR

Learn more about sustainability at Canon

Canon