

Mimaki & sustainability

Sustainability is essential for the printing industry:

- Government regulation on companies' carbon footprint is getting stricter.
- Customers are demanding more sustainable options.
- We need to preserve natural resources such as water.



The Mimaki focus

1. Developing innovative printing solutions that:

advance your business

- High quality prints
- Efficiency
- Low operation costs
- Fast delivery

and

minimize your environmental impact

- Investing in printing technologies, such as LED-UV for example, using less energy so lower CO₂ emission and no water.
- Decision to remove Latex printing technology from our portfolio due to high energy use and high water consumption.

2. Worldwide environmental company policy with objectives to reduce:

- energy consumption
- CO₂ emissions
- waste

Mimaki's innovative printing solutions for a sustainable future

We offer various sustainable printing solutions without compromising on quality:

- Waterless**
Printers that consume no water or are near-waterless.
- Efficiency**
Design, writing system efficiency, ink technology, all reduce power consumption.
- Productivity**
Imaging technology, integrated systems that deliver speed without sacrificing quality.
- Sustainability**
Less power, less carbon, lower ink consumption, less capital cost, lower lifetime cost.
- Recyclability**
NeoChromato is a unique technology, enabling recycling/repurposing of printed Polyester.

Value

Higher efficiency + lower acquisition cost =

lower operation cost = real financial value.

Lower environmental impact = greater value to current & future generations.

Examples of Mimaki sustainable solutions

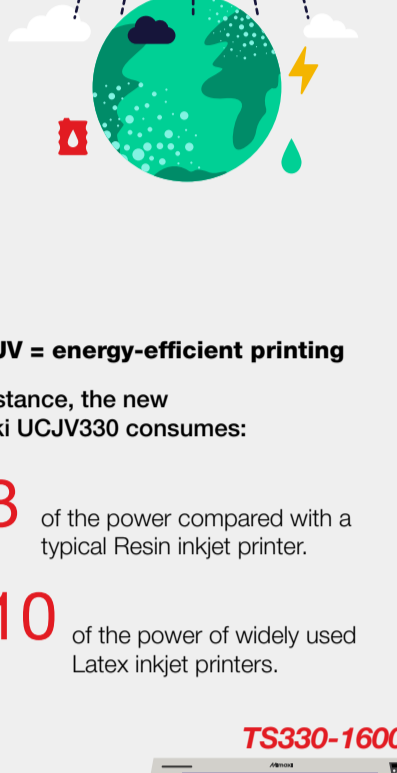
LED-UV technology pioneer

- We are a pioneer in commercialising LED-UV technology in large-format printing.
- Constant focus on energy efficiency and water conservation.

LED-UV | a more sustainable choice

In comparison with other printing technologies LED-UV printing has:

- Lower CO₂ emission
- Lower ink consumption
- Low energy consumption
- Low wastage of ink and consumables



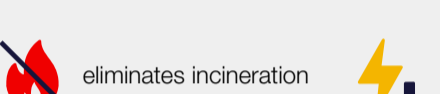
LED-UV = energy-efficient printing

For instance, the new Mimaki UCJV330 consumes:

1/3 of the power compared with a typical Resin inkjet printer.

1/10 of the power of widely used Latex inkjet printers.

UCJV330



TRAPIS

A revolutionary, more eco-friendly textile pigment transfer printing system, used in combination with Texcol® digital pigment transfer paper from Coldenhove and Mimaki's TP410 inks, provides many benefits:

Waterless process

- Helps the battle against the growing realities of textile waste.

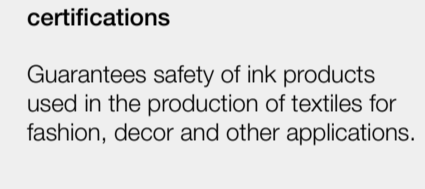
Over 50% ink savings

- Superior color and quality for textile prints on a wide range of natural fibers.

Neo-Chromato process

This world first circular solution enables immediate re-printing of used polyester textiles:

- eliminates incineration
- substantially reduces energy consumption in textile printing



Waste reduction with eco-cartridge

Eco-cartridge → Plastic cases are reused when replacing ink packs for a lower environmental impact.

Resource efficiency | On demand printing

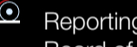
- Mimaki inkjet printers enabling on-demand printing
- Precise inkjet technology reduces ink consumption
- Less water use and waste
- Reduces user-related environmental impact

Green certifications for our ink products



GREENGUARD Gold certification

Scientifically proves our inks meet some of the world's most rigorous third-party chemical emissions standards for healthier indoor environments.



ECOPASSPORT and BLUESIGN certifications

Guarantees safety of ink products used in the production of textiles for fashion, decor and other applications.

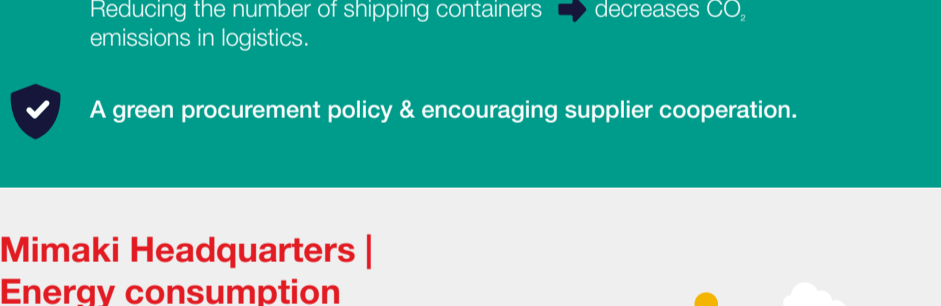
Reducing our own environmental footprint

The road to becoming more sustainable as a company takes time. With every step we take, we try to also reduce our own impact on the environment more and more.

Discover more about our corporate vision & strategy to reduce our own environmental impact.

Culture of innovation

Different division members identify and assess climate-related risks and opportunities based on the Sustainable Development Goals.



We use the findings to work on innovative printing technologies and reduce our own environmental footprint.

Sustainability in design, packaging, shipping and supply chain

Reduced machine parts & total components during the design process. Focusing on more sustainable materials and solutions.

Examples

1. Replacing plastic with paper in the manufacturing of ink cartridges.
2. With some Mimaki printers instead of replacing the entire ink cartridge, you can only replace the internal ink bag.

Improving and minimizing packaging and cushioning materials.

Examples

1. Less plastic & cardboard in inks/parts packaging.
2. Minimise packaging material for ink cartridges.
3. More efficient packaging in general.

Using reusable containers for procured goods.

Enhancing logistics efficiency.

Example

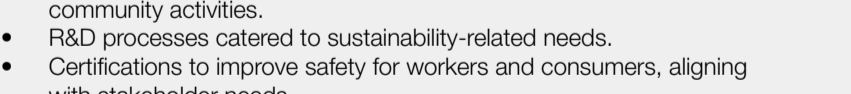
Reducing the number of shipping containers → decreases CO₂ emissions in logistics.

A green procurement policy & encouraging supplier cooperation.



Mimaki Headquarters | Energy consumption

- Mimaki headquarters introduced carbon-free power & energy-efficient facilities in 2020.
- Policy of "use only as much as necessary", saving energy and resources in all processes.



Savings in all HQ based facilities:

CO₂ emissions FY2020

3,222 tons

CO₂ emissions FY2022

0 tons

Mimaki Europe | Energy consumption and lowering CO₂ emission

Following in our headquarters steps, Mimaki Europe is also more conscious about the importance lowering our energy consumption and CO₂ emission.

Change takes time, so with every small step we take, we strive to become more sustainable, setting higher goals each time and hopefully inspiring other companies.

- Replacing old lighting with new LED lighting.
- Central heating and gas heating (warehouse) replaced with a more efficient system.
- Gas consumption ↓ around 10%.
- Heating and ventilation made more efficient (switched off when not needed).
- Printers in showroom: switched from standby to off mode.
- Company cars: are being replaced by hybrid & fully electric.

Social sustainability

Monthly reporting by executive management to efficiently address complex sustainability issues.

- Welfare committee and management department initiatives create community activities.
- R&D processes catered to sustainability-related needs.
- Certifications to improve safety for workers and consumers, aligning with stakeholder needs.

Advocating sustainability

- Mimaki Engineering strives for improved disclosure based on TCFD (Task Force on Climate-Related Financial Disclosure) recommendations.
- Promoting expansion of digital on-demand printing business, which uses inkjet technology with a lower environmental impact.

Educational outreach

Focus on resource conservation to help achieve a circular economy:

- SDG's (Sustainable Development Goals) partnership conducted by Nagano prefecture, location of our headquarters and major factories.
- Partnership supports local companies that utilize SDGs in their business strategy.
- We regularly report our activities to Nagano prefecture for inspection of our contribution to reducing our environmental impact.

Advocacy partnerships

Nigiya forest project

- We signed the "Foster parent of the forest Agreement" supporting the "Nigiya Forest Project" in SGEN certified forests
- This conservation activity:
 - benefits the community welfare and employee well-being.
 - contributes to forest and biodiversity conservation in the Jo-Sho area of the Nagano prefecture.

Sustainability commitment

Continuous focus on:

- global warming countermeasures.
- global environmental conservation.
- contributions to the community through sustainable conservation activities.

Marketing

We actively use on-line marketing tools to reduce, among others:

- use of paper
- CO₂
- waste

Ready to reduce your environmental footprint?

Contact our experts to learn how Mimaki printing solutions meet high customer demands while helping you achieve your sustainability goals. Let's improve the world together!

[MORE ON SUSTAINABLE UV-PRINTING](#)

[MORE ON THE NEO-CHROMATO PROCESS](#)

[MORE ON TRAPIS](#)

[PLAN A MEETING](#)