

Shaping the future of printing with Heat-Free Technology

Epson inkjet printers use less power, saving energy

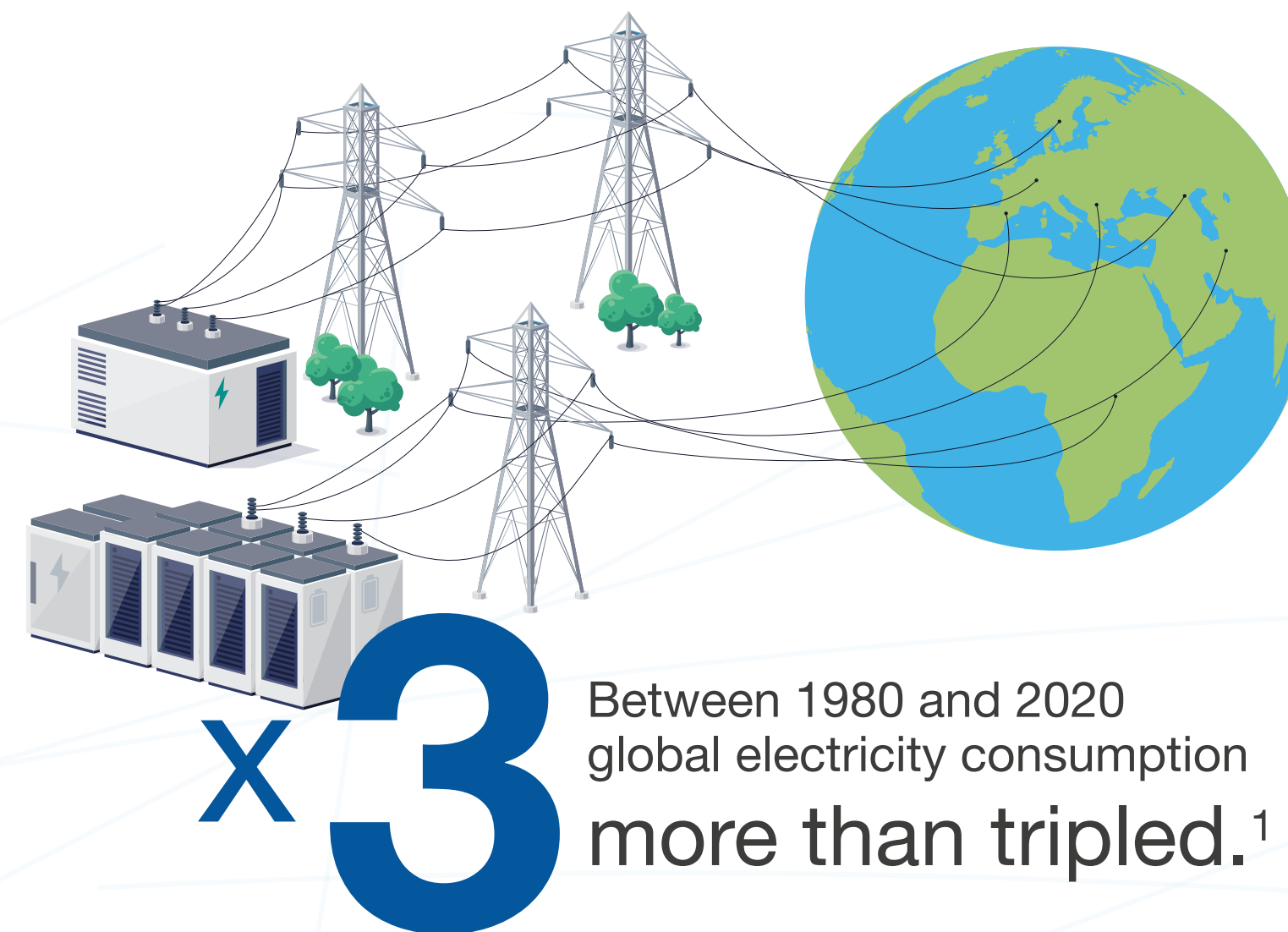


EPSON®

Rising to the global electricity challenge

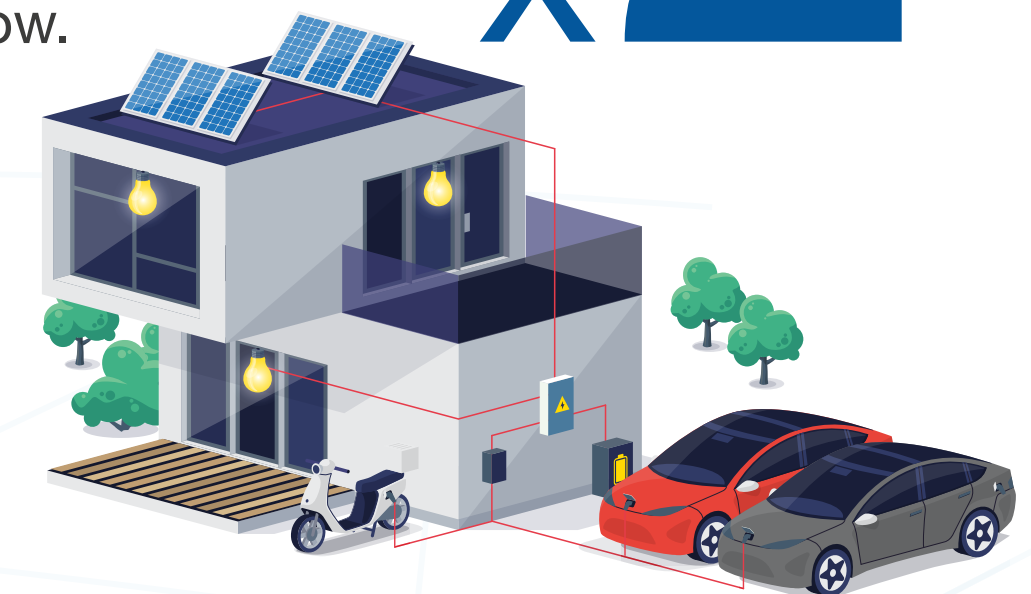
As electricity consumption accelerates around the world, it's time to think about what we can all do to reduce our use.

And switching to Heat-Free printing technology is one way to play a part.



And electricity consumption is set to
double by 2050²
as electrification and
living standards grow.

x2



How can Epson help?

The benefits of Heat-Free printing technology

Switch to Heat-Free printing technology for low power consumption. Every page you print can make a difference. And you could unlock other efficiencies too.



Reduced power consumption saves energy

Heat-Free printing technology lowers the need for power because it doesn't use heat to warm up. Epson tests show that, as inkjets have no fuse unit to heat, users can save up to 70% on energy.³



Fewer parts to replace, lower environmental impact

Laser printers have drums, transfer belts and fuses that can require periodic replacement. Inkjet printers feature none of these parts, avoiding the need for their replacement.



Save time with ready-to-go printing

No heat also means no warm-up time when the printer is switched on or woken from sleep. It starts printing immediately.



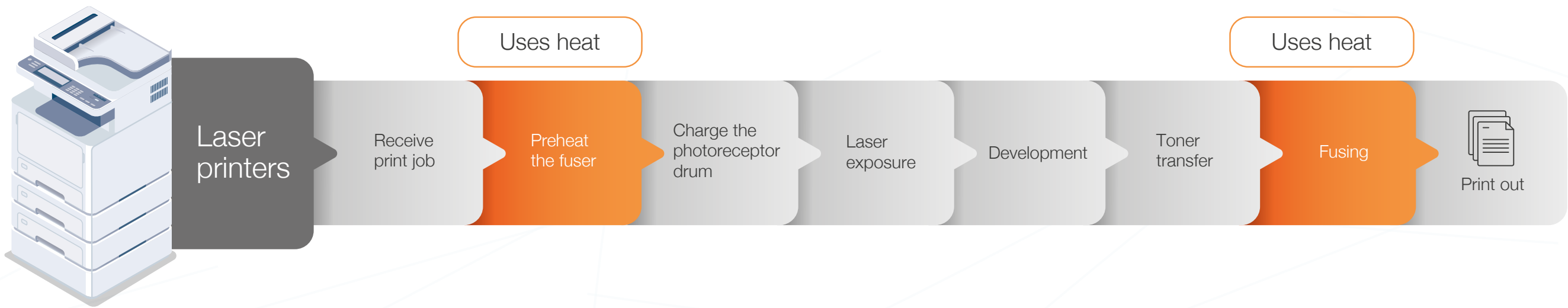
Reduced maintenance

The Heat-Free structure of Epson inkjet printers means that there aren't as many parts that can wear out, which means less maintenance intervention.

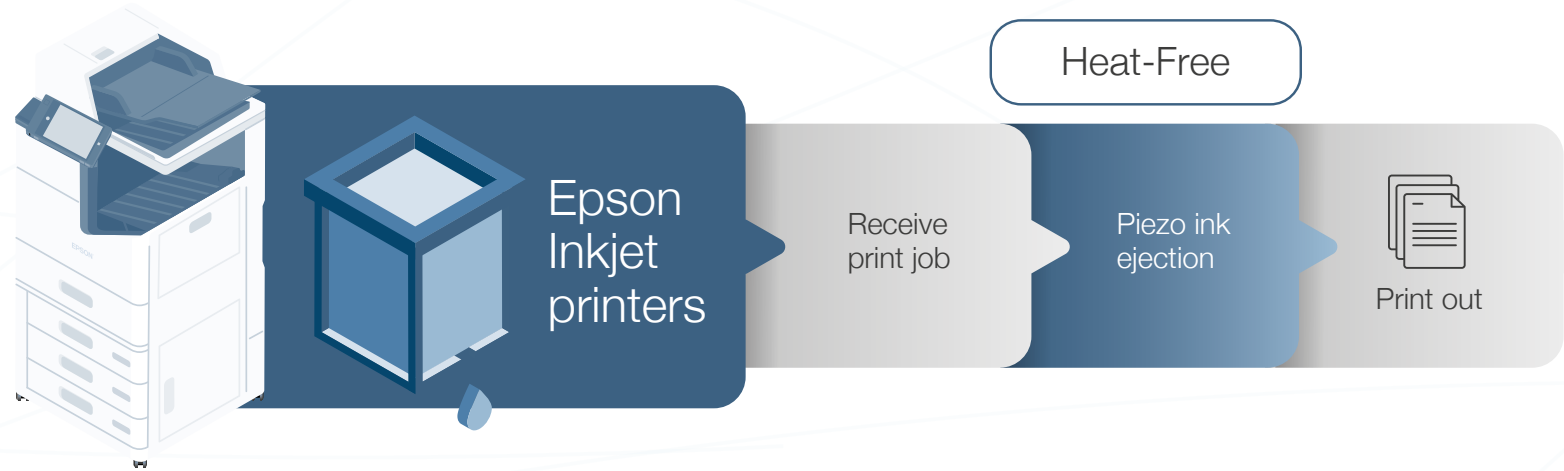
The benefits of Heat-Free printing technology

At Epson, we’re focusing on changing the way we consume electricity. Switching to Heat-Free printing technology, which uses no heat in the ink ejection process and delivers lower power consumption.⁴

Laser printing process



Inkjet printing process



¹ Total final consumption of electricity from [IEA World Energy Balances Highlights 2022](#)

² Total final consumption of electricity with NetZero scenario base from [IEA World Energy Outlook 2022 Free Dataset](#)

³ Based on Epson calculations, the Epson WorkForce Enterprise AM-C550 uses 70% less energy compared to the average energy of the 5 best-selling A4 50-55ppm colour Laser MFP machines in Europe. Based on Epson calculations, the Epson WorkForce Enterprise AM-M5500 uses 70% less energy compared to the average energy of the 5 best-selling A3 55ppm Mono Laser MFP machines in Europe. (IDC, Quarterly Hardcopy Peripherals Tracker, Q2 2024 to Q1 2025 shipments, published Q2 2025). Comparison based on the Typical Energy Consumption (TEC) as published by ENERGY STAR or the manufacturers’ official specifications. Where only TEC 2.0 data is available an equivalent TEC 3.0 value has been calculated. If no data is available the products have been removed from the comparison.

⁴ [epson.eu/heat-free](#)

For further information please contact your local Epson office or visit [epson.eu/contact-us](#)

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