

Shaping the future of printing with heat-free technology



The benefits of Heat-Free Technology



Consistent high-speed printing

Epson Heat-Free Technology requires no heat to warm up when it is switched on or awoken from sleep. This means it starts printing immediately making it up to 50% faster from ready compared to laser printers¹, which need to preheat the fuser to print. Consistent high-speed printing is ensured, even for documents with high-printing density.



Less power consumption saves energy and money

Epson Heat-Free Technology uses up to 83% less energy than laser technology² because it does not use heat to start up. As inkjets have no fuser unit to heat, this results in significantly less energy consumption.



Fewer replacement parts, lower environmental impact

Laser printers typically have more consumables and require periodic replacement of the drum, transfer belt and fuser in many cases. Epson inkjet produces up to 96% fewer used consumables than laser printers³. Thanks to Heat-Free Technology, our inkjet printers use fewer parts that need replacing than in a laser printer, and our printheads are not a consumable. This reduces the environmental burden of manufacturing and recycling the additional resources.



Less intervention increases productivity

The Heat-Free structure of Epson inkjet printers means that there are fewer parts that can fail, which reduces the amount of intervention required. As a result, Epson inkjet printers offer reliability and significantly reduced downtime.

Up to **83%**

less energy than laser technology²

Up to **50%**

faster from ready compared to laser printers¹

Up to **96%**

fewer used consumables than laser printers³

Increase productivity and reduce environmental impact without compromise

Epson inkjet printers use Heat-Free Technology to deliver advanced customer benefits.

Epson Heat-Free Technology does not require heat in the ink ejection process. Instead pressure is applied to the Piezo element, which flexes backwards and forwards firing the ink from the printhead. In contrast, laser printers need to heat the fuser to enable printing.

