EPSON®
EXCEED YOUR VISION

Shaping the future of printing with Heat-Free Technology

PRECISIONCORE
Heat-Free Technology

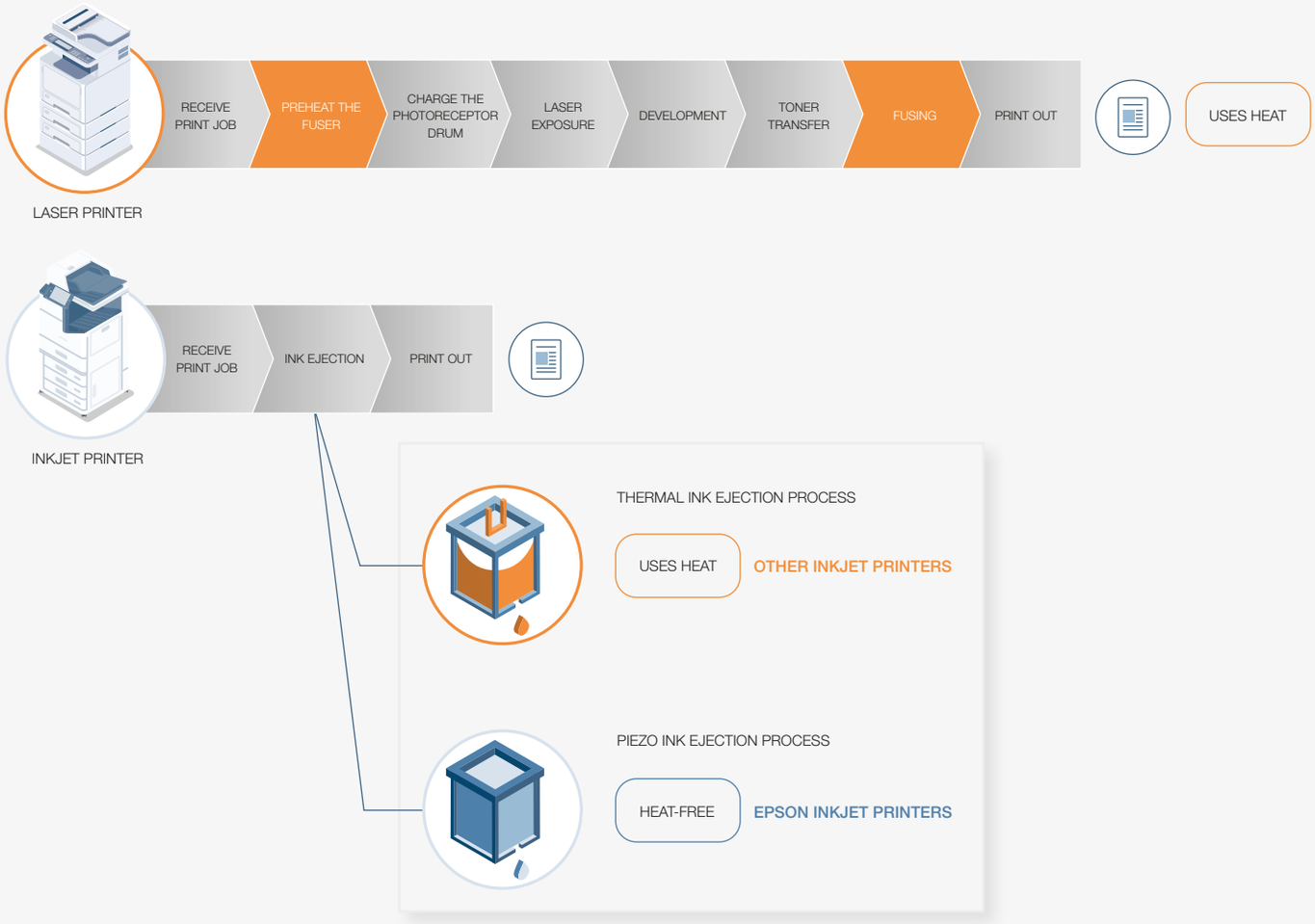
Micro Piezo Heat-Free Technology

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, other technologies work with heat. Laser printers need to heat the fuser to enable printing, for example.



The benefits of Heat-Free Technology

Save time with 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 compared to laser printers, which need to preheat the fuser to print. Also, there are no delays caused by accumulated heat in the printhead, and 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 less power than laser technology because it does not use heat to warm up. As inkjets have no fuser unit to heat, this results in significantly less energy consumption. Also, printer operating time and electricity consumption can be optimised because there are no delays caused by accumulated heat in the printhead.

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. 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. The Heat-Free ink ejection process means that there is no heat damage to the printheads, so they last longer. As a result, Epson inkjet printers offer improved reliability and significantly reduced downtime.

Committed to corporate and social responsibility

Epson is committed to developing environmentally conscious products, which means that sustainability is considered from conception to completion. We help customers recognise the environmental gains brought on by technology, whether it is redefining manufacturing through innovative robotics, saving energy with our office printing technology or revolutionising textile printing with digital solutions.

We are committed to 14 of the 17 United Nations' sustainable development goals and to the aims of the circular economy. We offer sustainable innovations because we recognise that the choices we make as organisations, individuals or a society will be essential to our shared success.

SUSTAINABLE DEVELOPMENT GOALS

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