EPSON
EXCEED YOUR VISION

Shaping the future of printing with Heat-Free Technology

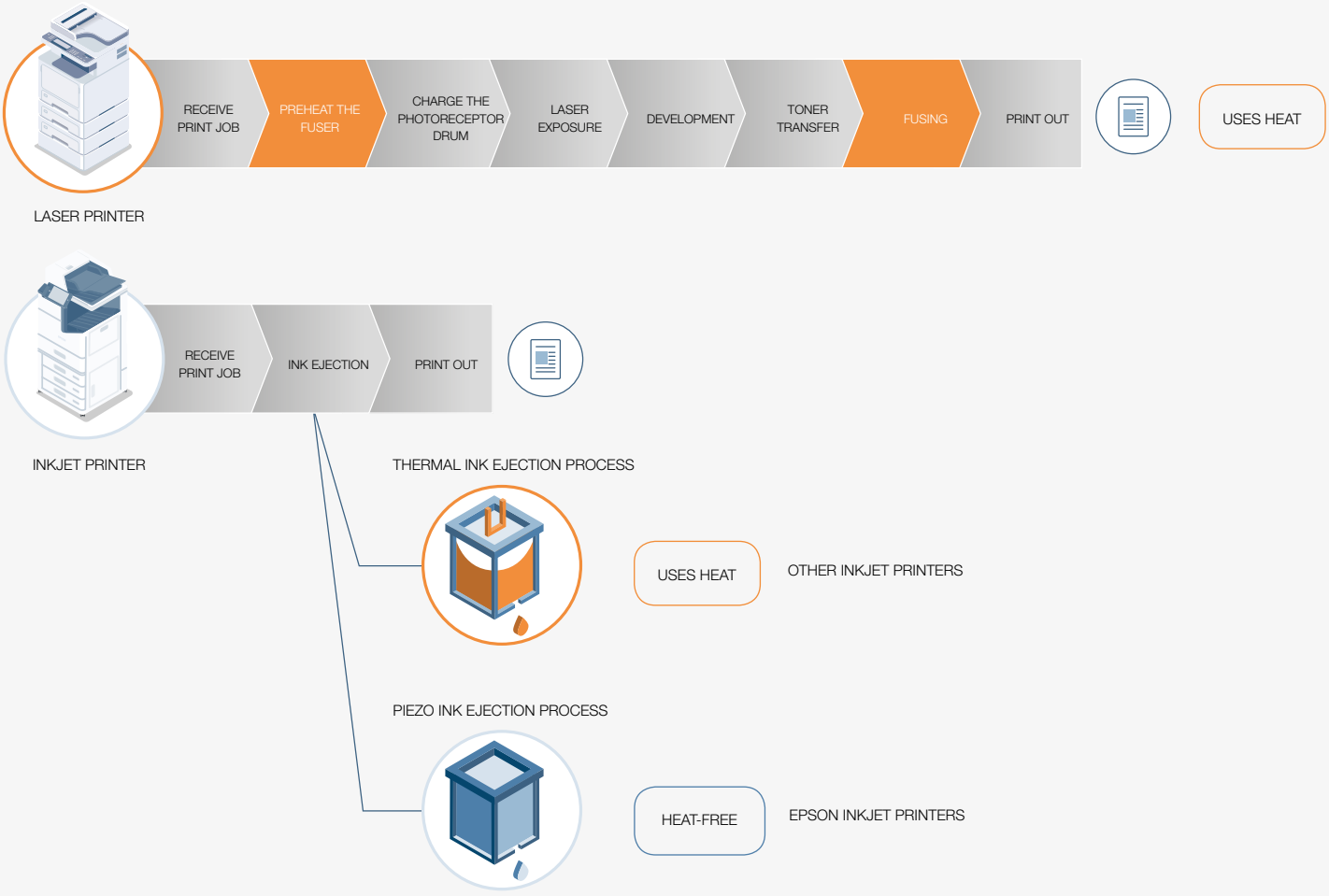
PRECISIONCORE
HEAT•FREE

Increase productivity and reduce environmental impact without compromise

Epson inkjet printers use Heat-Free Technology to deliver advanced customer benefits over laser and thermal inkjet technology.

Epson's 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 toner drum to enable printing, and thermal inkjet technology applies an electrical current to warm the ink to fire it through the printhead.



The benefits of Heat-Free Technology

Use less power and save money

Epson's 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.

Save time with consistent high-speed printing

Epson's Heat-Free Technology requires no heat to warm up when it is switched on or awoken from sleep. This means it can deliver with a fast First-page-out Time (FPOT) 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.

Fewer replacement parts, lower environmental impact

Laser printers typically have more consumables and require periodic replacements 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 consumables. 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.

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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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Dealer's Stamp

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