SUSTAINABILITY FACT SHEET

Energy efficiency

In recent years, more and more companies have been making concerted efforts to reduce their environmental impacts in the workplace. To respond to these needs and contribute to the reduction of environmental impacts in society, we are committed to continually producing products that realise both high functionality and low environmental impact; continuously working to reduce the electricity used by our products, lowering operating costs and carbon footprint, whilst contributing to conserving resources.

The development of key technologies and innovations have enabled us to cut down energy consumption and running costs during machine usage:

On-Demand Fixing (ODF)

Our ODF technology enables instant machine warm-up, so there's no waiting for prints whilst also reducing energy consumption by up to 75% compared to conventional roller fixing systems. This substantial step in energy saving helps cut running costs significantly, whilst also meeting our aim of preserving resources through effective energy conservation.

Canon's superior Quick First-Print performance is due to 3 pioneering technologies. Canon's ODF Technology ensures the printer springs into action immediately the moment you need it. Canon's High-performance controller technologies including CAPT (Canon Advanced Printing Technology), Hi-SCoA (High Smart Compression Architecture) and UFRII (Ultra-Fast Rendering) provide rapid print data processing. Our energy-saving On-Demand Toners melt at lower temperatures to maximise the performance of ODF technology and ensure crisp, sharp output quality in mono and colour.

With our Colour On-Demand Fusing for colour printers and copiers, the material used for the fixing film has been changed from a heat-resistant resin to a thin metal film.

Canon's on-demand toner-fixing technology employs a linear ceramic heater and a fixing film sleeve with high thermal conductivity and low thermal capacity. This mechanism eliminates the need for power while in standby and, in some products, realises zero power consumption by the fixing unit when in standby.

Océ Direct Press technology and the Océ HeatXchange technology

The Océ Direct Press technology and the Océ HeatXchange technology reduce Typical Energy Consumption (TEC) by up to 30% compared to other systems in its class. With the HeatXchange technology, heat used to fuse toner onto paper from printed

sheets is transferred to new sheets entering the paper path. The VarioPrint DP Line has the lowest TEC value in the mid-production market.

Dedicated network chip (PHY chip) and advanced power management options

Our devices invoke low energy/sleep mode after a pre-agreed period of inactivity and the PHY chip allows the device to drop into deep sleep mode even when connected to a network. This maximises the device uptime and operation and staff productivity will not be affected as there is little intervention needed to resume the devices functionality.

Independent recognition

We have received independent recognition for our approach to energy efficiency and the vast majority of our in-scope products qualify for Energy Star®, this means their TEC is among the most efficient in their class.

We have also received many "Outstanding Achievement" awards for the energy efficiency of our devices from Buyers Laboratory LLC (BLI), please click here to view these awards.

Many Canon products are also labelled under the voluntary Blue Angel scheme (Der Blaue Engel) that operates in Germany. The Blue Angel (Der Blauer Engel) is a voluntary German certification for products and services that have reduced environmental impact.