

SUSTAINABILITY FACTSHEET

Noise and Ozone

Noise emission reductions

During the production phase we consider our products' noise characteristics, which are measured and declared according to ISO 9296 and ISO 7779 and incorporate sound reducing features; such as the use of sound dampening outer plastics and other internal measures to keep mechanical noise to a minimum.

Ozone emissions reduction

Any Canon product that produces ozone is equipped with special filters to reduce ozone emissions to a level below the acceptable standards. The filters are machine-specific and will be changed periodically. Recent technology such as direct charging and catalytic filters alleviates most of the concern in this area for our customers.

Ozone is also produced artificially in some photocopiers and laser printers by the high voltage (approx. 6 kV) electrical discharge employed in the electrostatic process. Ozone is regarded as an air pollutant and a concentration below 0.2 mg/m³ (0.1 ppm) has been set as an acceptable level for the workplace in most of the European countries. Below this level, ozone should pose no health problems, even with prolonged exposure (i.e. the normal working week).

Higher-grade catalytic filters are used in our mid-to-high volume products rather than the conventional charcoal filters. Whilst this type still requires routine maintenance, it does provide the security of a limitless service life. Direct charging does not require air space in the charging process, which means that significantly lower voltages can be used (1-2 kV) and far lower levels of ozone are produced to negligible amounts.