

Technologies Explained

FINE

Canon's patented FINE (Full-photolithography Inkjet Nozzle Engineering) semi-conductor manufacturing technique is used to create print heads with exceptionally high nozzle count and density. This enables Canon printers to achieve market-leading print speeds and photo quality for photo and document printing.

The FINE print heads of the PIXMA iX7000 achieve virtually grain free photo lab quality by delivering millions of microscopic, 2 picolitre droplets each second with extremely high consistency and accuracy.

PgR Technology

Canon's unique Pigment Reaction (PgR) technology revolutionises inkjet printing. Now you can print presentation-quality text, graphics and photos onto any plain paper (from 64gsm) and be confident that the print will not curl, bleed, scuff or wash off with moisture. PgR Clear Ink is coated onto the sheet of plain paper as it passes towards the print head by a roller assembly. Then, when the Lucia pigment inks are placed on the paper, they land on the clear ink. Instead of soaking into the paper, which could cause 'show-through' and bleeding, the Lucia ink reacts with the PgR Clear Ink, bonding it in place. This leads to a brighter, sharper, more saturated and more robust print.

Lucia Inks

Canon Lucia inks are developed for improved colour density, sharp text and exceptional levels of image stability and durability - and thanks to PIXMA iX7000's PgR technology, these can now be used to print photos & presentation-quality graphics on plain paper too.

Canon Media Range

Canon offers a range of genuine photo papers, each offering exceptional quality at an accessible price point. Alongside extensive Glossy, Semi-gloss and Matte options, users can choose from special High Resolution Paper, Photo Stickers and Fine Art media - in a variety of sizes between 10x15cm (4x6") and A3+.

Auto Photo Fix II

Auto Photo Fix II analyses and corrects digital photos using multi-zone correction, ensuring optimum results for printing, even with under-exposed photos. For portraits,

subjects' faces are detected, and adjustments applied to skin tones and brightness. With scenery photos, emphasis is placed on optimising contrast and saturation. When a photograph contains both people and scenery, the technology balances the adjustments for both areas. With Canon's Easy-Photo Print EX software, Auto Photo Fix II can be combined with automatic Red-Eye Correction.

ISO/IEC 24734

The standard, ISO/IEC 24734 govern quoted print speeds from digital printing products. Previously, vendors have used a variety of methodologies to quote print speeds. Under the new standards, participating vendors will adopt a common measurement system to quote print speed performance. This makes it easier for users to choose products according to their printing needs. In future, Canon plans to quote print and copy speeds based on the ISO standard.