

## Technologies Explained

### FINE Cartridges and Single Inks

Canon's patented FINE (Full-photolithography Inkjet Nozzle Engineering) semi-conductor manufacturing technique lies at the heart of its printer technology, creating print heads with exceptionally high nozzle count & high density and producing tiny ink droplets as small as 1pl (picolitre). This enables Canon PIXMA Inkjet printers to achieve fast print speeds and virtually grain-free, photolab quality photo prints even in default Standard mode.

Depending on the model, PIXMA printers use either FINE Cartridge technology or Canon's Single Ink System. For those seeking maximum convenience, FINE Cartridges combine inks and print head in a single handy unit, replaceable in seconds. The FINE Cartridge system also offers exceptionally fast printing speeds.

The Single Ink system separates component colours into individual ink tanks; this allows users to individually replace colours as they run out, minimising waste.

### 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+.

### ChromaLife100\*

With Canon's ChromaLife100\* system, you can produce photos that stay vibrant, colourful and fresh-looking for over 300 years. ChromaLife100\* system achieves beautiful, long-lasting prints through a combination of Canon's FINE technology, genuine Canon photo papers and dye-based inks. When stored in an album, over 300-year life is achieved with PP-201, over 200-year life with PT-101 & SG-201, and over-100 year life with, PR-201 & GP-501. Additionally, 30-year light fastness and 20-year gas fastness is achieved with PT-101, PR-201 and PP-201. For further information please see: <http://www.canon-europe.com/chromalife100>

### 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.

### Auto Scan Mode

Auto Scan Mode allows users to create high-quality scans, with optimised settings, using a simple one-click process. Accessed via the device itself, or via ScanGear or MP Navigator EX software, Auto Scan Mode automatically detects the type of source material – from text documents to multiple photo prints to film where applicable – then optimises settings for resolution, cropping and image processing before scanning. The scan is then automatically saved in either JPEG file format for images or as a PDF for documents, newspapers and magazines.

### ISO/IEC 24734 & 24735

The standards, ISO/IEC 2474 and 24735 govern quoted print & copy speeds from digital printing products. Previously, vendors have used a variety of methodologies to quote print and copy speeds. Under the new standards, participating vendors will adopt a common measurement system to quote print and copy speed performance. This makes it easier for users to choose products according to their printing and copying needs. In future, Canon plans to quote print and copy speeds based on the ISO standards.