

Technologies Explained – PIXMA MX870, PIXMA MX350 and PIXMA MX340

EMBARGO: 1st February, 2010, 06:00 CET

Full-photolithography Inkjet Nozzle Engineering (FINE)

FINE is Canon's unique print head manufacturing process that uses wafer fabrication and nano-technology to manufacture highly accurate print heads. Canon print heads are manufactured using fully photolithographic processes with semiconductor exposure systems. All sections use integral formation to ensure that the nozzle dimensions and nozzle and heater positions are aligned with extremely high precision. The ink ejection openings are also formed using photolithography to ensure accurate profiles and dimensions. This enables microscopic ink droplets to be ejected with prescribed volume and accurate placement.

Auto Document Fix

Auto Document Fix delivers beautiful and easy-to-view scan results by automatic advanced image analysis and area-by-area data correction. The technology achieves highly accurate separation between text and images by employing analysis of colour composition and rate of change of intensity; it then applies corrections on an area-by-area basis. These corrections include text character emphasis and background removal, and dot smoothing and contrast/tone for images.

Wi-Fi Connectivity

All models come with Wi-Fi connectivity, enabling users to print, scan and fax straight from their computer¹ without a connecting cable. The PIXMA MX870 and PIXMA MX350 are also network ready as they feature an Ethernet connection which allows users to share content over a local network.

Quick Start

Quick Start functionality means there is no need to wait for the printer to 'warm up'. Operation is almost instantaneous from the moment the power is switched on, ensuring that the HOME screen is displayed in just seconds and users can perform actions almost straight away.

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

¹ Fax from Windows PC only

Navigator EX software, Auto Scan Mode automatically detects the type of source material – from text documents to multiple photo prints – 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.

Scan to PDF Functionality

Scanning to PDF means that paper documents can be quickly converted into standard electronic documents. Using character recognition technology, the documents can be easily searched by keywords and the new compact PDF function creates files that are up to 90% smaller than previous versions.

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 landscape 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-PhotoPrint EX software, Auto Photo Fix II can be combined with automatic Red-Eye Correction.

ChromaLife100*

ChromaLife 100* is a system which combines Canon's FINE technology with Canon genuine photo paper and genuine Canon inks to provide long-lasting, beautiful photos.

Easy-PhotoPrint EX

Easy-PhotoPrint EX is all-round software for versatile Photo, Calendar and Album printing. It combines two core pieces of PIXMA software; Easy-LayoutPrint, and Easy-PhotoPrint under one interface.

Easy-WebPrint EX

Easy-WebPrint EX is an application that makes it simple to select key sections of a web page before 'clipping' them to a single document for printing. Smart features include the ability to make automatic or manual content selections and an Auto-Arrange option that automatically resizes clip collections so they fit neatly onto a single page.

MP Navigator EX

MP Navigator EX is comprehensive input software for managing and editing scanned images and documents including user-friendly PDF editing features and a selection of image correction and enhancement options.

Built-In Auto Duplexing (PIXMA MX870 only)

The PIXMA MX870 comes with Built-In Auto Duplexing which enables automatic double-sided printing, scanning and copying whilst producing professional looking documents with high quality text and graphics on both sides of the page.