Minimizing Hassle and Cost with Ink Packs

Epson has developed new ink packs for business use. By reducing replacement frequency, operating efficiency and cost performance are increased.

The volume of liquid ink required to print the same image is less than half that of powdered ink. This translates into smaller and fewer cartridges. Moreover, Epson has designed a new ink pack suited to heavy duty business use, enabling a greater quantity of ink to be equipped while preserving quality. The replacement frequency of consumables is dramatically reduced, leading to big savings in maintenance costs. Waste is also minimized.

Less Maintenance and Less Downtime

Compared to laser printers, inkjets have a simpler mechanism, have fewer periodic replacement parts, and so require less time and effort to maintain*.

Inkjet printers have an extremely simple structure for ejecting ink from the printhead onto the paper, with only three parts that require periodic replacement: the ink pack, maintenance box, and paper pick-up rollers. These can be replaced quickly, so printer maintenance time and hassle is reduced, and office downtime minimized.

* The calculation is based on the assumption of large ink pack with printing page at 84,000 pages (C,M,Y) and 86,000 pages (K) compared with relevant Epson laser models. The actual number of toner cartridges used to print the same number of pages may vary according to different laser printing models.
Epson has developed DURABrite Pro ink as the optimum ink for its high-speed business inkjet printers. Compared to conventional DURABrite Ultra ink, the pigment concentration has been increased to give brighter coloring. This allows graphs and images to be clearly expressed even on ordinary plain paper. Red and blue colors are especially vivid, satisfying the high image quality printing needs of offices.

A drawback of inkjet-printed paper is that curling may occur over time. This is caused by contraction of hydrogen bonds in paper fibers when the water content of ink in the fibers evaporates. To prevent this, a curl inhibitor has been added to the new DURABrite Pro ink. This mitigates curling by preventing excessive contraction of fibers when the water content evaporates.

Business Inkjet

Rapid First Page Printing

Business inkjets require no warm-up time because they use no heat in printing, so rapid printing is possible from the first sheet.

Epson’s piezo technology uses pressure to eject the ink. There is no need to preheat the fixing unit as in the case of laser printers, so warm-up time can be eliminated. As a result, operation can be resumed from standby much quicker, and rapid printing can be performed from the first sheet. Inkjets display especially high performance in offices that conduct frequent small volume printing jobs.

The head has been widened from the conventional 1 inch to 1.33 inches and the number of nozzles per row increased to 400 for higher density. High-speed, high-definition printing is made possible through expanding the printable area in a single pass in both monochrome and color printing.

Through adopting a high performance motor to drive the carriage that moves the printhead above the paper, the carriage operation performance has been improved. Printing speed has thus been increased from 300 to 360 characters per second.

Enhanced Pigment Concentration and Brighter Coloring

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Less Paper Curl

A drawback of inkjet-printed paper is that curling may occur over time. This is caused by contraction of hydrogen bonds in paper fibers when the water content of ink in the fibers evaporates. To prevent this, a curl inhibitor has been added to the new DURABrite Pro ink. This mitigates curling by preventing excessive contraction of fibers when the water content evaporates.
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**Epson WorkForce Pro WF-C869R**

**PRINTER TYPE**
- **Printing Technology:** InkJet
- **Ink Cartridge:** Individual 4 colors
- **Nozzle Configuration:** 400 x 2 nozzles, each color (Black, Cyan, Magenta, Yellow)

**PRINT FUNCTION**
- **Printing Method:** On-demand ink jet (piezoelectric)
- **Printing Speed:** 35/35ppm, 24/24ipm (ISO)
- **Maximum Resolution:** 4800 x 1200 dpi (with Variable-Droplet Technology)
- **Default Black Resolution:** 600 x 600 dpi

**PRINT FEATURES**
- **Automatic 2-sided printing:** Standard
- **Collate:** Yes
- **Emulation:** PCL5c/PCL6/Compatible with PostScript Level 3/PDF (ver1.7)
- **Memory:** 3GB RAM

**CONTROL PANEL**
- **LCD Screen (inch and cm):** 5.0 inch / 12.7cm TFT Color LCD

**COPY FUNCTION**
- **Copy Quality:** Color / Black-and-White; Text / Text & Image / text & Image (Best) / Photo
- **Maximum Copy Resolution:** 600 x 1200dpi
- **Automatic 2-sided Copy:** Standard
- **Reduction/Enlargement:** 25-400%, Auto Fit Function
- **Maximum Copy Size:** A3

**SCAN FUNCTION**
- **Scanner Type:** Flatbed color image scanner
- **Scanning Speed:** 25 ppm simplex / 45 ppm (duplex)
- **Maximum Copy Resolution:** 600 x 1200dpi
- **Automatic 2-sided Copy:** Standard
- **Reduction/Enlargement:** 25-400%, Auto Fit Function
- **Maximum Copy Size:** A3

**FACTOR**
- **FAX Resolution:** Black & White
- **FAX Resolution:** Ultra Fine: 16 pels/mm x 15.4 lines/mm
- **Speed dialing numbers:** Up to 33.6 kbps
- **Group Dial:** Up to 1999 groups

**PAPER HANDLING**
- **Number of Paper Trays:** 3 (Front 2, Rear 1)
- **Paper capacity:**
  - STD Cassette 1: 250 sheets-A4/LTR/A3 Plain paper (80g/m²)
  - STD Cassette 2: 500 sheets-A4/LTR/A3 Plain paper (80g/m²)
  - Option Cassette 1-2: 500 sheets-A4/LTR/A3 Plain paper (80g/m²)
  - Rear slot: 85 sheets Plain paper (80g/m²)
- **Paper Weight:** Cassets: 64-200g/m², Rear Slot: 64-296g/m²
- **Maximum input capacity:** 1835 sheets
- **Output capacity:** A4 Plain paper 250 sheets (Text / Default)

**NOISE LEVEL**
- **PC Printing / Plain Paper default (LwAd):** 6.6B (Color)
- **LpAm:** 49dB (Color)

**ELECTRICAL SPECIFICATIONS**
- **Rated Voltage:** 100-240V Universal
- **Rated Frequency:** 50-60Hz
- **Typical Electricity Consumption (TEC) Number:** 0.3kWh
- **Power Consumption:**
  - Standalone Copying (AC220-240V): Approx 40W
  - Sleep Mode: Approx 1.7W

**PRINTER SOFTWARE**
- **Operating System Compatibility:**
  - Mac: Mac OS X 10.6.8, 10.7.x, 10.8.x, 10.9.x, 10.10.x, 10.11.x

**SECURITY FUNCTION**
- **Limit Access Function:** PIN No. Certification, LDAP Address Book, IP Address Filtering, Panel Admin Mode

**COLLATIONS & PRINTABLE (out of packaging)**
- **Printer Dimensions (WxDxH):** 787 x 758 x 621 mm / 31.0 x 29.8 x 24.4 inch
- **Printer Weight:** 111.5kg / 245.8lb

**MOBILE AND REMOTE PRINTING**
- **EPSON CONNECT:** Email Print, Epson iPrint Mobile App, Scan to Cloud, Remote Print Driver

**ENERGY STAR**
- **Energy Star certified:** Yes
- **RoHS compliant:** Yes

**PRINT DRIVER**
- **USB:** H4 Speed: USB Compatible with the USB2.0 Specification
- **IEEE 802.11b/g/h**

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**Optional Authentication Capability**

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