

Comparative Evaluation of Printer Consumables Waste**HP Officejet Pro 8100/8600 vs. Color Laser Printers** MAY 2011

Test Objective

Buyers Laboratory Inc. (BLI), Hackensack, NJ, was commissioned by HP Singapore to analyze the environmental impact that occurs when printing on HP Officejet Pro 8100/8600 devices as compared to comparable color laser devices.

Methodology

BLI obtained color laser and HP Officejet Pro devices to compare the amount of waste created by printing 15,000 pages. For each device, BLI obtained the weight of all consumables (which in this case was the empty toner and ink cartridges) and consumable packaging after printing 15,000 impressions. The end-of-life weight of the cartridges and consumable packaging per device was then multiplied by the number of cartridges required to produce 15,000 impressions. All testing was based on the highest capacity cartridge available for each device and running each cartridge to end of life by using BLI's 40% CMYK test target.

Performance Overview

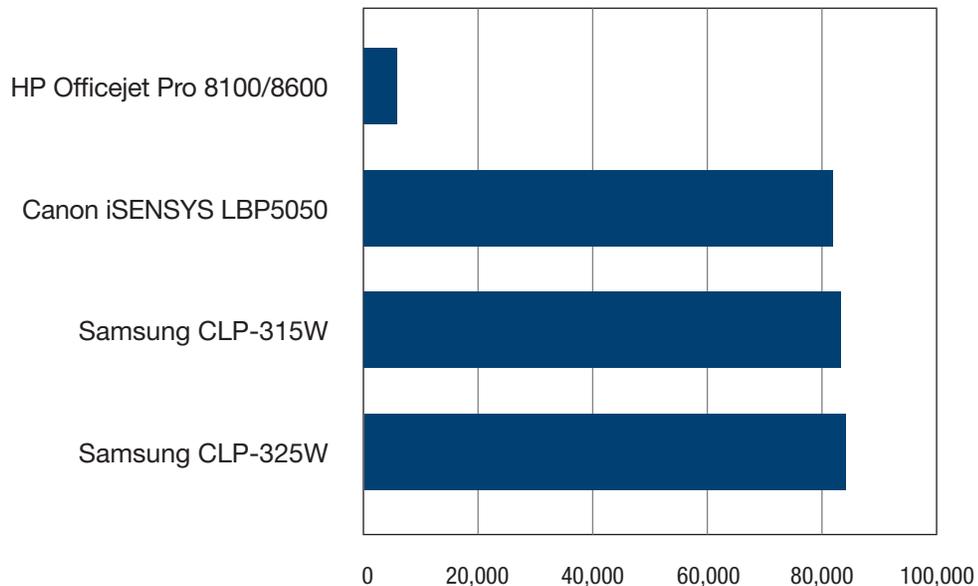
BLI's tests demonstrated that the total waste generated by the HP Officejet Pro 8100/8600 in terms of used cartridges and cartridge consumable packaging was dramatically lower than the waste produced by the tested laser devices printing the same volume of pages. In fact, the HP Officejet Pro 8100/8600 has at least 93% less waste than competitive single-function color laser devices and 91% less waste than competitive all-in-one color laser devices.

Single-Function Color Laser Printer Results

After running 15,000 impressions, the HP Officejet Pro 8100/8600 accumulated about 93% less waste (total weight of the empty cartridges plus consumable packaging) than the competitive average of single-function color laser devices evaluated in this test.

Brand	Model	Total Weight of Waste (Grams)	Percent of Waste Reduction Using HP
HP	Officejet Pro 8100/8600	5,750	—
Canon	i-SENSYS LBP5050	81,811	93%
Samsung	CLP-315W	83,200	93%
Samsung	CLP-325W	84,024	93%

Waste in Grams

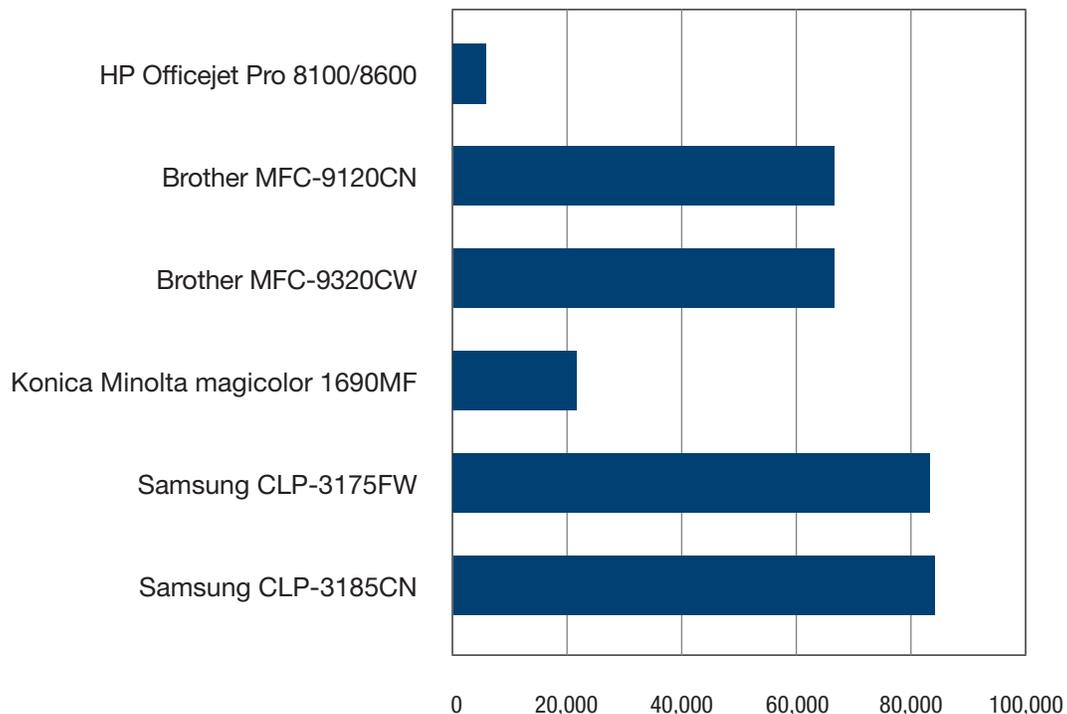


All-in-One (AIO) Color Laser Printer Results

After running 15,000 impressions, the HP Officejet Pro 8100/8600 accumulated an average of about 91% less waste (total weight of the empty cartridges plus consumable packaging) than the competitive average of all-in-one color laser devices evaluated in this test.

Brand	Model	Total Weight of Waste (Grams)	Percent of Waste Reduction Using HP
HP	Officejet Pro 8100/8600	5,750	—
Brother	MFC-9120CN	66,452	91%
Brother	MFC-9320CW	66,452	91%
Konica Minolta	magicolor 1690MF	21,603	73%
Samsung	CLP-3175FW	83,200	93%
Samsung	CLP-3185CN	84,024	93%

Waste in Grams



About Buyers Laboratory

Since 1961, Buyers Laboratory Inc. (BLI) has been the leading global independent office-equipment test lab and business consumer advocate. In addition to publishing the industry's most comprehensive and accurate test reports on office document imaging devices, each representing months of exhaustive hands-on testing in BLI's US and UK laboratories, the company has been the leading source for extensive runnability testing on imaging media and consumables, as well as extensive specifications/pricing databases on MFPs, printers, scanners and fax machines. BLI also has a long-standing reputation for being the industry's most trustworthy and complete source for quality testing services and global competitive intelligence.

In addition to testing over 200 office machines and related consumables annually for its subscribers, BLI provides consulting services to buyers and a range of private testing services that include document imaging device beta and pre-launch testing, performance certification testing, consumables testing (including toner, ink and photoconductors), solutions evaluations, and imaging media runnability testing.

For more information on BLI, call (201) 488-0404, visit www.buyerslab.com, or e-mail info@buyerslab.com.

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