

Comparative Evaluation of Printer Consumables Waste

AUGUST 2014

HP Officejet Pro 6230 vs. Laser MFPs



Test Objective

Buyers Laboratory LLC (BLI), Hackensack, NJ, was commissioned by Hewlett-Packard Company to conduct a test comparing the total supplies waste generated by the Officejet Pro 6230 inkjet device versus the following MFPs, all of which use laser technology: the Dell C1660w and the Samsung SL-C410W, after printing 15,000 impressions.

Test Methodology

For each device, BLI weighed all consumables (which in this case consisted of only ink and toner cartridges) and consumables packaging after printing 15,000 impressions. The end-of-life weight of the cartridges and consumables 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 6230, in terms of used cartridges and cartridge packaging materials, was dramatically lower than the supplies waste produced by the tested laser MFPs. In fact, the total overall weight of the HP Officejet Pro 6230's empty cartridges and packaging was between 66.1% and 92.3% less than that of the laser units.

Total Consumables Waste Generated at 15,000 Impressions

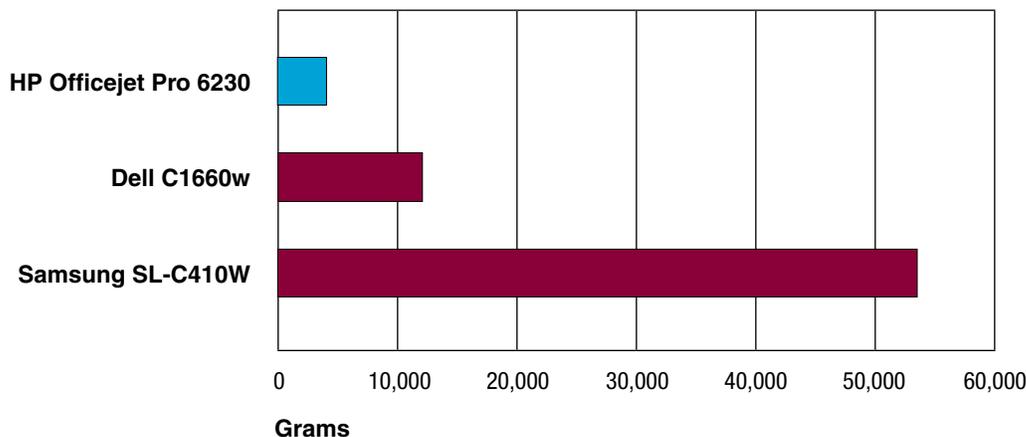
(Based on 40% page coverage)

The HP Officejet Pro 6230's total weight of all cartridges and cartridge packaging required to print 15,000 impressions was 4,098.1 grams. Total weights of the cartridge and cartridge packaging for the competitive devices were 12,088.8g for the Dell C1660w and 53,488.7g for the Samsung SL-C410W.

	Total Weight (g)	Percent Less Waste Weight With HP
HP Officejet Pro 6230	4,098.1	-
Dell C1660w	12,088.8	66.1%
Samsung SL-C410W	53,488.7	92.3%

Weights include depleted cartridges and consumables packaging accumulated after 15,000 impressions.

Total Consumables Waste



About Buyers Laboratory

Since 1961, Buyers Laboratory LLC (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 email info@buyerslab.com.