Cost-per-Print: *Korean Won* – HP Officejet Pro K550 color inkjet *vs.* Konica-Minolta magicolor 2400W

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A Look at PhotoGen's ColorLab
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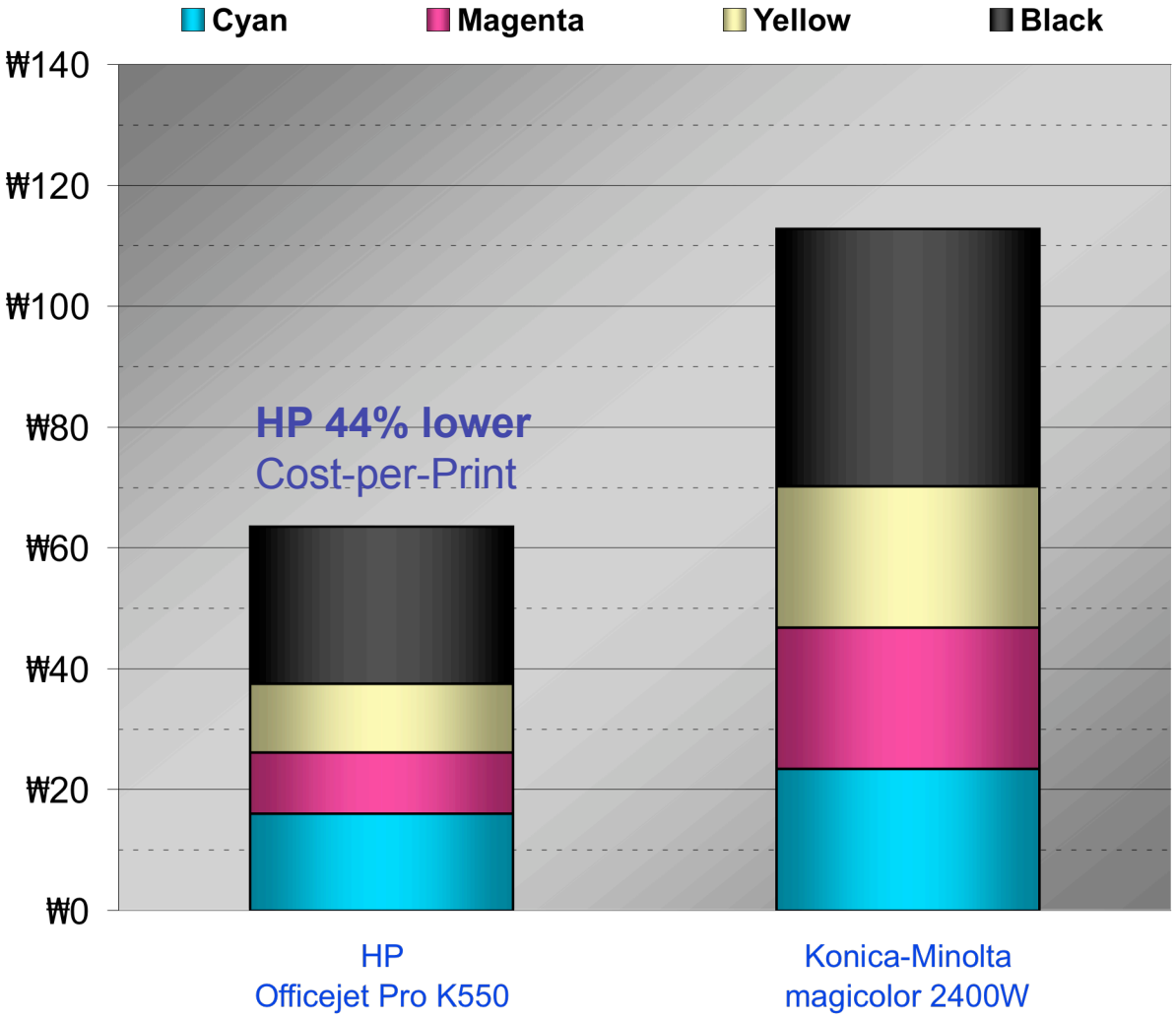
MIXED TEXT & GRAPHICS



Cost-per-Print includes Ink/Toner costs only

E-commerce pricing (incl. 10% VAT) per www.enuri.com, as of December 2005
All testing performed using *default* driver settings

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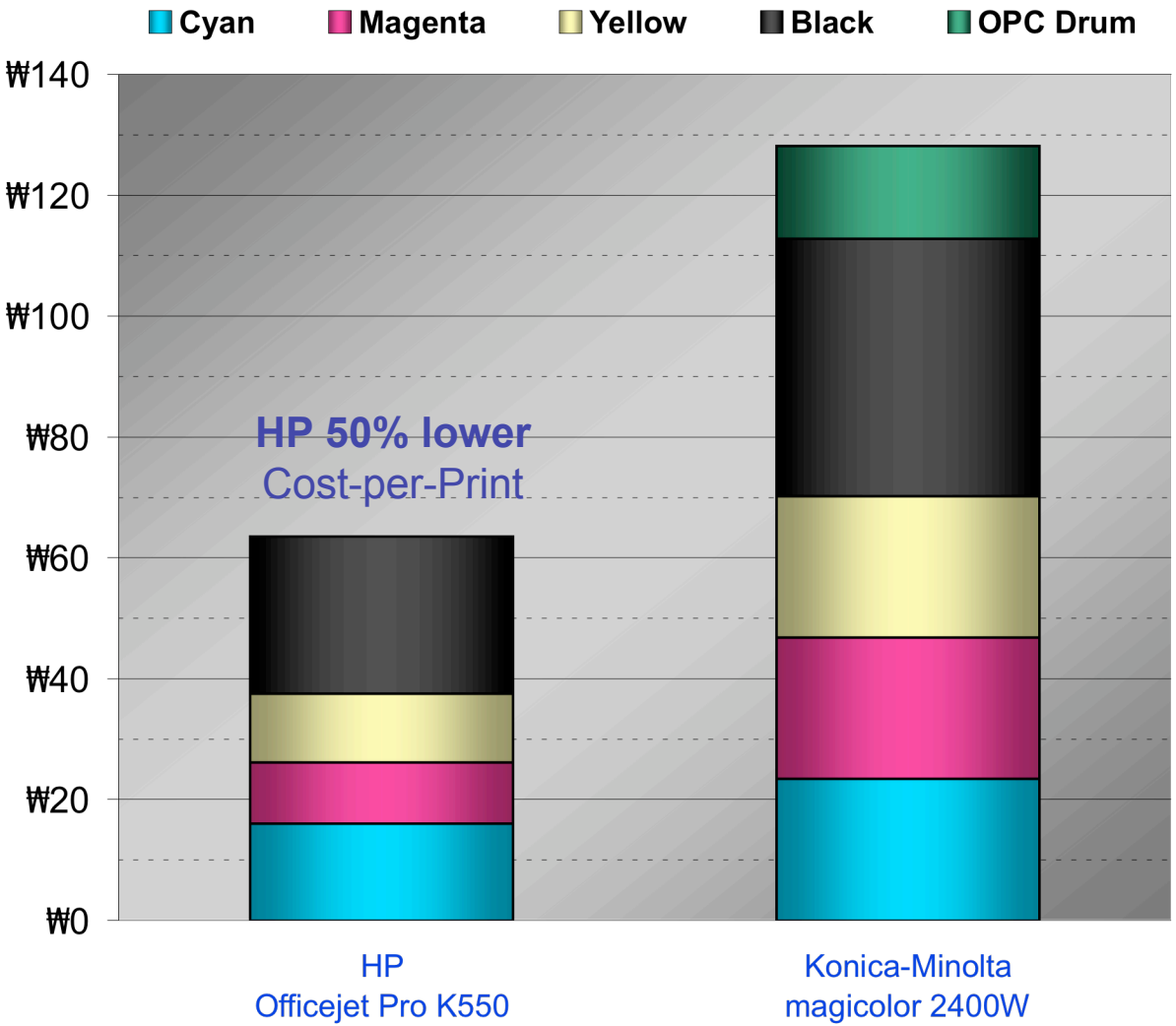

Cost-per-Print includes Ink/Toner and OPC Drum Cartridge costs

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Cost-per-Print Methodology: HP Officejet Pro K550 color inkjet *vs.* Konica-Minolta magicolor 2400W

- ***Determine Ink Cartridge Yields – the average number of prints-per-cartridge for each cartridge***
  - Test file from the *SpencerLab* Digital Color Laboratory Printer Test Suite
    - Mixed Text & Graphics, *Color Newsletter.* Printed semi-continuously, with stops for paper replenishment, overnight, etc.
  - Cartridges judged to be at "end-of-life" when an out of ink signal is displayed on printer control panel/driver
  - Print Modes: default on plain paper
  - Test high-capacity OEM inks/toner, where available
    - HP #88 Large Black, Cyan, Magenta and Yellow ink cartridges
    - Konica-Minolta magicolor 2400W High-Capacity Black and Cyan, Magenta and Yellow toner cartridges
  - Testing is repeated over multiple cartridges to assure consistency
- ***Calculate ink component cost-per-print***
  - Divide each cartridge cost by the corresponding cartridge yield (average prints-per-cartridge)
- ***Calculate other user-replaceable component pro-rata costs***
  - Konica-Minolta magicolor 2400W contains user-replaceable OPC Drum Cartridge; therefore include drum cost in total Cost-per-Print
  - The HP Officejet Pro K550 printhead is designed for the life of the printer; therefore it is not included in the total Cost-per-Print, though user-replaceable.
- ***Ink/Toner and OPC Drum Cartridge Prices***

Component Costs		CYAN	MAGENTA	YELLOW	BLACK
HP Officejet Pro K550	*Ink*	₩ 25,900	₩ 25,900	₩ 25,900	₩ 35,900
Konica-Minolta magicolor 2400W	*Toner*	₩ 140,650	₩ 140,650	₩ 140,650	₩ 96,030
	OPC	₩ 175,570			

E-commerce pricing (incl. 10% VAT) per www.enuri.com, as of December 2005

- ***Sum these component costs to obtain total Cost-per-Print for the test document***

Independent testing by *SpencerLab* Digital Color Laboratory was sponsored by Hewlett-Packard Company Aug05