

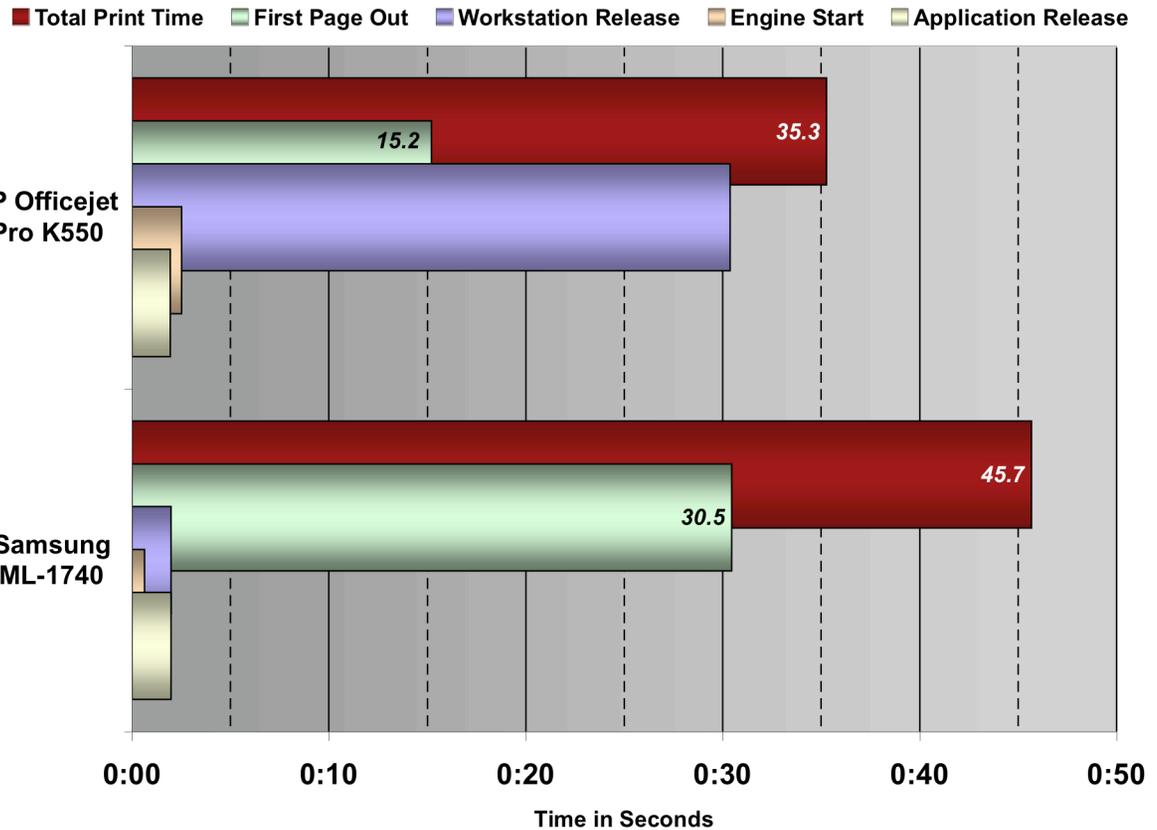
Throughput Speed Performance Test Results:

HP Officejet Pro K550 color inkjet vs. Samsung ML-1740 monolaser

spencerLAB
PERFORMANCE TESTED



MS WORD, MONOCHROME LETTER
1-page, 5 copies



← Shorter is Faster

Hewlett-Packard Officejet Pro K550 color inkjet

° 2x faster First Page Out than Samsung ML-1740 from POWER SAVE Mode

° 1.3x faster Total Print Time than Samsung ML-1740 printer from POWER SAVE Mode



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DIGITAL COLOR LABORATORY

Throughput Speed Performance Methodology:

HP Officejet Pro K550 color inkjet vs. Samsung ML-1740 monolaser

Test document

- *Monochrome Letter, CPPMEMLT*
 - Single page MS Word document, HP-provided; five copies

Test Environment

- *PC configuration*
 - 3.0 GHz Dell OptiPlex Pentium 4 workstation with a 40 GB hard drive and 512 MB RAM running Windows XP
- *Connectivity*
 - High Speed USB 2.0 communication with each printer, one-at-a-time
- *Printer Drivers*
 - HP-provided driver prior to commercial release, version 5.2.3790.184 (RC 3.1)
 - Samsung driver downloaded from Samsung website, version 5.33

Test Procedure

- *Test document sent as a five-copy print job utilizing Microsoft Word 2003 Professional Edition*
- *Print Modes: plain paper, default settings*
 - HP Officejet Pro K550: Normal
 - Samsung ML-1740: 600 dpi (Normal)
- *Test file printed from POWER SAVE mode at intervals of more than thirty minutes*
 - Samsung entered power-save mode in thirty minutes (default value)
- *All measurement intervals begin with request-to-print, clicking PRINT in the application's print dialog box*
 - Application Release: application has completed creating the print file and is freed to perform other tasks
 - Workstation Release: the print file disappears from the printer's queue
 - Engine Start: a perceptible sound or mechanical action of the printer
 - First Page Out: last edge of the first page drops into the output tray
 - Total Print Time: when the last page drops into the output tray
- *Timings over several iterations to assure accurate results within one percent +/- one second*

• Independent testing by *SpencerLab* Digital Color Laboratory was sponsored by Hewlett-Packard Company 0705

