



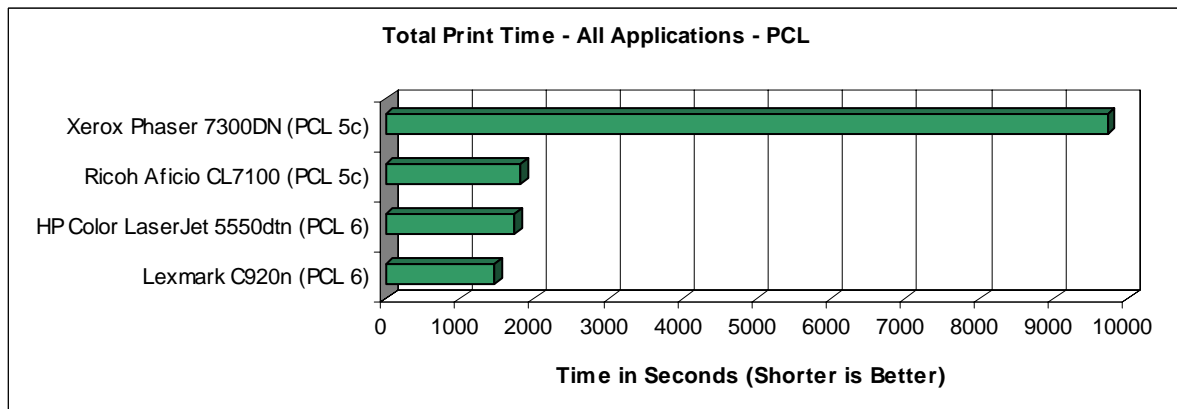
## QualityLogic Inc. – Test Report

*Lexmark's new C920n up to 561 percent faster than competitors*

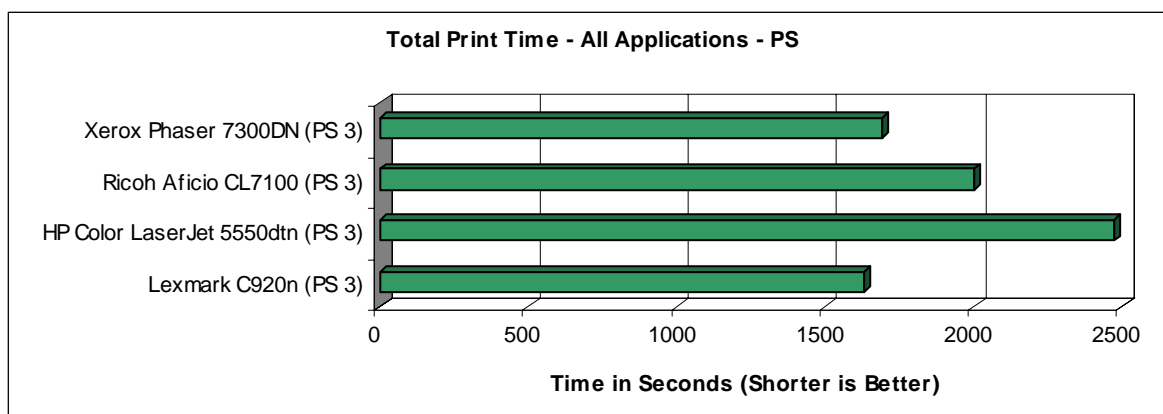
June 2005 - QualityLogic Inc., a leading independent test firm, was recently commissioned by Lexmark International Inc. to conduct tests to compare the performance of the Lexmark C920n color printer to the HP Color LaserJet 5550dtn, the Ricoh Aficio CL7100, and the Xerox Phaser 7300DN. All printers were tested using the latest available, highest function level drivers that supported the PCL and PostScript datastreams for each respective manufacturer.

Lexmark's C920n measured faster than the competitive printers for both the PCL and PostScript datastreams. The following paragraphs and charts represent the results for each datastream.

When comparing the total print times of all test files while using the PCL datastream, the Lexmark C920n measured 18 percent faster than the HP Color LaserJet 5550dtn, 23 percent faster than the Ricoh Aficio CL7100, and 561 percent faster than the Xerox Phaser 7300DN.



When comparing the total print times of all test files while using the PostScript datastream, the Lexmark C920n measured 52 percent faster than the HP Color LaserJet 5550dtn, 23 percent faster than the Ricoh Aficio CL7100, and 4 percent faster than the Xerox Phaser 7300DN.



QualityLogic selected the test files and methodology for this study using the PageSense 4.2 Business Suite for Office XP. QualityLogic's PageSense printer performance test tool is an industry standard that is used in *PC Magazine's* printer performance test reviews. The PageSense 4.2 Business Suite contains monochrome and color test files of varying complexity for Microsoft Office XP, Internet Explorer 6.0, Adobe Acrobat 6.0, and Photoshop 7.0.

## Methodology

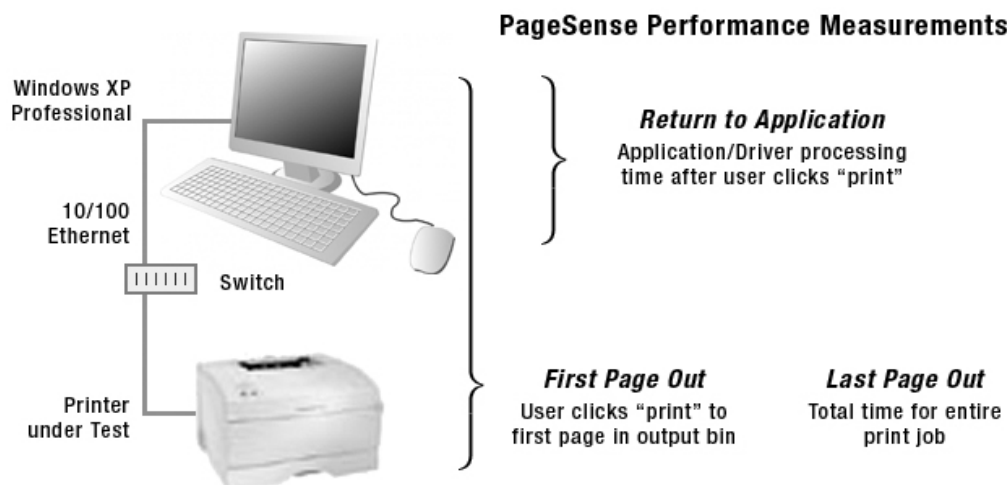
PageSense uses an automated process for printing and recording time measurements using a smart paper-sensing unit. Accurate performance data is logged into a database automatically. Each printer is run with the same network configuration. Each file is run twice to ensure a total print time measurement variation no greater than 5 percent. The Business Suite test files selected by QualityLogic are a subset of the standard PageSense 4.2 test files and are intended to replicate the type of files printed by the typical business customer. Lexmark identified the test group of printers based on comparable price and

target markets. Performance tests that use different printer firmware versions, drivers, test files, or test computers may generate results different from those in this report. The test results were provided by QualityLogic. Testing was performed under laboratory conditions and your results may vary.

## Configuration

Testing was performed with applications running on a Dell Optiplex GX270 3.2 GHz Pentium 4 Windows XP Professional client with 1.0 GB of RAM. The client and the printer were attached via a 10/100 Mbps switch. Each printer was tested at its respective standard printer memory configuration. The Lexmark C920n had 256 MB of installed memory, the HP Color LaserJet 5550dtn had 288 MB, the Ricoh Aficio CL7100 had 128 MB, and the Xerox Phaser 7300DN had 192 MB.

All printers and printer drivers were configured to their default settings. The Lexmark C920n used PCL 6, the HP Color LaserJet 5550dtn used PCL 6, the Ricoh Aficio CL7100 used PCL 5c, and the Xerox Phaser 7300DN used PCL 5c datastreams. All printers used PostScript level 3 datastreams. Detailed printer specifications may be obtained from the respective printer manufacturer's web sites.



## **About QualityLogic**

QualityLogic Inc. is a Software Quality Services and Test Tools Company, with a focus on Imaging and Telecommunications industries. QualityLogic's target markets are companies that develop and market printers, multifunction peripherals, facsimile devices, and client-based and mobility software. The company's testing services and related tools focus on the conformance, performance, and interoperability testing needs of its customers, from low level firmware testing, to high level multi-tier application testing. Visit QualityLogic's web site, [www.qualitylogic.com](http://www.qualitylogic.com), or call 800-436-6292, Ext 35.

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For additional information about PageSense, see

[http://www.qualitylogic.com/genoa\\_test\\_tools/performance/pagesense.html](http://www.qualitylogic.com/genoa_test_tools/performance/pagesense.html)