

Xerox WorkCentre 7220*

20 PPM Copier • Fax • Printer • Scanner



Reliability.....	Excellent
Multitasking	Excellent
Administrative Utilities.....	Excellent
Feedback to Workstations	Excellent
Ease of Network Setup.....	Excellent
Print Drivers	Very Good
Scan Functions.....	Good
Colour Print/Copy Quality.....	Good
Black Print/Copy Quality	Very Good/Good
Colour Print Productivity	Good
Black Print Productivity	Good
Colour Copy Productivity	Good
Black Copy Productivity.....	Good
Ease of Use	Very Good
Feature Set.....	Very Good
Security.....	Excellent
Toner/Ink Yield.....	Good

BLI RECOMMENDATION

An excellent value that received high ratings in most categories, the Xerox WorkCentre 7220 stands out as a top performer among its peers. The device is based on an engine that proved highly reliable over the course of BLI's 60,000-impression durability test, with just one misfeed and without requiring any service calls. The unit also features user-replaceable components, which eliminate the downtime that would be required for service to replace these items, as is the case with some competing devices. The device is very easy to set up, with its simple driver installation and no need to install a separate feedback utility because detailed feedback is provided in the print drivers. The drivers keep users apprised of paper and consumables status in fine increments on every tab, and offer device and job status, as well as a complete job history, in a new window. Another advantage the device offers over some competitors is that it allows users to program jobs while pages of another job are being fed through the document feeder. Productivity was competitive and printed black output quality was very good or excellent in all categories. Also notable is the device's fast tested scan speeds and significantly smaller than average scan file sizes in both compression and default modes. Further, the device offers a very good feature set. BLI highly recommends the WorkCentre 7220 for environments with an average optimum monthly volume of up to 10,000 impressions.

Rating scale: Excellent, Very Good, Good, Fair and Poor.

Test duration: Two months, including a 60,000-impression durability test completed in BLI's product testing facilities.

Tests were conducted using U.S. letter-size paper; A4 results may vary slightly.

About BLI: Since 1961, BLI has been a leading test laboratory in the world of digital imaging equipment. BLI is completely independent in all of its testing processes and subsequent reporting. All of BLI's product evaluations are conducted by highly experienced employees in its on-site testing facilities in the United Kingdom and United States where hundreds of new copiers, printers, wide-format devices, scanners, faxes and multi-function (MFP) products are evaluated and reported on each year.

More information on the Xerox WorkCentre 7220 is available through bliQ (www.buyerslab.com/bliQ).

* Reliability, scan, image quality and toner yield results are based on the performance of the Xerox WorkCentre 7225T, which uses the same engine.

STRENGTHS

- Highly reliable
- Bidirectional print drivers display device and job status, eliminating the need to install additional software, which takes up resources
- Highly detailed feedback to workstations helps ensure that supplies are on hand when needed, reducing downtime
- Highly customizable cloning of device settings from one device to another at the web utility; detailed consumables status
- Integrated address book consolidates all destinations for a contact in one place, eliminating the need to search for destinations in multiple locations
- Standard McAfee embedded technology uses whitelisting technology to protect the operating system from potentially harmful files or functions
- Users can access the Xerox Online Support database from the control panel and print driver, which includes preset help topics and how-to guides, and the ability to search by keyword
- Above average black printed image quality in all areas of testing
- Fast tested scan speeds; considerably smaller than average scan file sizes
- T configuration offers the highest standard paper capacity of the competitive group
- Highest-capacity document feeder of the competitive group
- Above average tested yellow toner yield; tested magenta and yellow yields exceeded rated yields

WEAKNESSES

- Below average productivity when printing sets
- No access to features for up to three minutes when the machine is being powered up from a cold start
- Default driver names are not easily identifiable
- No encryption support for USB files
- Email alerts cannot be sent to users when copy or scan jobs are complete
- Only some of the selections for a typical print job are available on the first print driver tab; no point-and-click support for selection of paper source and output destination
- Separate menus for the various scan destinations on the control panel require users to toggle back and forth between multiple screens
- No preview support at scan menu or for USB jobs
- Below average sharpness and smoothness of curves and serifs in copied text; heavily reddish flesh tones in copy mode; heavily yellowish flesh tones in print mode
- Below average tested cyan and magenta yields; tested black and cyan yields fell short of rated yields

RELIABILITY

Products are tested for two months, five weeks of which consists of a durability test during which the product is run at its manufacturer-rated maximum monthly duty cycle, with 75 percent of the test volume consisting of print jobs and 25 percent consisting of copy jobs.

Test Period Duration	60,000 Impressions
Total Misfeeds/ Misfeed Rate	1/Not applicable
Total Service Calls (incl. PMS)	0

BLI's daily test usage is designed to replicate real-world use over an eight-hour workday, and as such includes a mix of various-size documents, simplex and duplex modes, and a mix of short, moderate and long run lengths, and on/off cycles, throughout the day. The durability evaluation also includes testing of the document feeder/scanner for an additional 10 percent of the monthly maximum volume, evenly divided over the course of the test.

PRODUCTIVITY AND EFFICIENCY

Productivity is a measure of the speed at which copy, print and scan jobs are completed. Efficiency is the percentage of the device's advertised speed at which it runs in testing. BLI's experienced test technicians complete a comprehensive series of speed-related tests to simulate real-world conditions.

Copy Mode

Manufacturer's Rated Speed		Black		Auto Colour	
		20.0 CPM		20.0 CPM	
	# of Sets	CPM	Efficiency	CPM	Efficiency
1:1 Simplex Mode	1	12.4	62.2%	19.8	99.1%
	5	17.5	87.7%	15.5	77.3%
	10	INA	INA	INA	INA
	20	INA	INA	INA	INA
	Average	15.0	75.0%	17.7	88.2%
1:2 Duplex Mode	1	9.0	44.8%	8.3	41.7%
	5	15.1	75.4%	16.0	79.8%
	10	INA	INA	INA	INA
	20	INA	INA	INA	INA
	Average	12.1	60.1%	12.2	60.8%
2:2 Duplex Mode	1	12.5	62.5%	10.3	51.3%
	5	17.9	89.6%	15.3	76.5%
	10	INA	INA	INA	INA
	20	INA	INA	INA	INA
	Average	15.2	76.1%	12.8	63.9%
Document Feeder First-Copy-Out Time		11.25 Seconds		14.70 Seconds	

Print Mode

Manufacturer's Rated Speed		Black		Auto Colour	
		20.0 PPM		20.0 PPM	
	# of Sets	PPM	Efficiency	PPM	Efficiency
1:1 Simplex Mode	1	13.0	64.8%	9.1	45.5%
	5	17.9	89.3%	14.4	71.8%
	10	INA	INA	INA	INA
	20	INA	INA	INA	INA
	Average	15.5	77.1%	11.8	58.7%
1:2 Duplex Mode	1	11.0	54.8%	8.2	41.1%
	5	17.1	85.7%	14.2	70.8%
	10	INA	INA	INA	INA
	20	INA	INA	INA	INA
	Average	14.1	70.3%	11.2	56.0%
Job Stream Speed		16.3 PPM		12.5 PPM	
Job Stream Efficiency		81.4 %		62.6 %	

First-Page Times

Windows XP	Word	PowerPoint	Acrobat
File Type	Black Text	Colour Graphic/Text	Black Graphic/Text
File Extension	DOC	PPT	PDF
First-Print Time (Seconds)	11.10	19.93	16.48

Scan Mode	Black	Auto Colour	Full Colour
Scan to E-Mail Speed Single-Sided Originals	45.5 IPM	45.3 IPM	45.5 IPM
Scan to E-Mail Speed Two-Sided Originals	27.3 IPM	27.3 IPM	27.2 IPM

Key

- Manufacturer's Rated Speed:** The manufacturer's advertised speed (copies per minute [cpm] or pages per minute [ppm]) for the device.
- Document Feeder First-Copy-Out Time:** The time it takes in seconds for a copy to completely exit the device when a copy is made from an original placed in the document feeder.
- Job Stream Speed:** The speed at which the device runs at when completing BLI's job stream test.
- Job Stream Efficiency:** The percentage of the device's advertised running speed at which it produces the job stream, derived by dividing the tested speed of the device by the manufacturer's rated speed and multiplying by 100. The closer the rate is to 100%, or if it exceeds 100%, the more efficient the unit.
- Copy Modes:**
 - 1:1 Simplex Mode: Single-sided original to single-sided copy
 - 1:2 Duplex Mode: Single-sided original to two-sided copy
 - 2:2 Duplex Mode: Two-sided original to two-sided copy
- Print Modes:**
 - 1:1 Simplex Mode: Single-sided print
 - 1:2 Duplex Mode: Two-sided print
- # of Sets:** Indicates the number of sets produced of BLI's 10-page two-sided test original.
- CPM / IPM / PPM:** Copies per minute / Images per minute / Prints per minute. Entries under this heading indicate the speed at which the device operated when completing the test.
- INA:** Information not available. Test was not performed on the device.
- "-":** Not applicable

Copier productivity tests are based on tests performed by BLI using a variation of ASTM Standard Test Method F1318 with either A4 paper (UK lab) or 8-1/2" x 11" letter-size paper (US lab). BLI tests a unit's copy and print productivity by making multiple sets (the number of sets depends on the rated speed of the device) of BLI's 10-page two-sided Word document test original in three copy modes (1:1, 1:2 and 2:2) and in both simplex (1:1) and duplex (1:2) print modes. BLI's job stream includes Word documents, Outlook e-mail messages, Excel spreadsheets, PowerPoint, HTML and Acrobat PDF files. This test, conducted using the PCL driver, simulates the type of traffic a typical device might experience in a real-world, multi-user environment. BLI tests a device's scan speed by sending BLI's 10-page two-sided test original to an e-mail address as a 300-dpi PDF file. Scan speed is determined by measuring the time it takes for BLI's 10-two-sided test original to feed through the document feeder. Additional information on productivity and BLI's test methodology is available in the Help section on bliQ. See Glossary of Terms in the Table of Contents.

IMAGE QUALITY

BLI evaluates image quality using a combination of industry-recognized copy and print documents plus BLI proprietary test charts. A wide variety of factors are assessed using a combination of BLI technicians' expert visual opinion in addition to scientific measurements using densitometry and colour spectrophotometry equipment.

	Print Quality	Copy Quality
Text	Very Good	Fair
Line Art	Very Good	Good
Halftone Pattern/Fill	Excellent	Very Good
Halftone Range	Very Good	Very Good
Solids	Very Good	Very Good
Colour Business Graphics	Good	Good
Colour Photographic Images	Very Good	Good

LAB TESTING OVERVIEW

Test Environment: This product was tested in BLI's environmentally controlled US test lab, which replicates typical office conditions.

Test Equipment: BLI's dedicated test network, consisting of Windows 2008 and Microsoft Exchange servers, Windows 7 workstations, 10/100/1000BaseTX network switches and CAT6 cabling.

Test Procedures: BLI's lab testing includes both BLI proprietary and industry-standard test procedures and documents. In addition to a visual image quality evaluation, optical density of primary colour (CMYK) solid fill output is measured using a densitometer, and colour gamut and consistency are evaluated using a colour spectrophotometer. The reliability test is conducted using Georgia Pacific Spectrum and Boise Cascade paper in the US and UPM, Data Copy and Mondi paper in the UK. In both cases, 30 percent of the paper is recycled paper. The media used for image quality testing is Georgia-Pacific Printing Paper (24 lb., 96 brightness) in the US and UPM Future ImageTech 100gsm paper in the UK.