



KONICA MINOLTA

COMPETITIVE ANALYSIS REPORT

✧ Konica Minolta bizhub PRESS 1250 versus
Xerox D125 Copier/Printer



VS



Comparing specifications

	Konica Minolta bizhub PRESS 1250	Xerox D125 Copier/Printer
Domestic intro. date	September 2012	March 2012
Rated letter/A4 engine speed	125 ppm	125 ppm
Rated ledger/A3 engine speed	68 ppm	62 ppm
Rated first-copy time	2.8 seconds	3 seconds
Network interface	10/100/1000BaseTX	10/100BaseT
Max. monthly duty cycle	3 million impressions	2 million impressions
Recommended monthly volume	400,000 to 750,000 impressions	70,000 to 700,000 impressions
Max. paper weight (main drawers)	300 gsm	216 gsm
Max. paper weight (all sources)	350 gsm	253 gsm
Max. paper weight (duplex)	300 gsm	216 gsm
Max. paper sources	8	7
Standard A4 paper capacity	3,000 sheets	3,800 sheets
Standard A3/SRA3/12" x 18" paper capacity	3,000 sheets	1,350 sheets
Max. paper capacity	18,000 sheets	8,050 sheets
Max. stacking capacity	15,000 sheets	5,000 sheets
System RAM	768 MB	512 MB
Removable hard drive	Yes	No
Unenhanced print resolution	1200 x 1200 dpi	1200 x 1200 dpi
Max. saddle-stitch booklet capability	50 sheets / 200 page booklets	30 sheets / 120 page booklets
Perfect binding	Optional	Not available
Rated toner yield	137,000 impressions	65,000 impressions
Rated drum yield	1,000,000 impressions	500,000 impressions
Rated developer yield	1,000,000 impressions	600,000 impressions

Compared with the D125 Copier/Printer, the bizhub PRESS 1250's advantages include:

Productivity

- Faster tested speeds across a wide range of job and media types
- More clicks possible per hour
- Capable of running completely uninterrupted for 24 hours at a time or more
- Higher consumables yields means less downtime
- Rated image drum and developer life are the same, for fewer service issues

Media handling

- Triple the stacking capacity
- More than double the maximum paper capacity
- Handles heavier media weight (up to 350 gsm)
- Handles heavier media weight through the duplex unit
- Better support for coated media
- Perfect binder option
- Larger saddle-stitched booklets
- More maximum paper sources

Ease of use

- Connectivity for keyboard and mouse to simplify data entry
- New scheduler with color-coded device status display
- Better media catalog integration
- Custom media profiles

Feature set

- Better standard feature set
- Faster Ethernet connectivity
- Higher maximum monthly duty cycle
- Higher recommended monthly duty cycle
- Higher system RAM
- More than triple the hard disk capacity
- Removable hard drive for added security



Productivity advantages

The bizhub PRESS 1250 was given BLI's top mark for productivity (5 Stars), while the D125 Copier/Printer was rated lower at just 4 Stars.

According to BLI's Production Print Reports on...

The Konica Minolta bizhub PRESS 1250...

"The hallmark of the bizhub PRESS 1250's performance was its outstanding productivity. Indeed, the unit earned the rarely awarded BLI 5-Star certification for productivity."

The Xerox D125 Copier/Printer...

"Slower than competing units when printing on heavyweight media; considerable slowdown experienced when printing jobs with pre-printed covers inserted; well below average efficiency when running 12" x 18" / SRA3 productivity tests in simplex and duplex modes."



Tested throughput speeds on different types of jobs (in ppm)*	Konica Minolta bizhub PRESS 1250	Xerox D125 Copier/Printer
2-up duplex on SRA3 80 gsm	132.94	66.51
2-up duplex on A3 80 gsm	141.08	118.06
2-up simplex on SRA3 80 gsm	131.45	67.54
2-up simplex on A3 80 gsm	139.90	119.60
Booklet printing on ledger/A3	141.43	101.41

Up to 5,974 more impressions in an hour

Maximum tested throughput speeds*	Konica Minolta bizhub PRESS 1250		Xerox D125 Copier/Printer	
	Tested speed (A4 impressions per minute)	Number of A4 Impressions Achieved in an Hour	Tested speed (A4 impressions per minute)	Number of A4 Impressions Achieved in an Hour
A4/Letter Simplex	125.93	7,556	122.23	7,334
A4/Letter Duplex	125.50	7,530	120.07	7,204
A3/Ledger Simplex	140.50	8,430	120.47	3,614
A3/Ledger Duplex	140.82	8,449	120.53	3,616
SRA3/12" x 18" Simplex	131.87	7,912	67.27	2,018
SRA3/12" x 18" Duplex	132.47	7,948	65.80	1,974

*Productivity data from BLI's Production Print Test reports.

Faster tested job stream printing*	Konica Minolta bizhub PRESS 1250	Xerox D125 Copier/Printer
Simplex 1,600-page NASA test file printed on A2 80 gsm		
RIP time (seconds)	698.04	227.35
Time to first page out (seconds)	10.72	32.18
Time for job completion (seconds)	777.18	815.85
Time from job release to final page (ipm)	123.52	117.67
Time from first page out to final page (ipm)	125.25	122.5
Simplex job sent twice as single-set jobs		
Time from job release to final page (ipm)	124.40	119.97
Time from first page to final page (ipm)	125.27	121.96

*Productivity data from BLI's Production Print Test reports.

Productivity enhancement

The bizhub PRESS 1250 offers a number of critical advantages over the D125 Copier/Printer that help production environments run better and more productively, including:

- **Higher toner yields mean fewer interruptions:** The bizhub PRESS 1250's rated toner yield are almost twice as high as rated toner yield for the D125 Copier/Printer, with a rated yield of 137,000 impressions versus only 65,000 impressions for the D125 Copier/Printer. This means that users of the bizhub PRESS 1250 can run their machine for much longer before they have to replenish toner supplies.
- **Higher drum and developer yields mean less downtime for servicing:** Similarly, the drum yield for the bizhub PRESS 1250 is twice that of the D125 Copier/Printer (1,000,000 impressions versus 500,000 impressions), which reduces the possibility of the machine needing a time-consuming service call during a peak work time. Plus, the developer yield is the same as the drum yield (1,000,000 impressions each), while the developer yield for the D125 Copier/Printer is rated at 600,000 impressions... meaning the D125 Copier/Printer will require two service calls (one for the drum at 500,000 impressions and another for the developer at 600,000 impressions) before the bizhub PRESS 1250 requires any servicing at all.

- **24-hour shifts with no downtime from start to finish:** Due to the bizhub PRESS 1250's uninterrupted paper refill, toner refill and cascade multi-stacker tray design, it can be fully operational throughout a 24-hour shift without downtime of any kind. The D125 Copier/Printer has only one available stacker, which must be unloaded before more stacking can be done.

Superior media handling

BLI's published Production Print Reports rate the media handling capabilities for the bizhub PRESS 1250 higher than that of the D125 Copier/Printer (4-1/2 stars versus 3-1/2 stars). The bizhub PRESS 1250's robust paper-handling capabilities make it an excellent fit in a wide variety of environments, even in workplaces where heavy paper stock and coated paper is routinely used. Its advantages over the D125 Copier/Printer include:

- **Higher stacking capacity:** Unlike the D125 Copier/Printer, the bizhub PRESS 1250 can be upgraded to include three stackers with a total stacking capacity of 15,000 sheets. The D125 Copier/Printer handles only one 5,000-sheet stacker at a time, which means operators spend more time unloading output and that jobs must stop until the stacker has been unloaded and repositioned.
- **Higher maximum paper capacity:** Paper supplies for the bizhub PRESS 1250 can be upgraded to a maximum of 18,000 sheets, allowing far longer uninterrupted print runs than the D125 Copier/Printer, which has a maximum paper capacity of just 8,050 sheets.
- **Heavier media support through the main paper drawers:** All of the bizhub PRESS 1250 paper drawers can handle media weight up to 300 gsm, with trays four, seven and ten (the middle LCT trays in the optional high-capacity feeder) capable of handling paper weight up to 350 gsm. The D125 Copier/Printer supports only up to 216 gsm through its four main paper trays, with its optional high-capacity feeder handling only up to 253 gsm. This could severely limit the kinds of documents that can be output on the Xerox device.

- **Support for media weight up to 350 gsm:** Unlike the D125 Copier/Printer, which cannot handle media weight heavier than 253 gsm through any of its standard or optional paper sources (even the bypass tray), the bizhub PRESS 1250 has three separate paper drawer options capable of handling paper up to 350 gsm.
- **Heavier media support through the duplex unit:** The D125 Copier/Printer can duplex only on media weights up to 216 gsm, while the bizhub PRESS 1250 can feed heavy media weight (as high as 300 gsm) without forcing users to resort to time-consuming workarounds when they need duplex printing on heavy stock.
- **Better support for coated media:** BLI's production Print Report on the D125 Copier/Printer noted that the unit offers "no coated paper support through any of the standard drawers or bypass in default settings." This is not an issue with the bizhub PRESS 1250.
- **Higher saddle-stitch finishing capacity:** Although both MFPs offer saddle-stitch finisher options, only the bizhub PRESS 1250's high-end finisher option can saddle-stitch up to 50 pages, allowing users to create folded, saddle-stitched booklets up to 200 pages long. The saddle-stitch finisher for the D125 Copier/Printer handles a maximum of only 25 sheets, limiting users to booklets only 100 pages long.
- **Perfect binder option:** The bizhub PRESS 1250 offers an optional perfect binder finisher, which lets users create flat, perfect-bound booklets. There is no perfect binder finisher option offered for the D125 Copier/Printer.
- **More paper sources:** The maximum number of paper sources available for the bizhub PRESS 1250 is eight, versus just seven for the D125 Copier/Printer. This allows operators to keep a wider range of media types pre-loaded to handle different types of jobs as they are needed.

Superior ease of use

No matter how robust a production print device's feature set is, if it isn't easy to use, it increases the likelihood of costly or time-consuming mistakes. The bizhub PRESS 1250 was designed with ease of use in mind, offering user-friendly features including:

- **Keyboard and mouse connection simplifies data entry at the control panel:** The USB host ports on the bizhub PRESS 1250's touchscreen stand can be used to install a keyboard and mouse to simplify navigation on the touchscreen and help speed up data entry. There is no comparable capability for the D125 Copier/Printer.
- **New scheduler feature makes it easy to see device status:** BLI's Production Print Report on the bizhub PRESS 1250 praised its schedule function, which is color-coded to give operators an approximate indication of the remaining amount of media for each type. This helps operators visually track job status and gives them an idea of when certain paper types will need to be replenished. In contrast, the BLI Production Print Report for the D125 Copier/Printer noted, "A job scheduler to help operators determine well in advance when device attention is likely to be required is not available."



- **Better media catalog integration:** According to BLI's Production Print Report on the bizhub PRESS 1250, "The media catalog, an integral capability of the system that enables the operator to define the library of media used with the device, is well designed, easy to use and integrated with the printer driver." The report noted that the bizhub PRESS 1250's media catalog "enables operators to include a front-to-back and zoom-compensation registration profile (which is conducted at the device) for each media type. BLI was less impressed with the media catalog integration of the D125 Copier/Printer, with analysts reporting the media catalog "is not as well integrated with the FreeFlow controller and device control panel as with some competing devices. For example, the weight ranges of paper selected at the control panel do not match up with the weight ranges at the FreeFlow controller. Therefore, operators must ensure that they choose a weight range at the driver that includes the weight range originally programmed at the control panel."
- **Simple custom media profiles:** Unlike with the D125 Copier/Printer, the bizhub PRESS 1250 lets users edit custom media profile settings easily using the Paper Set Reg/Del icon. This lets operators select media from the custom profile list and edit any of the settings, with adjustment options including name, weight, colored paper, punch, both sides adjust (zoom and image shift), process adjust (offset image edge adjust), gap detection and curl adjustment. The D125 Copier/Printer offers no ability to create custom media, which would make it easy to combine media size, type, weight and handling instructions into one convenient media catalog entry.



Image quality advantages

The bizhub PRESS 1250 offers numerous image quality advantages over the D125 Copier/Printer, including:

- **Tone Curve utility:** Users of the bizhub PRESS 1250 can use the included Tone Curve utility for intuitive, professional-grade custom grey curve programming. There is no comparable capability for the D125 Copier/Printer.
- **Simitri® HD toner:** This polymerized toner, available only for Konica Minolta devices, employs toner particles that are smaller, smoother and more uniform in size than toner particles produced by traditional pulverisation techniques, resulting in more even halftones, sharper text and better greyscales.
- **Higher tested solid coverage density:** BLI's published Production Print Report data confirms that the bizhub PRESS 1250 delivers darker, denser solids than the D125 Copier/Printer, on both uncoated and coated media.

100% Solid Coverage Density Measurements*	Konica Minolta bizhub PRESS 1250	Xerox D125 Copier/Printer
Uncoated media		
Min. optical density	1.22	1.09
Max. optical density	1.53	1.21
Average optical density	1.40	1.14
Coated media		
Min. optical density	1.23	1.07
Max. optical density	1.44	1.14
Average optical density	1.34	1.11

*Density measurement data from BLI's Production Print Test reports.

Front-to-Back Solid Coverage Density Measurements*	Konica Minolta bizhub PRESS 1250	Xerox D125 Copier/Printer
Uncoated media		
Front-page average	1.63	1.12
Back-page average	1.60	1.12
Coated media		
Front-page average	1.50	1.12
Back-page average	1.48	1.10

*Density measurement data from BLI's Production Print Test reports.

Better standard feature set

The bizhub PRESS 1250 offers a robust feature set designed to handle the needs of even the busiest production environments. Its advantages over the D125 Copier/Printer include:

- **Higher maximum monthly duty cycle:** The bizhub PRESS 1250 offers a maximum monthly duty cycle of up to three million impressions, which is far more robust than the two million-impression maximum monthly duty cycle for the D125 Copier/Printer.
- **Higher recommended monthly volume:** With a recommended monthly volume of up to 750,000 impressions, the bizhub PRESS 1250 is a true workhorse capable of standing up to the busiest production environments. The recommended monthly volume for the D125 Copier/Printer is lower, maxing out at 700,000 impressions.
- **Faster connectivity:** The bizhub PRESS 1250 includes standard Gigabit Ethernet (10/100/1000BaseTX) connectivity, which is faster than the standard 10/100BaseT Ethernet for the D125 Copier/Printer. This will aid transfer of large bandwidth print jobs such as variable data printing tasks.
- **Higher system RAM:** System memory for the bizhub PRESS 1250 is 768 MB, while the D125 Copier/Printer's memory is lower at just 512 MB.
- **Higher hard drive capacity:** The bizhub PRESS 1250 offers robust hard drive storage capacity of 250 GB, which is more than triple the storage for the D125 Copier/Printer's hard drive (just 80 GB).
- **Removable hard drive for added security:** Unlike the D125 Copier/Printer, the bizhub PRESS 1250 offers a removable hard disk drive, which can be stored separately from the device for an added layer of security.

Summing up

The bizhub PRESS 1250 offers the right combination of outstanding productivity, robust media handling and stacking capabilities, high-level finishing options and strong ease of use that make it suited for a wide range of production environments and CRDs. Considering its wealth of advantages when compared against the competition, the bizhub PRESS 1250 stands out as the logical choice compared with the D125 Copier/Printer.

Shortcomings of the D125 Copier/Printer

BLI's Production Print Test Report on the Xerox D125 Copier/Printer cited the following shortcomings of the product:

- Standard media-handling capabilities are not as robust as those of most rival units, with duplexing, finishing and most of the paper sources limited to media only up to 216 gsm
- Media above 216 gsm is limited to simplex face-up output and can only be routed to the low-capacity top tray of the finisher, the booklet maker tray on the booklet maker or to connected DFA finishing options
- No coated paper support through any of the standard drawers or bypass in default settings
- No support for duplex printing of coated media in default settings
- No ability to feed media above 216 gsm to the main stacker tray of the finisher; instead it has to be output face up to the top tray of the finisher
- No support for direct submission of Word and Excel files; the operator has to submit those jobs via a printer driver
- Well below average efficiency when running 12" x 18" productivity tests in simplex and duplex modes
- Slower than competing units when printing on heavyweight media
- Considerable slowdown when printing jobs with pre-printed covers inserted
- No perfect bindery solution
- Inconsistency in media loading between drawers and optional accessories increases the risk of errors
- No standard configuration support for high-volume printing of paper weights above 216 gsm, other than the bypass tray; additional heavyweight paper support requires the optional high-capacity feeder and high-capacity stackers, which increases cost and footprint
- No engine flush capability, which would reduce the need for engine compartment to be opened during jam removal
- No gauges for toner and supplies via the tested FreeFlow driver
- No link to embedded web page
- Coated paper did not transfer accurately to the FreeFlow driver when programmed at the control panel, resulting in operators having to program coated paper again at the driver
- Coated stock was still available for programming from drawers which did not support coated stock, which could lead to fault error codes
- A job scheduler to help operators determine well in advance when device attention is likely to be required is not available

Note: Data taken from BLI's Production Print Test Report.



KONICA MINOLTA

- All information provided with this Competitive Analysis is based on independent, reliable test results of the Buyers Laboratory Inc. (BLI), the leading authority and provider of critical intelligence on the imaging industry.
- This Competitive Analysis is a living document - this means it is continually updated.
- This document is strictly for internal use and is provided for self training purposes – it should never be provided in whole or part to a customer.
- This guide is intended solely for the use and information of Konica Minolta Business Solutions Europe GmbH, its designated agents and their employees.
- The information was obtained from several different sources that are deemed reliable by all industry standards.
- To the best of our knowledge, this information is accurate in all respects. However, neither Konica Minolta Business Solutions Europe GmbH nor any of its agents or employees shall be responsible for any inaccuracies contained herein.