LASER PRINTER MX522DHE

According to ISO 14025





Lexmark's innovative imaging solutions and technologies help customers worldwide print, secure and manage information with ease, efficiency and unmatched value. Lexmark simplifies the complex intersection of digital and printed information.

As part of the commitment to our customers, Lexmark performs Life Cycle Analysis on our products. The results of the LCA analysis continues to assist Lexmark in reducing the environmental impact of the hardware, software and services offered to our customers.

Mid-size workgroups can work fast and still run economically with the MX522dhe, with printing speeds up-to 46/44 page-per-minute (letter/A4)*, the multifunction product has long-life components that rarely need replacement. Harness the power of the standard 1.2 GHz quadi-core processor and 2 GB of standard memory to simultaneously handle tasks like print, copy, and scan, all while supporting your interaction with the 4.3-inch [10-cm] e-Task touch screen. A standard two-sided document feeder adds powerful batch scanning capabilities. A durable steel frame, available extra input trays and toner cartridges that can print up to 10,000 pages** all minimize interruptions.





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This declaration is an environmental product declaration (EPD) in accordance with ISO 14025. EPDs rely on Life Cycle Assessment (LCA) to provide information on a number of environmental impacts of products over their life cycle. Exclusions: EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human



health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds — e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc. <u>Accuracy of Results</u>: EPDs regularly rely on estimations of impacts, and the level of accuracy in estimation of effect differs for any particular product line and reported impact. <u>Comparability</u>: EPDs are not comparative assertions and are either not comparable or have limited comparability when they cover different life cycle stages, are based on different product category rules or ar missing relevant environmental impacts. EPDs from different programs may not be comparable.

PROGRAM OPERATOR	UL Environment			
DECLARATION HOLDER	Lexmark International Inc.			
DECLARATION NUMBER	ıïììí∉rıíìÈ€È			
DECLARED PRODUCT	Šær^¦ÁÚ¦ājo^¦ÁTÝÍ GCåo@Á			
REFERENCE PCR	ULE Product Category Rules for preparing an environmental product declaration (EPD) for printers and multi-function printing units (v2.0). UL Environment. April 23, 2018			
DATE OF ISSUE	April 1, 2019			
PERIOD OF VALIDITY	5 Years			
	Product definition			
	Information about basic material a	nd the material's origin		
OONTENTO OF THE	Description of the product's manufacture			
CONTENTS OF THE DECLARATION	Indication of product processing			
DECLARATION	Information about the in-use conditions			
	Life cycle assessment results			
	Testing results and verifications			
The PCR review was condu	cted by:	UL Environment Review Panel		
The Fore Teview was condu	oled by:	Lise Laurin (Chairperson)		
		lise@earthshift.com		
This declaration was independently verified in accordance with ISO 14025 by Underwriters Laboratories		Grant R. Martin		
☐ INTERNAL ☐ EXTERNAL		Grant R. Martin, UL Environment		
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:		Sponer Storie		
		Thomas P. Gloria, Industrial Ecology Consultants		



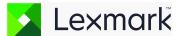
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Product Description

Product Type	Mono Laser Printer				
Printer Model	MX522dhe				
Maximum Print Speed	46 pages per minute				
Intended use	primarily office				
Range of applications	print images or text in mono onto paper or paper-like media				
Product Lifetime	5 years				
Introduction Date	4/17/2018				
Product Specifications	http://www.lexmark.com/en_US/products/series/printer-and-multifunction/finder.shtml				
Functional Unit	The functional unit has been defined as a 1,000 page simplex job in accordance with the Energy Star Typical Energy Consumption test procedure and the reference Product Category Rule (PCR).				
Scope of Validity / Applicability	The EPD is representative for the printer model MX522dhe sold as a stand- alone unit. This EPD and the reference PCR are applicable for printer sale and use in the North American market. Lexmark cannot guarantee that comparisons with EPDs of competitive products will be valid.				
Product Characterization	A solutions-capable, network-ready mono laser printer features fax, two-sided scanning, and copy functions, a 1.2 GHz quad-core processor, and 2GB of standard memory that prints up to 46 ppm mono (letter). The printer fuses to a medium (such as paper) to create hard copy images from electronic or hard copy originals. The printer product delivered to the customer consists of the printer, a power cord, printed setup instructions, a CD/DVD that includes the User Guide and Printer Drivers and an initial set of product supplies. The printer is delivered in packaging that can be recycled locally and is not needed for product operation. Product supplies include toner cartridges, imaging kits and the fusing mechanism. The power supply is internal to the product and the imaging kit and fusing mechanism are installed at the factory. Only the toner cartridges must be installed by the customer. The printer can be setup by the				



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customer without outside assistance.



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Technical Data

Product specifications	Lexmark MX521de	Lexmark MX521ade	Lexmark MX522adhe	
Printing				
Display	Le	xmark e-Task 4.3-inch (10.9 cm) color touch	screen	
Print Speed: Up to ⁶	Black: 46 ppm			
Time to First Page: As fast as	Black: 6 seconds			
Print Resolution	Black: 1200 Ima	ge Quality, 1200 x 1200 dpi, 2400 Image Qu	ality, 600 x 600 dpi	
Memory / Processor	Standard: 1024 MB / Maximum:	1024 MB / Dual Core, 1000 MHz	Standard: 2048 MB / Maximum: 2048 MB Quad Core, 1200 MHz	
Hard Disk	Not Av	railable	Included in configuration	
Recommended Monthly Page Volume ²		2000 - 15000 pages		
Maximum Monthly Duty Cycle: Up to ³		120000 pages per month		
Copying				
Copy Speed: Up to ⁶		Black: 46 cpm		
Time to First Copy: As fast as		Black: 6 seconds		
Scanning	*			
Scanner Type / ADF Scan	Flatbed scanner with ADF	/ RADF (Reversing Duplex)	Flatbed scanner with ADF / DADF (single	
A4/Ltr Duplex Scan Speed: Up to	Black: 20 / 20 sides per minute /	Color: 10.5 / 10.5 sides per minute	pass Duplex) Black: 84 / 90 sides per minute / Color: 44 48 sides per minute	
A4/Ltr Simplex Scan Speed: Up to	Black: 42 / 45 sides per minute / Color: 20 / 22 sides per minute		Black: 42 / 45 sides per minute / Color: 22	
ADF Paper Input Capacity: Up to	•	50 pages 20 lb or 75 gsm bond	24 sides per minute	
Faxina				
Modem Speed	N/A Kbps	TILT 30 V 34 F	Half-Duplex, 33.6 Kbps	
	TV C KUPS	110 1.30, 4.341	iuii-bopiex, 33.0 kbps	
Supplies ⁷	1 000 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 111 20 000 5 1 1/1 1/1		
Laser Cartridge Yields (up to)		a Cartriage, 20,000-page Extra High Yield C on 3 average letter/A4-size pages per prin	Cartridge, 25,000-page Ultra High Yield Cartridge	
Imaging Unit Estimated Yield: Up to		1 on 3 average letter/A4-size pages per prin 1000-page Starter Return Program Toner Car		
Cartridge(s) Shipping with Product	0,1	000-page starter keturn Program Toner Car	triage	
Paper Handling				
Included Paper Handling		Sheet Multipurpose Feeder, 150-Sheet Outp		
Optional Paper Handling		Sheet Tray, 550-Sheet Tray, 550-Sheet Locks		
Paper Input Capacity: Up to		20 lb or 75 gsm bond / Maximum: 2000 pag		
Paper Output Capacity: Up to		s 20 lb or 75 gsm bond / Maximum: 150 page		
Media Types Supported		abels, Plain Paper, Transparencies, Refer to		
Media Sizes Supported	10 Envelope, 7 3/4 Envelope, 9 Envelope, 7	A4, A5, DL Envelope, Executive, Folio, JIS-B5,	Legal, Letter, Statement, Universal, Oficio, A6	
General Information ⁴	T			
Standard Ports	One Internal Card Slot, USB 2.0 Specification Speed Certified port	Hi-Speed Certified (Type B), Gigabit Etherne (Type A), Rear USB 2.0 Specification Hi-Spee	et (10/100/1000), Front USB 2.0 Specification Hi ed Certified Port (Type A)	
Optional Network Ports / Optional Local Ports	Marknet N8372 WiFi	Option / Internal RS-232C serial, Internal 128	4-B Bidirectional Parallel	
Noise Level: Operating		Print: 56 dBA / Copy: 56 dBA / Scan: 55 dB	A	
Specified Operating Environment	Humidity: 8 to 80% Relative Humi	dity, Temperature: 10 to 32°C (50 to 90°F), A	ltitude: 0 - 5000 Meters (16,404 Feet)	
Limited Warranty - See Statement of Limited Warranty	1-Year Onsite Service, Next Business Day			
Size (in H x W x D) / Weight (lb.)		18.8 x 19.3 x 16.9 in. / 45.5 lb.		

All information in this brochure is subject to change without notice. Lexmark is not liable for any errors or omissions.

This is a Class A device according to the FCC Rules and international electromagnetic emissions standards. This device is not intended for use in residential or domestic environments due to potential interference to radio communications.



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System Boundary

The study considers all phases of the life cycle, as shown below.

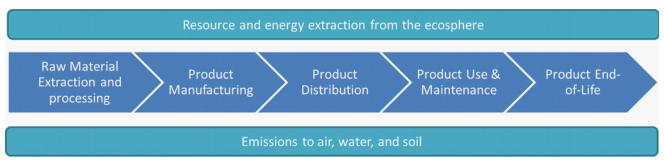


Figure 1: System Boundaries

Declaration of Basic Materials

The printer consist of mechanical, electromechanical, and electronic components. Its material composition can be described using the basic material fractions given below. Please note that the category 'Electronics' also includes all wiring.

Material	Mass (kg)
Plastics (recyclable)	8.6
Plastics (non-recyclable)	1.23
Ferrous Metals	7.73
Aluminum	0
Copper	0.00384
Glass	0.974
Electronics	1.6
Other Materials	0.15

Table 1: Basic Material Declaration

Product Supply Chain

The printer is manufactured and assembled in Southeast China. The cartridges for the North American market are manufactured and assembled in Juarez, Mexico.



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Life Cycle Assessment Results

The following sections describe the printer's potential environmental impacts over the full printer life cycle. These represent the typical impacts for an average system sold in the North American market. All impacts are presented per functional unit of printing 1,000 images of the reference standard.

Manufacturing Material and Resources Inventory

Table 2 displays the use of material resources (kg) and of non-renewable as well as renewable primary energy demand necessary for printer manufacturing, but excludes other life cycle stages of the printer (cradle-to-gate). Likewise, material and energy consumption associated with printer packaging, cartridges, and paper is excluded here.

Use of Material Resources [kg]			
Non-Renewable	1.04E003		
Renewable (excl. water)	1.19E003		
Water	1.15E005		
Use of Non-Renewable Pr	imary Energy [MJ]		
Crude Oil	396		
Hard Coal	977		
Lignite	36		
Natural Gas	720		
Uranium	91.1		
Use of Renewable Primar	y Energy [MJ]		
Biomass	0.213		
Geothermal	1.43		
Solar	61.7		
Wind	29.8		
Hydropower	86.6		

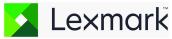
Table 2: Use of Material and Energy Resources for Printer Manufacturing (Cradle-to-Gate)

Energy Consumption During Utilization

Based on the EnergyStar Typical Energy Consumption (TEC) test methodology, the printer is expected to have the following power consumption for an assumed average job load.

	Per 1,000 page	Per product lifetime
Energy Consumption During Utilization [kWh]	0.36	494

Table 3: At-wall power consumption during utilization



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Life Cycle Impact Assessment

The following provides an overview of the potential printer life cycle impacts with emissions classified and characterized to standard environmental impact metrics using the ReCiPe 2016 Hierarchist (H) midpoint characterization factors (v1.1).

Note that the mineral resource depletion results do not include any contributions from the paper life cycle as the AF&PA report does not allow for the conversion to ReCiPe 2016.

Ecotoxicity and human health are not included in this study, as per the PCR, due to their respective uncertainties.

LCIA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins or risks.

	per 1000 pages including paper	excluding paper	lifetime	per printer lifetime excluding paper
Global Warming Potential [kg CO2 eq.]	7.96E00	1.58E00	1.09E04	2.17E03
Ozone Depletion Potential [kg CFC-11 eq.]	5.90E-07	5.90E-07	8.10E-04	8.10E-04
Acidification Potential [kg SO2 eq.]	7.32E-03	7.32E-03	1.01E01	1.01E01
Eutrophication Potential [kg P eq.]	1.11E-05	1.11E-05	1.53E-02	1.53E-02
Fossil Fuel Depletion Potential [kg oil eq.]	5.39E-01	5.39E-01	7.40E02	7.40E02
Mineral Resource Depletion Potential [kg Cu eq.]	2.59E-02	2.59E-02	3.56E01	3.56E01

Table 3: Summary of Life Cycle Impact Assessment Results



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Interpretation of Results

Dominance Analysis

Due to the 5 year lifetime and the number of pages printed per day as established by the Energy Star Typical Energy Consumption test procedure, the use phase heavily dominates the life cycle impacts. The below tables and charts display the results of the dominance analysis for each impact category addressed in Table 3.

Global Warming Potential

ReCiPe2016, version 1.1	per 1000 pages including paper			per printer lifetime excluding paper
Printer	1.14E-01	1.14E-01	1.57E02	1.57E02
Lexmark use phase <lc></lc>	7.85E00	1.47E00	1.08E04	2.01E03
Lexmark EoL phase <lc></lc>	1.24E-03	1.24E-03	1.70E00	1.70E00

Table 4: Fossil GWP100 dominance analysis [kg CO2 equiv]

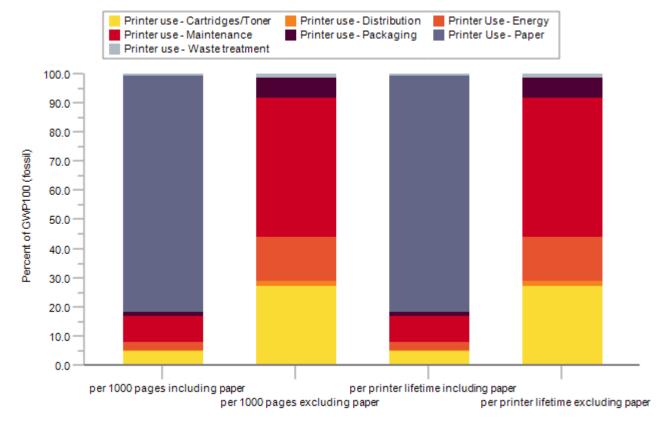


Figure 1: Fossil GWP100 dominance analysis of the use phase



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Ozone Depletion Potential

ReCiPe2016, version 1.1	per 1000 pages including paper			per printer lifetime excluding paper
Printer	4.26E-08	4.26E-08	5.85E-05	5.85E-05
Lexmark use phase <lc></lc>	5.47E-07	5.47E-07	7.51E-04	7.51E-04
Lexmark EoL phase <lc></lc>	1.39E-10	1.39E-10	1.90E-07	1.90E-07

Table 5: ODP dominance analysis [kg CFC-11 equiv]

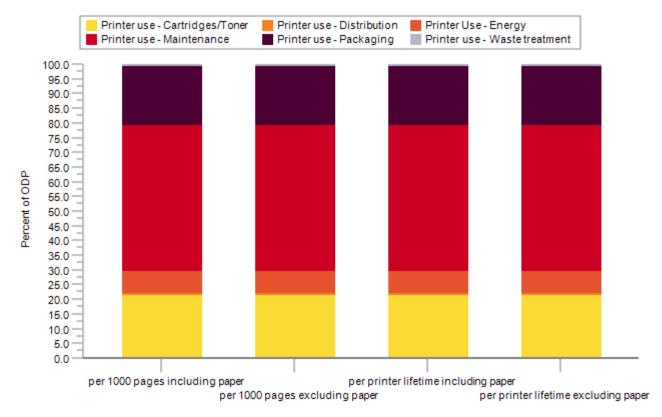
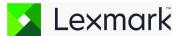


Figure 2: ODP dominance analysis of the use phase



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Acidification Potential

ReCiPe2016, version 1.1	per 1000 pages including paper			per printer lifetime excluding paper
Printer	6.13E-04	6.13E-04	8.42E-01	8.42E-01
Lexmark use phase <lc></lc>	6.70E-03	6.70E-03	9.20E00	9.20E00
Lexmark EoL phase <lc></lc>	3.23E-06	3.23E-06	4.43E-03	4.43E-03

Table 6: AP dominance analysis [kg SO₂ equiv]

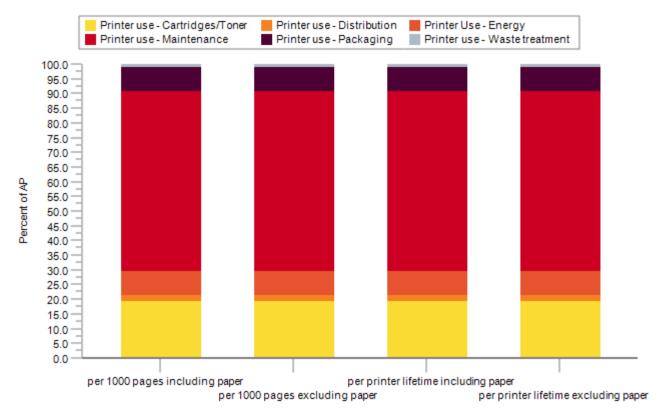
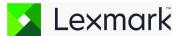


Figure 3: AP dominance analysis of the use phase



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Eutrophication Potential

ReCiPe2016, version 1.1	per 1000 pages including paper			per printer lifetime excluding paper
Printer	6.84E-07	6.84E-07	9.39E-04	9.39E-04
Lexmark use phase <lc></lc>	1.04E-05	1.04E-05	1.43E-02	1.43E-02
Lexmark EoL phase <lc></lc>	4.09E-09	4.09E-09	5.62E-06	5.62E-06

Table 8: EP dominance analysis [kg P equiv]

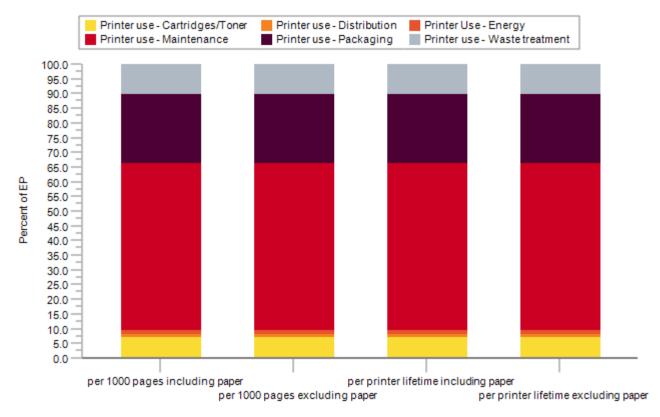
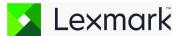


Figure 4: EP dominance analysis of the use phase



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Fossil Fuel Depletion Potential

ReCiPe2016, version 1.1	per 1000 pages including paper			per printer lifetime excluding paper
Printer	3.77E-02	3.77E-02	5.17E01	5.17E01
Lexmark use phase <lc></lc>	5.01E-01	5.01E-01	6.87E02	6.87E02
Lexmark EoL phase <lc></lc>	4.19E-04	4.19E-04	5.76E-01	5.76E-01

Table 9: Fossil fuel depletion dominance analysis [kg oil equiv]

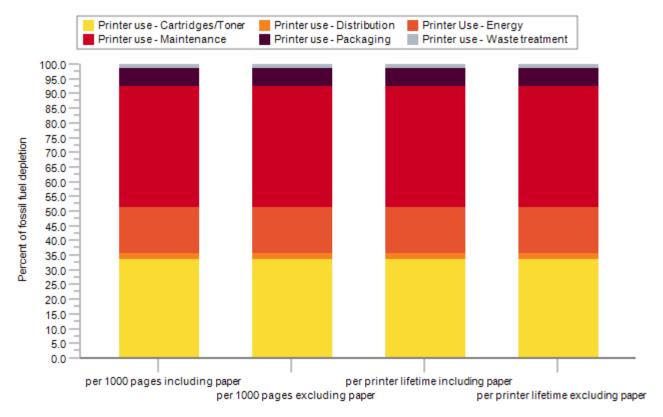


Figure 5: Fossil resource depletion dominance analysis of the use phase



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Mineral Resource Depletion Potential

ReCiPe2016, version 1.1	per 1000 pages including paper			per printer lifetime excluding paper
Printer	6.89E-03	6.89E-03	9.46E00	9.46E00
Lexmark use phase <lc></lc>	1.90E-02	1.90E-02	2.61E01	2.61E01
Lexmark EoL phase <lc></lc>	7.21E-06	7.21E-06	9.90E-03	9.90E-03

Table 10: Mineral resource depletion dominance analysis [MJ surplus]

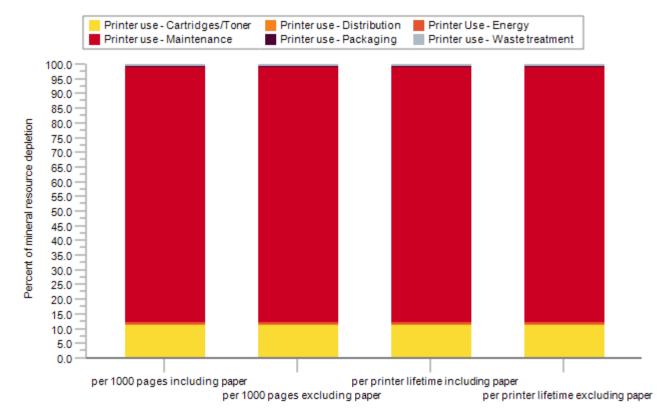


Figure 6: Mineral resource depletion dominance analysis of the use phase



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Primary Energy Demand from Renewable and Non-renewable Resources

ReCiPe2016, version 1.1	per 1000 pages including paper			per printer lifetime excluding paper
Printer	1.75E00	1.75E00	2.40E03	2.40E03
Lexmark use phase <lc></lc>	6.94E01	2.31E01	9.53E04	3.17E04
Lexmark EoL phase <lc></lc>	1.87E-02	1.87E-02	2.57E01	2.57E01

Table 11: PED dominance analysis [MJ]

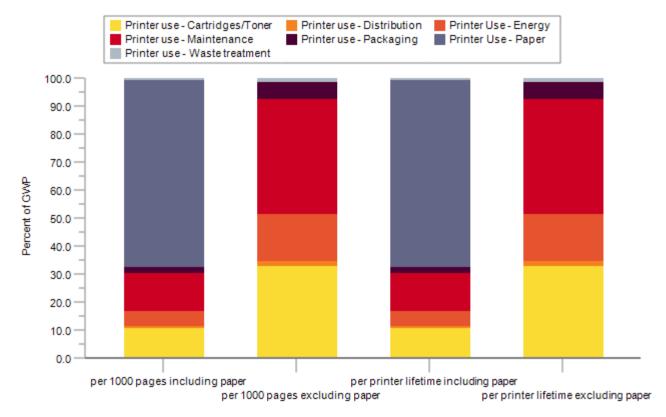


Figure 7: PED dominance analysis of the use phase



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Assumptions and Estimations

Assumptions and estimations follow the governing PCR on printing equipment. Full details are documented in the EPD's background report, which was provided for verification purposes alongside the EPD. The LCA results represent the specific printer model as sold in the North American market.

In line with the PCR, the model assumes a printer lifetime of five (5) years. The printer is modeled to print an average of 1.06E003 pages per day based on a maximum print speed of 46 images per minute. The printer further possesses an automatic mechanic duplexing feature.

Power consumption figures are based on Energy Star testing of the printer using the average job load described above. Consumables consumption is based on the market-average yield across all available cartridge capacities. In addition, market-average use of remanufactured cartridges is taken into account, as applicable.

Transportation distances to the end consumer are based on their points of origin and the population-weighted average distance to the 100 most populous cities in the continental US based on 2010 census data. The printer as well as replacement fuser kits and waste toner bottles are manufactured in China and shipped to the point of use from the distribution center near Nashville, TN, while the cartridges and the imaging unit are shipped from Ciudad Juarez, MX.

The LCI data for office paper is adopted from the uncoated, free sheet paper inventory developed by the American Forest & Paper Association (AF&PA). This paper dataset assumes that average office paper contains 4% recycled content. The mass of consumed paper is based on the US letter format and a surface weight of 75 g/m². The AF&PA data includes paper production, transportation, and End-of-Life treatment (72% recycling, 23% landfill, 5% incineration).

The End-of-Life treatment for the printer is based on the assumption that 66.7 % of the printers are returned to Lexmark for recycling, while the remainder is disposed of through local waste streams, where the metal fractions are assumed to be recycled and the remainder landfilled. The EoL cartridges are assumed to go to remanufacturing, recycling, and landfill in equal shares.

In accordance with the cut-off methodology prescribed by the governing PCR, materials sent to End-of-Life recycling are considered to cross the system boundary without any further transformation. Only the impacts associated with waste transportation and disposal are included in the results.

Description of Data and Period Under Consideration

All primary data is based on technical documentation and sales data accessed in 2018. All background data is taken from the GaBi 2018-8.6.20 Databases. No primary data is collected from the Original Equipment Manufacturer's manufacturing plant.



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Data Quality

Manufacturing data of printers and consumables is based on a combination of Bills of Material and teardown analyses and is considered to be of overall high quality with low uncertainty. Distribution from printer manufacturing to the end consumer is representative of logistical data from Lexmark and best estimates of US average shipping distances, and is of moderate quality and high uncertainty.

Printer power consumption represents measured power consumed during printer operation in accordance with the use scenario outlined in the reference PCR and is of high quality and moderate uncertainty; actual print loads may differ. Toner cartridge use is based on expected yields based on the ISO test standards for cartridge use, and is of high quality and low uncertainty. Replacement rate for consumable parts is based on part design specifications, and is of high quality and moderate uncertainty.

The disposition of the printer and consumables at End-of-Life is based on best-available information by the respective experts at Lexmark. This data is of average quality and moderate uncertainty.

Background Data

All background datasets relevant to production, power generation, transportation, and material disposal were taken from the GaBi 2018-8.6.20 Databases.

The data used for office paper is based on the data developed for the American Forest & Paper Association (AF&PA) and is representative for average North American office paper production in 2010.

The additional use of third-party background data from industry associations (e.g., worldsteel) is documented in the background report. They represent the latest LCI data as available in the GaBi 2018-8.6.20 Databases.

Allocation and Methodological Principles

No significant allocations have been considered for the production of the printer. Allocation of production or use impacts across the various functions of a multi-function system is not included (i.e., allocation of production impacts to the provision of scanning services) and the impacts from all life cycle stages are considered within the system boundaries for the printing system.

Treatment of recycled or resold material is not considered in the body of the EPD, in accordance with the cut-off methodology required by the governing PCR.

A description of all of the methodological decisions made in modeling the life cycle impacts of office paper, including descriptions of the approach to modeling carbon sequestration and paper recycling, are described in the American Forestry & Paper Association's LCA report on printing and writing papers.



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Additional Environmental Information

As required by the governing PCR, the assessment of human toxicity and ecotoxicity shall be included in this additional information section. The following metrics, which are based on the scenario 'per printer lifetime including paper' can help identify toxicity hot spots, but decision-making should also consider an exposure assessment.

	USEtox - Ecotoxicity [CTUe]	USEtox - Human toxicity (cancer) [CTUh]	USEtox - Human toxicity (non- cancer) [CTUh]
Printer use - Cartridges/Toner	5.98E00	6.72E -08	2.32E -09
Printer use - Distribution	2.01E -01	2.21E -10	5.64E -11
Printer Use - Energy	4.27E -01	1.00E -08	6.94E -10
Printer use - Maintenance	4.16E00	3.13E -08	2.99E -09
Printer use - Packaging	2.84E -01	2.09E -08	1.71E -07
Printer use - Waste treatment	1.07E -01	1.35E -09	1.36E -09



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References and Standards

EPA (2013) ENERGY STAR Program Requirements for Imaging Equipment – Test Method (Rev. Jun-2013) https://www.energystar.gov/sites/default/files/FINAL%20Version%202.0%20Imaging%20Equipment%20Program%2 ORequirements%20%28Rev%20Oct-2014%29_0.pdf

ISO (2006a) ISO 14025: Environmental labels and declarations – Type III environmental declarations – Principles and procedures. International Organization for Standardization. Geneva.

ISO (2006b) ISO 14040: Environmental management - Life cycle assessment - Principles and framework. International Organization for Standardization. Geneva.

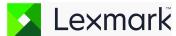
ISO (2006c) ISO 14044: Environmental management - Life cycle assessment - Requirements and guidelines. International Organization for Standardization. Geneva.

NCASI (2010) Life Cycle Assessment of North American Printing and Writing Paper Products – Final Report. Prepared for the American Forest and Paper Association (AF&PA) and the Forest Products Association of Canada (FPAC) by the National Council for Air and Stream Improvement, Inc. Research Triangle Park, NC

thinkstep (2018) GaBi ts Product Sustainability Software. thinkstep AG, Leinfelden-Echterdingen. http://www.gabi-software.com

ReCiPe (2016) ReCiPe methodology for Life Cycle Impact Assessment, version 1.1. Available at www.lcia-recipe.net

ULE (2018) Product Category Rules for preparing an environmental product declaration (EPD) for printers and multi-function printing units (v2.0). UL Environment. Washington, DC.



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Contact Information



Lexmark International, Inc. 740 W. New Circle Road Lexington, KY 40550 Tel: +1-859-232-2000