

Canon Inc.

Canon Large Format Printer TC-21M



Functional unit

Per unit product

System boundary

final products intermediate products
Raw Material acquisition, Production, Distribution,
Use & maintenance, and End-of-Life stage

Main specifications of the product

Model name: Canon Large Format Printer TC-21M

Specifications

- Large Format Printer (Inkjet method)
- Maximum paper size: 24 in.

Company Information

Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku,
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Registration#	JR-AI-24647E
PCR number	PA-590000-AI-08
PCR name	画像入出力機器
Publication date	3/28/2025
Verification date	3/19/2025
Verification method	システム認証方式
Verification#	JV-AI-24647
Expiration date	3/18/2030
PCR review was conducted by:	
Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

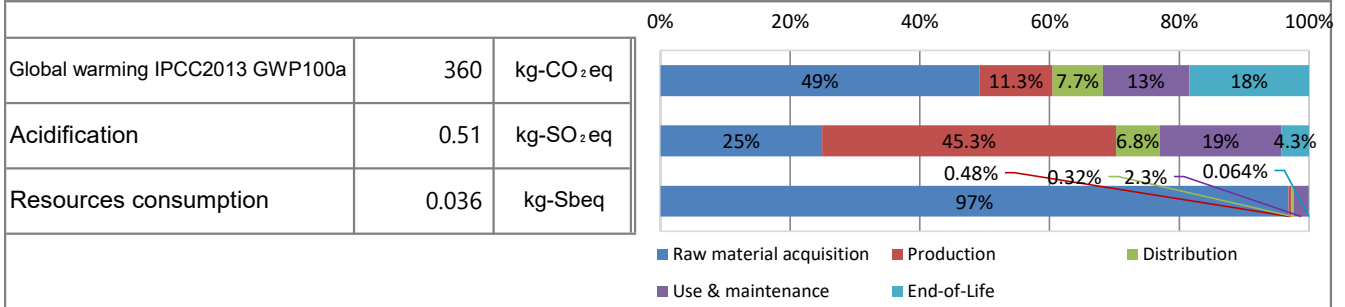
Masayuki Kanzaki

Independent verification of data & declaration in accordance with ISO14025

internal external

*Auditor's name is stated if system certification has been performed.

1. Results of life cycle impact assessment (LCIA)



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	3.6E+02	1.7E+02	4.0E+01	2.7E+01	4.7E+01	6.6E+01
Ozone layer destruction		kg-CFC-11eq	2.3E-05	2.0E-05	1.4E-08	4.9E-09	2.0E-06	5.3E-07
Acidification		kg-SO ₂ eq	5.1E-01	1.3E-01	2.3E-01	3.4E-02	9.5E-02	2.2E-02
Resources consumption		kg-Sbeq	3.6E-02	3.4E-02	1.7E-04	1.1E-04	8.2E-04	2.3E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable energy resources	4.8E+03	MJ
Renewable primary energy	2.7E+02	MJ

3. Material composition

Material	Value	Unit
Common Steel	40	%
Stainless Steel	0.57	%
Aluminium	0.0044	%
Other Metal	1.4	%
Plastic	30	%
Rubber	0.13	%
Glass	1.3	%
Paper/Wood	22	%
Circuit Board	0.76	%
Others	3.2	%



5. Additional explanation

Calculated in the following conditions;

- Printing paper is not considered.
- Expected use period is 3 years.
- The standard scenario for Large Format Printer (IJ type).
- US market.
- Print volume: 3,600 sheets.
- The applied Energy Star program version is 3.0.

We evaluated the Ecoleaf with Canon's own data of raw materials weight and the general basic unit for the parts because it is difficult to collect the data for a couple of thousands of parts. Accordingly, the results may be different from the specific product specification. As such, please be advised that this result would be a rough estimate.

6-1. Supplementary environmental information

Complies with the EU RoHS Directive (2011/65/EU) and its amendments including 2015/863/EU.
Manufactured at ISO 14001 certified factories.

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IDEA v3.1, and registered data v1.15 of Japan EPD Program by SuMPO are used.

8. Remarks

- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
(Reference URL : <https://ecoleaf-label.jp/regulation/>)
- This is a selfdeclared translation of EPD that can be accessed at [JR-AI-24647E] and is published for convenience purposes. Only the original EPD is valid and binding between parties.