SuMPO EPD JAPAN VERIFIED

SuMPO EPD Japan

Third party verified

Environmental Product Declaration

In conformance with

ISO14025 | ISO14040 | ISO14044

EPSON SEIKO EPSON CORPORATION

WorkForce Enterprise WF-C20750

High-speed Linehead Inkjet Multifunction Printer

(for North America)



Registration number	Verification date	Publication date	Expiration date	EPD type
SuMPO-EPD-2610-288-1	October 23, 2026	May 22, 2020 *	October 22, 2031	Single Product EPD

* First publication date

Additional standards in conformance

ISO14067:2018

EPD can be updated or withdrawn during the validity period. To confirm the validity of this EPD, check the following website:
https://ecoleaf-label.jp/epd/search

●General Information

＞Programme

Programme name	SuMPO EPD Japan
Programme operator	Sustainable Management Promotion Organization (SuMPO)
Address	KANDA SQUARE GATE 4F, 14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo, 101-0047, Japan
Website	https://ecoleaf-label.jp

＞GPI and PCR

GPI	SuMPO EPD Japan General Program Instructions v.2.1.1
PCR name	Imaging input and/or output equipment
PCR registration number	SuMPO-PCR-02001-9-0-0
PCR publication date	October 17, 2025
PCR review panel chair	Ken Yamagishi (LCA Expert Center Co., Ltd.)
PCR valid until	October 16, 2030
PCR issuer	Sustainable Management Promotion Organization (SuMPO)

＞Verification

Verification Type	Third-party verification in conformance with ISO14025 and ISO21930:2017		
	☐ Internal	■ External	
	☐ Third-party verification by individual verifier	☐ Third-party verification by verification body	■ Third-party verification by system certification
Verifier	Shino Nishikimi (Japan Quality Assurance Organization)		

＞Standards

Standards in conformance with;	■ ISO14040:2006	■ ISO14044:2006	■ ISO14067:2018
	■ ISO14025:2006	☐ ISO21930:2007	☐ ISO21930:2017
	☐ EN15804+A2	☐ EN50693:2019	☐ ISO/IEC63366:2025

EPD owner is responsible for the information contained in the EPD and for environmental claims related to the information. For any inquiries or requests regarding the content of the EPD, please contact the EPD owner.

EPDs are comparable only if they comply with this document, use the same sub-PCR where applicable, include all relevant information and are based on equivalent scenarios. Comparability of EPDs is limited to those applying a functional unit.

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

When using weighted averages for calculation, the life cycle impact assessment results, life cycle inventory analysis-related information, waste-related information, and environmental information on output flows do not correspond to information about a specific product.

●EPD Owner's Information

Name of company and dept.	Seiko Epson Corporation / P OFFICE & HOME BUSINESS MANAGEMENT DEPARTMENT
Address	80 Harashinden Hirooka, Shiojiri-shi, Nagano-ken
Contact	http://www.epson.jp/contact
LCA practitioner	Asako Tsutsui
Company description	Founded on: May 18, 1942 Paid-in capital: 53,204 million yen Our Business: We are a precision equipment manufacturer engaged in commercial and industrial printing, office and home printing, projectors, crystal devices, semiconductors, industrial robots, watches, and related businesses.

●Product Information

Product name		WorkForce Enterprise WF-C20750		
Product /model number		WF-C20750		
Product sepcification	Mass	184kg (Ink Included)	Conversion factor	-
	Function	Multi Function Printer		
	Applications	Business Printer		
	TS*	High Performance Inkjet		
Service life	Service life	5 years		
	In-use conditions	835,200sheets = (32 pages x 87 jobs/day x 5 days) / 4 x 4 weeks x 12 months x 5 years		
	reference	Scenarios for printers and multifunction devices (inkjet method) of Image Input/Output Devices v9.0.0		
Manufacturing site(s)		Indonesian factories and domestic factories		
Product description		Main Specifications ■- Products selected in the scenario used for inventory calculation Multifunction device (High Perfomance IJ) ■Color ■Print speed: 75ppm (single-sided A4 sheets) ■Maximum paper size (standard cassette): A3 ■Automatic duplex printing ■Product destination: North America - Inventory of the print paper is not included - In accordance with the ENERGY STAR® Ver.3.0. * This information outlines the main details related to EPD. For more details, please refer to the website or other relevant sources.		
Website		https://www.epson.jp/		

* TS: technical specifications,

●Product Content

Product components	Propotion (%)	Mass (unit)	
Steel	53.1	97.68	kg
SUS	1.5	2.78	kg
Alminium	1.5	2.83	kg
Other material	6.3	11.53	kg
Plastic	27.5	50.58	kg
Rubber	0.5	0.99	kg
Glass	0.8	1.42	kg
Paper and wood	0.0	0.05	kg
Circuit Board	3.3	6.09	kg
Other	5.4	9.97	kg
Packaging materials	Propotion (%)	Mass (unit)	
Plastic	22.3	2.70	kg
Paper and wood	77.7	9.39	kg

●Biogenic Carbon Content

Item	Content (kg-C)	Content (kg-CO_2 eq)
Biogenic carbon content per product	0.00	0.00
Biogenic carbon content in packaging	12.66	3.45

●LCA-related Information

＞EPD Type Information

EPD type	Product type	■ Single product EPD	☐ Multiple products EPD	☐ Industry-wide EPD	
	Site type	■ Single site	☐ Multiple sites		
	Value	■ Specific	☐ Average	☐ Representative	☐ Worst case
Geographical coverage		North America			

＞LCA Information

Declared unit		Per unit of product		
System boundary		☐ Cradle-to Gate	☐ Cradle-to-Gate with options	■ Cradle-to-Grave
LCA software		MilCA Cloud version 1.2.1.14		
LCI database		IDEA3.5.1		
Characterization model		Climate change: IPCC Sixth Assessment Report (IPCC, 2021) Other impact areas: LIME2		
Use of other background data		-		
Secondary data quality		The calculation was performed using data that meet the prescribed secondary data quality requirements set by GPI.		
Primary data collection sites		Manufacturing facilities for ink cartridges and print heads, as well as assembly plants for finished products.		
Primary data collection period		From April 2024 to March 2025		
Biogenic carbon		☐ 0/0 approach	■ -1/+1 approach	
Information about electricity	Use	■ Average consumption mix	☐ Others	

＞Life Cycle Stages

Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
■	■	■	■	■

■ : declared stage　　－ : stage not declared

＞Allocation

・In this assessment, the possibility of avoiding allocation through process disaggregation was examined in accordance with the procedures specified in the GPI. Where allocation could not be avoided, it was performed based on physical relationships.

＞Cut-off rules

・Environmental burdens associated with the transportation processes of components, materials, packaging materials, and accessories
・Environmental burdens associated with product storage
・Environmental burdens associated with the proper treatment of waste generated during the raw material procurement and production stages
A cutoff criterion of 5% was applied, in accordance with the cutoff requirements specified in the SubPCR (Product Category Rules for Imaging Equipment, Version 9; hereinafter referred to as “SubPCR”).

＞System Boundary

・Based on the PCR requirements, the mandatory life cycle stages covered in the assessment include raw material acquisition, manufacturing, distribution (logistics), use and maintenance, and end-of-life (final disposal).
・Processes specified as being outside the system boundary in the GPI and PCR were not included in the calculation.
・The time horizon considered within the system boundary is 100 years from the year of primary data collection, with impact assessment factors aligned with the IPCC GWP100 methodology.

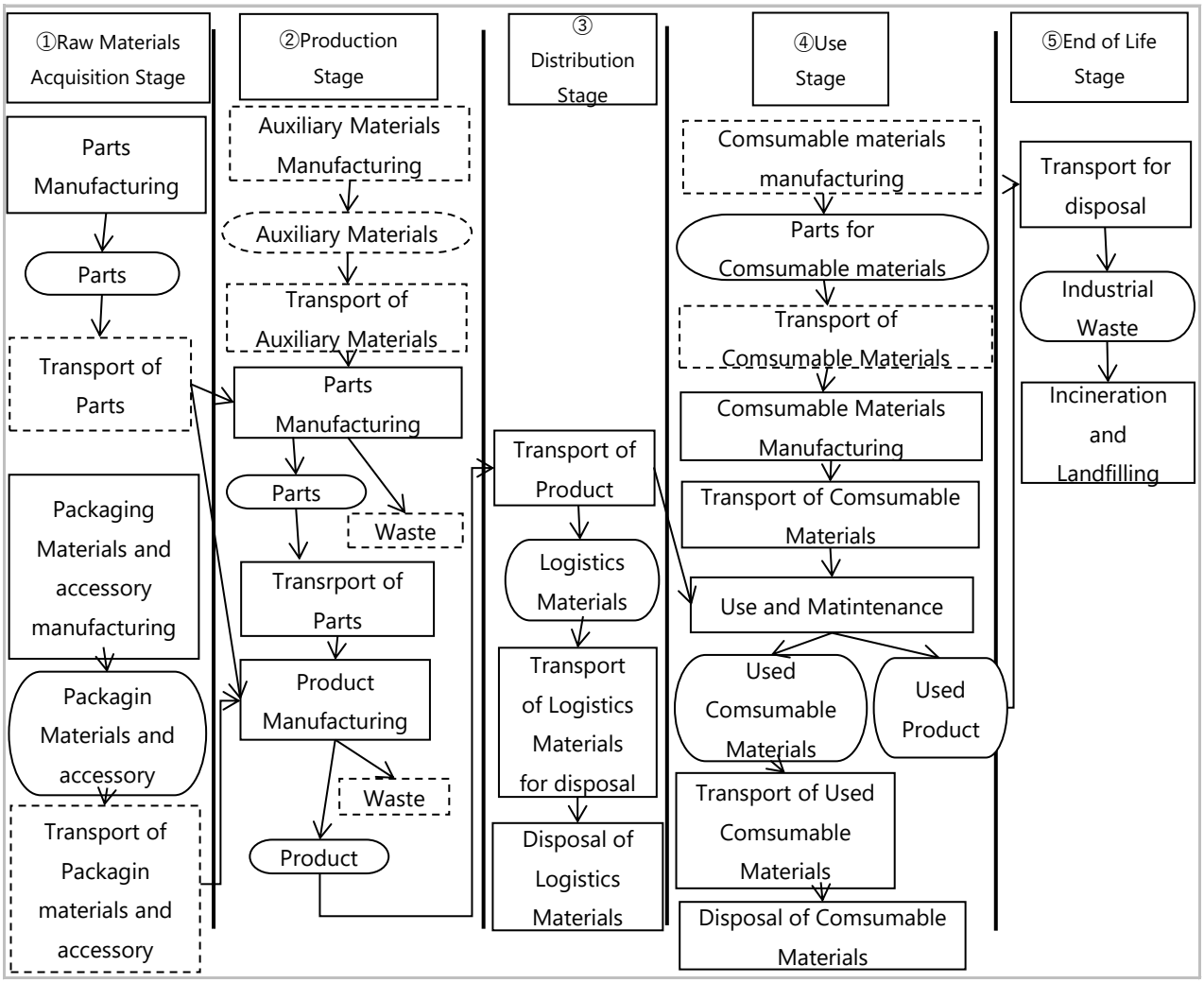
＞Scenario

[Transportation Scenario for the Main Product and Consumables]
- Load factor: Sub-PCR scenario is applied.
- The transportation method and distance: Primary data are used for transportation from the manufacturing site to the destination sales company warehouse. Transportation distance and transportation method from the sales company warehouse to customers are calculated using scenario assumptions.
[End-of-Life Transportation Scenario for the Main Product and Consumables]
- Load factor and transportation method: Sub-PCR scenario is applied.
- The transportation distance for end-of-life transportation is assumed to be 100 km.

＞Electricity Modelling

For the manufacturing and use stages, the latest electricity emission factors for the relevant region were applied.

＞Life Cycle Sytem Diagram



●LCA Result

＞LCIA Indicators

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
GWP - total	kg-CO_2eq	9.38E+02	1.99E+02	1.06E+02	3.02E+02	1.25E+02
GWP - fossil	kg-CO_2eq	9.49E+02	1.99E+02	1.04E+02	2.97E+02	8.68E+01
GWP - biogenic	kg-CO_2eq	-1.20E+01	7.53E-02	2.24E-01	2.33E+00	3.76E+01
GWP - land use and land use change	kg-CO_2eq	1.36E+00	1.04E-01	1.88E+00	2.85E+00	4.19E-02
ODP: Ozone depletion potential	kg-CFC-11eq	2.77E-05	5.96E-07	6.91E-08	6.04E-06	8.07E-08
EP: Eutrophication potential	kg-PO_4^3-eq	1.05E-01	7.48E-05	2.49E-04	6.60E-01	1.07E-04
AP: Acidification potential	kg-SO_2eq	1.01E+00	3.16E-01	1.37E-01	4.39E-01	1.51E-01
POCP: Photochemical oxidant creation potential	kg-C_2H_4eq	2.06E-02	1.70E-03	2.63E-03	7.05E-03	4.91E-04
Optional indicators						
ADP - elements	kg-Sbeq	5.01E-01	4.79E-04	1.00E-04	7.13E-02	4.58E-05
GWP - aircraft	kg-CO_2eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

＞LCI - Primary Resource Use

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
RPR_E*	MJ	3.94E+03	9.83E+02	1.79E+02	1.30E+03	8.83E+01
RPR_M*	MJ	2.39E+01	1.11E-01	2.28E+02	2.82E+01	2.09E-02
$NRPR_E$*	MJ	1.62E+04	3.42E+03	1.30E+03	5.84E+03	4.40E+02
$NRPR_M$*	MJ	2.89E+03	5.03E+00	1.58E+01	1.32E+03	6.22E-01

*RPRE: Renewable primary resources used as an energy carrier, RPRM: Renewable primary resources with energy content used as material, NRPRE: Non-renewable primary resources used as an energy carrier, NRPRM: Non-renewable primary resources with energy content used as material.

＞LCI- Secondary Resources Use

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
SM : Use of secondary material	kg	3.41E+01	1.29E-01	1.06E+00	1.70E+01	1.35E-02
RSF : Renewable secondary fuels	MJ	5.00E+00	8.82E-02	3.31E-01	4.96E+00	8.45E-02
NRSF : Non-renewable secondary fuels	MJ	9.16E+00	3.77E-02	4.99E-01	6.30E+00	7.14E-01
RE : Use of recovered energy	MJ	6.26E+01	1.21E+01	3.19E+00	1.12E+01	1.57E+00

＞LCI - ADP-fossil and Consumption of freshwater

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
ADP - fossil	MJ	1.56E+04	2.89E+03	1.28E+03	4.82E+03	3.70E+02
Consumption of freshwater resources	m^3	1.53E+01	1.53E-01	2.73E+01	1.54E+01	1.75E-01

＞Waste Indicators

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
Hazardous waste disposed	kg	1.68E-03	1.60E-05	3.37E-06	5.03E-03	1.20E-06
Non-hazardous waste disposed	kg	5.23E+01	7.78E-01	3.28E-01	3.47E+00	1.18E+02
High-level radioactive waste	m^3	9.34E-09	1.64E-09	4.30E-10	5.02E-09	2.12E-10
Intmd. and low-level radioactive waste	m^3	9.51E-06	1.67E-06	4.38E-07	5.11E-06	2.16E-07

＞**Description of LCA Results**

・Destination of the product: North America
・Method for calculating the use stage (scenario) ※
- Operating days per month: 20 days/month
- Operating days per year: 240 days/year
- Assumed service life: 5 years
- Total number of printed pages: 835,200 pages over 5 years

※ For the calculation of environmental burdens in the use stage, a scenario was established based on the above conditions to reflect actual user operating conditions.
Print paper required during the use and maintenance stage is not included.
・Sum of the GWP-total: 1,670 kg-CO2eq

●Additional Environmental Information

＞**Additional Environmental Information not related to LCA**

● Assembly of this product and production of major components are carried out at factories certified to ISO 14001.
● The product complies with the International ENERGY STAR Program Version 3.0 standards.
● The product complies with the European RoHS Directive.
● Hazardous waste generated at each life cycle stage is properly treated in accordance with applicable waste-related regulations.

●References

・ISO14025:2006 Environmental labels and declarations — Type III environmental declarations — Principles and procedures
・ISO14040:2006 Environmental management - Life Cycle Assessment - Principles and framework
・ISO14044:2006 Environmental management - Life Cycle Assessment - Requirements and guidelines
・ISO14067:2018 Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification"

●Version History

[October, 14, 2026]: Periodic review of manufacturing burdens and recalculation based on the new Sub-PCR (Imaging Equipment v.9.0.0).