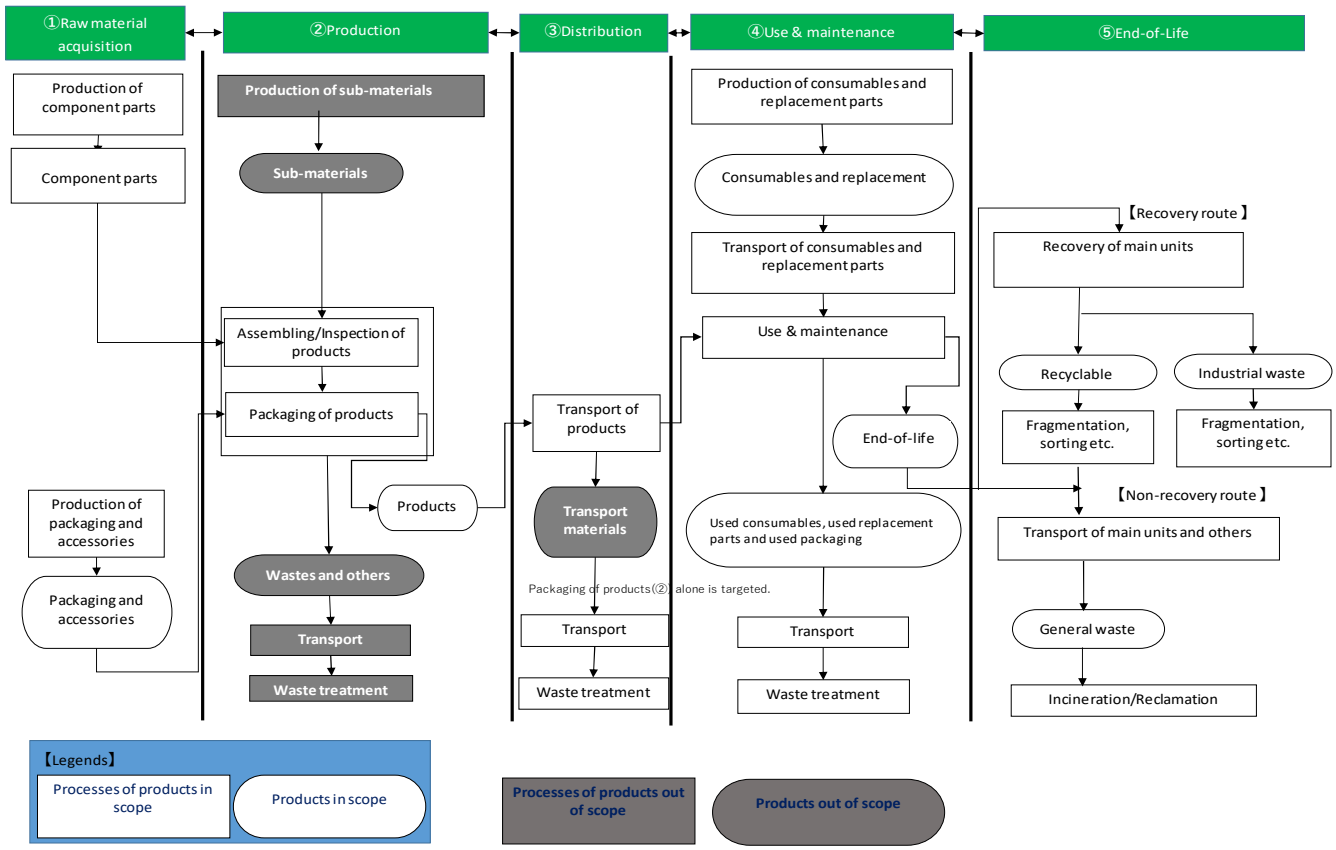
1.Publication date	1/29/2021					
2.Reference number	003					
3.Category	OFFICE, SERVICE INDUSTRY AND HOUSEHOLD MACHINES					
4.Purpose of disclosure	Presenting environmental impacts of a product life cycle using IDEA					
5.Product information	RISO ComColor FT5231 (High-speed color inkjet)  https://www.riso.co.jp/english/ ※This product has a scanner, which is excluded for this calculation					
6.Contact information	https://www.riso.co.jp/english/form/home/inquiryconcerning/					
7.Results of life cycle impact assessment	Total	①Raw material acquisition	②Production	③Distribution	④Use	⑤End-of-Life
Global warming IPCC2013 GWP100a (kg-CO2eq)	2.0E+03	1.0E+03	5.6E+01	7.9E+01	7.1E+02	1.6E+02
Acidification (kg-SO2eq)	1.3E+00	7.6E-01	2.1E-02	9.2E-02	2.4E-01	1.4E-01
Resources consumption (kg-Sbeq)	7.6E-01	7.4E-01	2.4E-04	2.2E-04	1.7E-02	1.6E-04
Interpretation of results	-CO2 emitted the most in the raw material acquisition stage and the 2nd most in the use stage. -Environmental impacts from acidification and resource consumption showed a result similar to the CO2 result.					
8.Secondary data used and its version	IDEA v2.1.3					

9.Stages targeted for the case study	①Raw material acquisition ②Production ③Distribution ④Use ⑤End-of-Life



10.Remarks

① Usage Conditions:
Printing a total of 2,190,000 sheets (A4 size) in monochrome and color modes
(However, environmental impact assessment is not included for manufacturing A4-size papers.)

②Mass of raw materials targeted for the case study: 224kg

③Targeted areas for stages: Japan for Raw material acquisition; Japan for Production; Japan and North America for Distribution; North America for Use; and North America for End-of-life

④Validity period for the case study 07/02/2020～07/01/2025

⑤Conformity standard :ISO14040,ISO14044

⑥Others

Conformed environmental labels: ENERGY STAR Version 3.0, EcoLeaf environmental label program, and EPEAT

Assessment process: RISO KAGAKU CORPORATION's environmental impact assessment