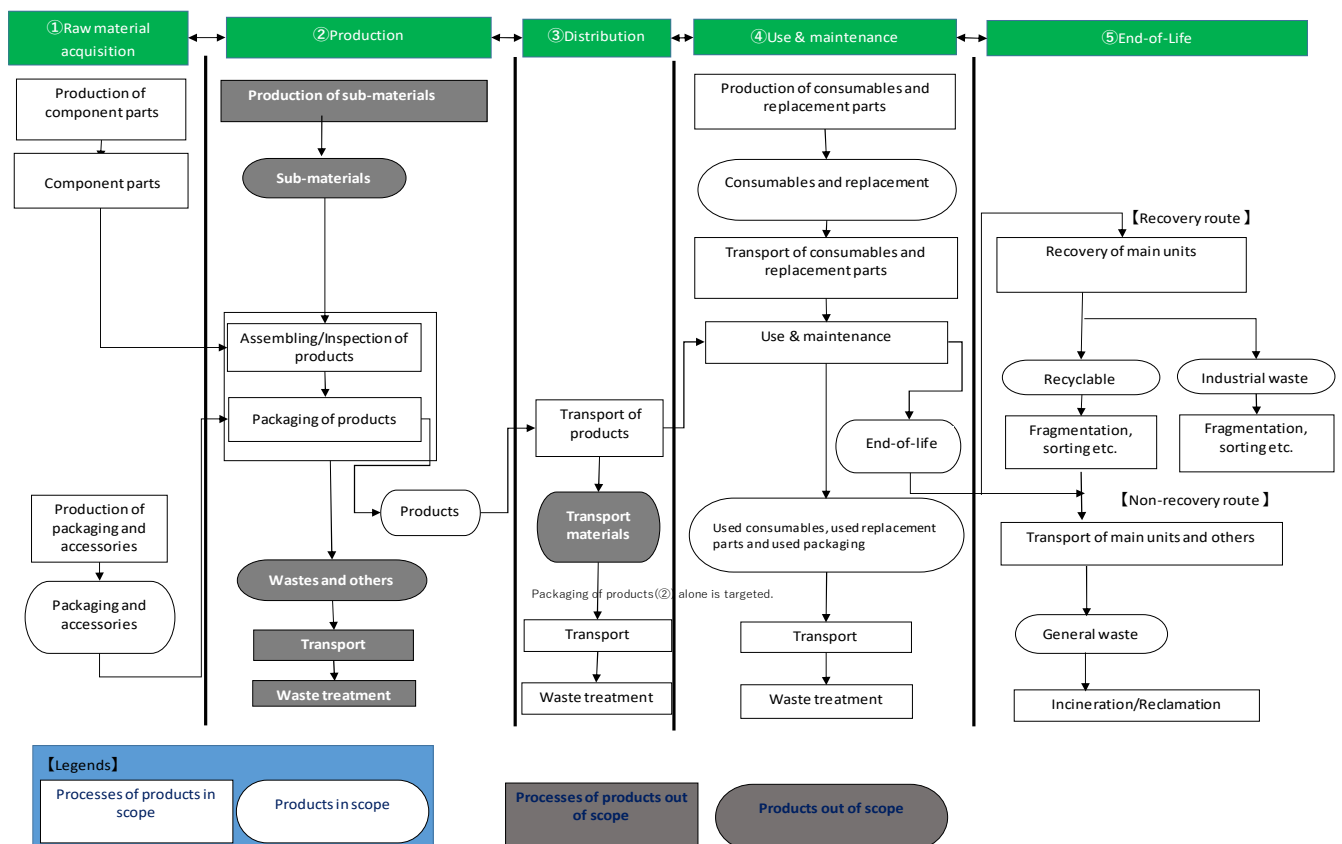


|                                                  |                                                                                                                                                                                                                                                                                                                                   |                           |             |               |         |              |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|---------------|---------|--------------|
| 1.Publication date                               | 1/29/2021                                                                                                                                                                                                                                                                                                                         |                           |             |               |         |              |
| 2.Reference number                               | 002                                                                                                                                                                                                                                                                                                                               |                           |             |               |         |              |
| 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 FT5430 (High-speed color inkjet)                                                                                                                                                                                                                                                                                    |                           |             |               |         |              |
|                                                  |  <br><a href="https://www.riso.co.jp/english/">https://www.riso.co.jp/english/</a><br><br>※This product has a scanner, which is excluded for this calculation |                           |             |               |         |              |
| 6.Contact information                            | <a href="https://www.riso.co.jp/english/form/home/inquiryconcerning/">https://www.riso.co.jp/english/form/home/inquiryconcerning/</a>                                                                                                                                                                                             |                           |             |               |         |              |
| 7.Results of life cycle impact assessment        | Total                                                                                                                                                                                                                                                                                                                             | ①Raw material acquisition | ②Production | ③Distribution | ④Use    | ⑤End-of-Life |
| Global warming<br>IPCC2013 GWP100a<br>(kg-CO2eq) | 2.2E+03                                                                                                                                                                                                                                                                                                                           | 1.1E+03                   | 6.2E+01     | 8.3E+01       | 8.1E+02 | 1.8E+02      |
| Acidification<br>(kg-SO2eq)                      | 1.4E+00                                                                                                                                                                                                                                                                                                                           | 8.0E-01                   | 2.3E-02     | 9.6E-02       | 3.3E-01 | 1.6E-01      |
| Resources consumption<br>(kg-Sbeq)               | 8.5E-01                                                                                                                                                                                                                                                                                                                           | 8.3E-01                   | 2.7E-04     | 2.3E-04       | 2.3E-02 | 1.8E-04      |
| Interpretation of results                        | -CO2 emitted the most in the raw material acquisition stage and the 2nd most in the use stage.<br>-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 2,940,000 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: 263kg

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