

绿色产品管理政策

鵬鼎控股秉持「发展科技，造福人类，精进环保，让地球更美好」的理念，公司在产品可行性评估阶段及产品设计时间依据《环境化设计作业规范》进行无害设计、节能设计、减量设计和回收设计，透过这些设计降低对环境的影响。

原物料采购阶段

- 制定了《环境化设计作业规范》，规定在材料选择上，1) 需使用符合客户要求、通过 UL 认证、符合 RoHS 标准的材料，2) 客户无明确材料要求以无卤素材料进行工程确认，3) 所有项目在量产前均须核对确认使用物料符合法律法规绿色无害材料。
- 建立《选材 E 化系统》进行选材，系统中的材料均通过评估，并符合环保要求。
- 导入回收金、回收锡膏及回收铜的使用。详细回收物料的使用，请见 2022 年可持续发展报告书第 35 页。

产品制造阶段

- 透过提升排版利用率，不仅能在制造阶段增加产出及效率，还能减少原物料的使用及废弃物的产生，并同时降低设备的电力及水资源使用。

产品分销、储存、运输阶段

- 所有包装材料 (TRAY、泡绵、袋子、纸箱、干燥剂、湿度显示卡) 皆选用符合 HF 及 RoHS 的环保材质，如我们选用无钴的环保湿度卡以及矿物材质的蒙脱石干燥剂。
- 减少 TRAY 的材质厚度以及降低无硫纸的重量，以减少原材料的使用量。
- 因所有使用的包材为稳定材质，在运输过程中不会对环境造成影响。外包装箱的印刷油墨也通过 VOC 检测。
- 为推动节能减排及绿色运输，我们实行拼车运输，有效减少车次并提升运输效率。
- 将出货至客户端的 TRAY 及塑料栈板以及于厂内转厂使用的 TRAY、泡绵、塑料栈板进行回收及重复使用，以减少对于环境的冲击。

产品使用阶段

- 为提高产品的耐用性，我们从 3 个方面针对产品的耐挠折性进行改善，包括选择耐挠折性更好的材料、改善产品迭构、增加 Airgap 设计。

产品生命周期结束阶段

- 《环境化设计作业规范》中有定义回收设计，我们在产品设计时，充分考虑产品零部件及材料回收的可能性、价值大小、回收处理方法及技术等一系列的因素，使产品零部件及材料在回收时对环境的影响最小。

沈慶芳

Green Product Stewardship Policy

In line with the philosophy of “Advancing Technology, Benefiting Humanity, Enhancing Environmental Protection, and Making the Earth a Better Place,” Avary Holding Technology Group and its subsidiaries adhere to the "Environmental Design Operation Specification" during the product feasibility assessment and product design stages. This involves implementing designs that are harmless, energy-efficient, lightweight, and recyclable to minimize their environmental impact.

Raw Material Procurement:

- We have established the “Environmental Design Operation Specification,” which requires 1) the use of materials that meet customer requirements, UL certification, and RoHS standards; 2) In the absence of specific material requirements from customers, we conduct engineering confirmation using halogen-free materials; 3) All projects undergo verification to ensure that the materials used comply with legal regulations for green and harmless materials.
- We have implemented the “Material Selection E-system” to choose materials that undergo evaluation and meet environmental requirements.
- We have introduced the use of recycled gold, recycled solder paste, and recycled copper. For detailed information on the use of recycled materials, please refer to page 35 of the 2022 ESG Report.

Product Manufacturing:

- By optimizing layout utilization, we increase production output and efficiency while reducing the consumption of raw materials and waste generation. Additionally, this helps in minimizing energy and water resource usage.

Distribution, Storage, and Transportation:

- All packaging materials (TRAY, foam, bags, cartons, desiccants, humidity indicator cards) are made from eco-friendly materials that comply with HF and RoHS standards. For example, we use cobalt-free environmentally friendly humidity indicator cards and montmorillonite desiccants made from mineral materials.
- We reduce the thickness of TRAY and the weight of sulfur-free paper to minimize the use of raw materials.
- The stable nature of all packaging materials ensures that transportation has no adverse environmental impact. The printing inks used on outer packaging boxes are subjected to VOC testing.
- To promote energy efficiency and green transportation, we implement carpooling to reduce vehicle trips and enhance transportation efficiency.
- We promote recycling and reuse by collecting and reusing TRAYS, plastic pallets shipped to customers, as well as TRAYS, foam, and plastic pallets used internally, thus reducing our environmental footprint.

Product Use Phase:

- To enhance product durability, we improve the product's resistance to bending from three aspects: selecting materials with better bending resistance, improving the product's stacking structure, and incorporating Airgap design.

End of Life:

- The “Environmental Design Operation Specification” defines recycling design. When designing products, we fully consider factors such as the possibility and value of component and material recycling, recycling treatment methods, and technologies to minimize the environmental impact during recycling.