绿色产品管理政策

鹏鼎控股秉持「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，通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 2025 年可持续发展报告书第 40 页。

产品制造阶段

- 通过提升排版利用率，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绕折性进行改善，包括选择耐绕折性更好的材料、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影响最小。

綠色產品

鹏鼎致力于推动回收材料应用及资源循环，并建立绿色产品的量化标准，目前以同时使用回收铜箔、回收铜球 / 铜粉及回收金盐的产品，纳入绿色产品统计范畴。

为持续扩大绿色产品的应用，公司持续投入研发资源，评估回收材料导入产品及制程的可行性；同时优化回收材料的采购与品质管理、制程导入、生产设备及原材料追踪机制，并强化制程控制与品质检测流程，

以确保相关产品符合产品品质及客户需求。公司亦持续推动节能减碳及节水措施，包括提升能源使用效率、导入节能设备、优化生产制程、提高水资源使用效率及推动制程用水回收再利用，以支持产品以更具可持续性的方式生产。此外，公司持续与供应商及客户合作，推动回收材料的稳定供应与绿色产品的应用，并通过跨部门协作及内部教育训练，提升研发、工程、制造、品质、采购及业务人员对绿色产品标准及回收材料应用的理解。

2025 年，依据上述标准，相关产品占产品总数约 33%，产品营收占总营收约 11.1%。鹏鼎已设定 2026 年绿色产品占产品总数达 34%以上的目标，并将持续通过产品开发、制程改善及市场推广，提升绿色产品的产品数量及营收占比。鹏鼎将绿色产品的销售情形纳入业务管理及营运绩效追踪，并向客户说明相关产品所使用的回收材料及其资源循环特性。绿色产品的销售表现亦纳入业务人员整体绩效评估，作为绩效管理的参考。

Green Product Stewardship Policy

Guided by the philosophy of "Advancing Technology, Benefiting Humanity, Enhancing Environmental Protection, and Making the Earth a Better Place," Avary Holding incorporates environmentally friendly design, energy-efficient design, material-reduction design, and design for recycling into the product feasibility assessment and design stages in accordance with its Environmental Design Operating Guidelines, thereby reducing the environmental impacts of its products.

Raw Material Procurement

- Avary has established the Environmental Design Operating Guidelines, which require that: (1) selected materials meet customer requirements, obtain applicable UL certification, and comply with RoHS requirements; (2) where customers do not specify material requirements, halogen-free materials are used for engineering validation; and (3) before mass production, all projects verify that the materials used comply with applicable laws and regulations and meet relevant environmental requirements.
- Avary has established a digital material selection system. All materials included in the system have been evaluated and meet applicable environmental requirements.
- Avary has introduced the use of recycled gold, recycled solder paste, and recycled copper. For further information on the use of recycled materials, please refer to page 40 of the 2025 Sustainability Report.

Product Manufacturing

- By improving panel utilization, Avary increases production output and efficiency while reducing raw material consumption and waste generation. These improvements also reduce the electricity and water consumed by production equipment.

Product Distribution, Storage, and Transportation

- All packaging materials—including trays, foam, bags, cartons, desiccants, and humidity indicator cards—are made from environmentally friendly materials that comply with halogen-free (HF) and RoHS requirements. Examples include cobalt-free humidity indicator cards and mineral-based montmorillonite desiccants.
- Avary reduces the thickness of trays and the weight of sulfur-free paper to decrease raw material consumption.
- The packaging materials used are stable and do not pose environmental risks during transportation. The printing inks used on outer cartons have also passed volatile organic compound (VOC) testing.
- To promote energy conservation, emissions reduction, and green transportation, Avary consolidates shipments to reduce the number of trips and improve transportation efficiency.
- Avary collects and reuses trays and plastic pallets shipped to customers, as well as trays, foam, and plastic pallets used for transfers between its facilities, to reduce environmental impacts.

Product Use

- To improve product durability, Avary enhances bending resistance by selecting materials with better flexural performance, improving product stack-up design, and incorporating air-gap designs.

End-of-Life Stage

- The Environmental Design Operating Guidelines include requirements for design for recycling. During product design, Avary considers factors such as the recyclability and recovery value of product components and materials, as well as available recycling methods and technologies, to minimize environmental impacts when products and materials are recovered at the end of their useful lives.

Green Products

Avary is committed to promoting the use of recycled materials and advancing resource circularity. The Company has established quantitative criteria for green products. Currently, products that simultaneously incorporate recycled copper foil, recycled copper balls or copper powder, and recycled gold salts are included within the scope of green product calculations.

To continuously expand the application of green products, the Company continues to make capital and operating investments in research and development to assess the feasibility of incorporating recycled materials into its products and manufacturing processes. It also strengthens the procurement and quality management of recycled materials, process integration, production equipment, and raw material traceability mechanisms, while enhancing process controls and quality inspection procedures to ensure that relevant products meet quality standards and customer requirements.

The Company also continues to invest in infrastructure and process improvements and implement energy-saving, carbon-reduction, and water-conservation measures, including improving energy efficiency, introducing energy-efficient equipment, optimizing production processes, enhancing water-use efficiency, and recycling and reusing process water. These measures support the production of products in a more sustainable manner.

In addition, Avary collaborates with suppliers and customers to promote the stable supply of recycled materials and the broader adoption of green products. Through cross-functional collaboration and internal training, the Company enhances employees' understanding of green product criteria and recycled material applications across research and development, engineering, manufacturing, quality management, procurement, and sales functions.

In 2025, products meeting the above criteria accounted for approximately 33% of the Company's total number of products and approximately 11.1% of its total revenue. Avary has set a target for green products to account for at least 34% of its total number of products in 2026. The Company will continue to increase the number of green products and their share of revenue through product development, process improvements, and market promotion.

Avary incorporates green product sales into its business management and operational performance monitoring and communicates to customers the recycled materials used in these products and their resource-circularity attributes. Green product sales performance is also considered as part of the overall performance evaluations of sales personnel.