

In line with the philosophy of “Advancing Technology, Benefiting Humanity, Enhancing Environmental Protection, and Making the Earth a Better Place,” Zhen Ding 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 43 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.

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