

3.2 Product Quality

Continuous improvement and the pursuit of excellence have always been part of GlobalWafers' corporate culture and spirit. The Company is committed to providing excellent quality, technology, and comprehensive services to enhance the competitiveness of its products and services. We grow together with our customers, pursue excellence together with our employees, create value for our shareholders, and are committed to sustainable business operations.

To ensure the effective implementation of its business strategies, the Company has established a [Quality Policy](#) based on its quality principles as a code of conduct for all employees. We are committed to continuous improvement in all aspects, pursuing excellence in quality and technology, and aiming to provide zero-defect products and services. In addition, Article 14 of the "[Procedures for Ethical Management and Guidelines for Conduct](#)" stipulates relevant requirements for preventing products or services from harming the rights, health, and safety of stakeholders, as well as ensuring product compliance.

Enhancement of Company Improvement Culture

GlobalWafers actively promotes quality management across all sites. Through continuous improvement in all aspects and process technology enhancement, the Company improves product quality and competitiveness. Each site has established a Quality Improvement Team (QIT), composed of cross-functional professionals dedicated to process optimization and quality improvement.

QITs continuously focus on innovation and R&D, cost-effectiveness improvement, lean production, customer satisfaction enhancement, customer complaint analysis and improvement, and the strengthening of quality indicators. By continuously pursuing excellence, the teams are committed to building a high-quality product image. With zero defects as our ultimate goal, we continuously improve, grow together with our customers, and strive to become their partner of choice.

At the 2025 Taiwan Continuous Improvement Award (TCIA), GlobalWafers received one Gold Tower Award and one Bronze Tower Award. GlobalWafers will continue its relentless pursuit of continuous improvement and process excellence.



United Crystal Forging Team
Gold Tower Award

Improvement Project: Significant Breakthrough in 150 mm Gallium Arsenide Ingot Productivity



Crystal Flatness Excellence Team
Bronze Tower Award

Improvement Project: Optimization of Epitaxial Silicon Wafer Flatness



Strengthening the Company's Management of Hazardous Substances

To ensure compliance with international hazardous substance regulations and customers' green procurement requirements, reduce the environmental impact of its products, enhance product competitiveness, and fulfill its corporate social responsibility, GlobalWafers has established a Green Procurement Policy and a Conflict Minerals Policy.

Green Procurement

To fulfill its responsibilities as a global corporate citizen, GlobalWafers actively participates in green procurement and requires its suppliers to comply with the following principles:

- Commit to supplying environmentally friendly products that comply with applicable domestic and international regulations, including RoHS, REACH, and WEEE.
- Give priority to the procurement of products with environmental labels designated by environmental authorities, such as office supplies, computers, and electrical equipment. Examples include products certified with Energy-Saving Labels, Water-Saving Labels, Green Building Material Labels, and other environmental protection certifications. When necessary, suppliers shall provide test reports issued by independent third-party certification organizations as evidence that hazardous substances are not used in the supplied products.

Conflict-Free Minerals Policy

As a responsible corporate citizen, GlobalWafers is committed to fulfilling its social responsibilities and respecting human rights. The Company remains attentive to issues related to conflict minerals and is committed to conducting thorough supply chain due diligence to ensure that metals such as gold (Au), tantalum (Ta), tungsten (W), tin (Sn), cobalt (Co), and mica do not originate from mines controlled by armed groups in the Democratic Republic of the Congo and its neighboring countries. Through responsible sourcing practices, GlobalWafers works together with its suppliers to support this commitment.

- GlobalWafers does not procure conflict minerals produced in conflict-affected regions.
- GlobalWafers requires its suppliers and their upstream suppliers not to procure or use conflict minerals originating from conflict-affected areas controlled by armed groups in the Democratic Republic of the Congo and its neighboring countries.

Hazardous Substance Management Methods

- (I) Source Control: Procurement activities follow the Conflict Minerals Policy and Green Procurement Guidelines. Purchase orders specify that suppliers shall comply with the latest version of the Responsible Business Alliance (RBA) Code of Conduct and commit that the supplied products comply with green regulations, including but not limited to RoHS, REACH, and WEEE, and do not use conflict minerals. If raw materials or products involve government-regulated, toxic, or hazardous substances, they shall continuously comply with the latest applicable safety regulations in the supplier's registered location, the Company's registered location, the shipping location, and the receiving location.
- Conflict Minerals Policy: Suppliers and their upstream suppliers shall not procure or use conflict minerals originating from conflict-affected areas.
 - Green Procurement: Fulfilling the responsibility as a global citizen through participation in green procurement.
- (II) GlobalWafers commissions a third-party certification organization each year to conduct testing for hazardous substances in its products. Testing items include RoHS, SVHC, and SONY-00259. All test results have met the applicable requirements over the years.

(III) The Company has established a Hazardous Substance Control Procedure and a Hazardous Substance Control List as shown below.

Control Item	GlobalWafers Compliance Status
RoHS	Compliant
SONY SS-00259	Compliant
REACH Candidate List of Substances of Very High Concern (SVHC)	Compliant
Conflict-Free Minerals	Compliant
Halogen-Free Requirements	Compliant

GlobalWafers strictly complies with international regulations and requirements related to hazardous substances and conflict minerals, and provides relevant information to its customers.

Product Life Cycle Assessment and Management Practices

In line with its commitment to sustainable business operations, GlobalWafers has promoted product life cycle assessments across its 18 operating sites since 2024. The assessments evaluate the impacts and potential effects of inputs and outputs associated with operational activities throughout the product life cycle, including raw material acquisition, product process design, manufacturing and transportation, product use, and end-of-life treatment. The assessments are used to identify significant environmental impacts and serve as the basis for reducing resource consumption at operating sites, lowering anthropogenic greenhouse gas emissions, and continuously improving environmental footprints and pollution prevention measures. At the same time, through stakeholder engagement, GlobalWafers actively encourages upstream and downstream suppliers to participate in sustainability initiatives, with the aim of promoting environmentally friendly products and building a low-carbon value chain for semiconductor materials.

Product Carbon Footprint

Since 2024, GlobalWafers has launched a comprehensive product carbon footprint program covering major products across its 18 operating sites. In accordance with product carbon footprint standards, the Company is gradually obtaining verification statements from qualified third-party verification bodies and increasing verification coverage. Considering the nature of the products manufactured at GlobalWafers' operating sites and the Company's position within the semiconductor value chain, the selected carbon footprint assessment boundary covers the raw material acquisition stage and the manufacturing stage, with the factory gate serving as the system boundary cutoff point. Through third-party verification results, the Company identifies carbon emission hotspots within its products and is committed to continuously reducing carbon footprints across the raw material acquisition and manufacturing stages.

2024	2025	
Taiwan	Taiwan	Overseas
Completed 3 Product Carbon Footprints	Completed 6 Product Carbon Footprints	Completed 14 Product Carbon Footprints