



We implement sustainable consumption and production models through green production and the use of environmentally friendly materials. We promote low-energy factories, striving to become a benchmark of green enterprise.

Manufacturing System Development Direction

● Green Enterprise Promotion

Recently, as the global warming problem becomes increasingly serious, the actual actions of environmental protection are strictly prohibited. As a global corporate citizen, Mean Well actively promotes the ISO 14001 Environmental Management System and The ISO 50001 Energy Management System operating procedures are being gradually promoted to low-energy consumption factories in the hope of upgrading as a green benchmark enterprise.

● E-based Supply Chain Management

It integrates the flow of goods from suppliers of parts to manufacturing plants, dealers, customers, and even consumers through the Internet, and discloses information such as manufacturing, sales, and inventory in the SCM computer system to achieve goods delivery. The function of shortening lead times and reducing inventory is a method to promote operating efficiency Improvement. At present, the integration project of the procurement category of member companies is underway, and E-management will be gradually carried out in the future.

● Continue to Refine MEXUS

Assuming the English word "Nexus" means a connection, a contact, a relationship, a series of links, or a group, etc., each company (TQM), each system (SQM), each function (FQM) in the Mean Well Group (GQM)) and other units, means to merge Meanwell with Nexus into "MEXUS". We should look at the cost-effectiveness and competitiveness of the internal products and services of the MEXUS Group from the perspective of external customers, market environment, and supply chain connections. The person in charge of each unit must watch and think deeply how to connect the processes and ideas of related units, and to improve and inherit each unit endlessly and in line with the longterm vision and mission of MEAN WELL Group (Vision & Mission).

● Establishing a Smart Factory

MEAN WELL has independently developed its own Manufacturing Execution System (MES), which is integrated with the in-house ERP system and production processes. The system actively collects and monitors production data generated during the manufacturing process. Through data analysis, it aims to drive improvements, enhance efficiency, and ensure better quality.

Positioned at the execution level, the MES system manages real-time, segment-based data and provides on-site personnel with timely information to support decision-making.

Green Production: Promote Environmental Protection and Energy Recovery

Source management introduces green design from the design end, effectively improving the effectiveness of resource reuse.

● Promote green design

The packaging material has been changed from Expandable Polyethylene to the design of corrugated cardboard to reduce the source of pollution of the packaging material to the environment, and the cardboard can be recycled and reused to make new items.

● Develop energy recovery system

The Energy Recycling System (ERS-1400/ERG-5000), independently developed and designed by MEAN WELL, recycles and regenerates electricity originally consumed during the burn-in testing process in production. With an impressive energy-saving efficiency of up to 81%, the system not only significantly reduces the high electricity costs of burn-in testing, but also contributes to the reduction of greenhouse gas and harmful emissions.

● Promote process optimization

Since 2015, the PCBA short-leg operation process has been introduced. In addition to reducing the emission of tin fume from dip soldering, it also improves product yield and production efficiency.



International Certification

With the rise of environmental awareness, people have come to realize the importance of cherishing the environment and conserving limited resources. As a result, environmental protection has gradually evolved into regulations and laws across various countries, giving rise to numerous international certification systems.

To comply with these laws and obtain necessary certifications, MEAN WELL has continuously strived to enhance its manufacturing technologies and product value. Since 2002, the company has systematically managed compliance with regulations such as RoHS, WEEE, REACH SVHC, EPA, ErP, and EISA/DoE. In recent years, MEAN WELL has also obtained certifications including ISO 9001, ISO 14001, ISO 45001, ISO 50001, and ISO 13485.

Green Supplier Management

The issue of global warming is becoming increasingly severe, and any effort that helps mitigate environmental impact and promote energy saving and carbon reduction is a key focus for MEAN WELL.

From a procurement and supply chain perspective, prioritizing local suppliers to achieve localized services and reduce unnecessary carbon emissions has always been a continuous goal.

Currently, aside from the Taiwan facility—where cross-strait joint production has increased the import ratio of CKD (Completely Knocked Down) materials—the local procurement ratios at the Guangzhou and Suzhou factories have improved compared to 2022, indicating MEAN WELL’s consistent efforts in this direction.

As of the 2024 statistics, the group’s overall local procurement ratio has reached 96%, with the following regional breakdown:

Region	Annual	2023		2024	
	Procurement Area	Nr.	Ratio of the purchase amount to the total purchase amount	Nr.	Ratio of the purchase amount to the total purchase amount
Taiwan factory	Domestic	104	92.9%	104	92.9%
	Foreign	8	7.1%	8	7.1%
Guangzhou factory	Domestic	146	97.1%	142	97.8%
	Foreign	4	2.9%	21	4.1%
Suzhou factory	Domestic	143	98.6%	150	99.2%
	Foreign	6	1.4%	14	0.8%

Note: Only data of the Taiwan, Guangzhou, and Suzhou factories are disclosed, and no information about the Netherlands in Europe, California in the United States, or Bangalore in India.

Green Supply Chain Management

As early as 2004, during the initial promotion of RoHS by the European Union, MEAN WELL began implementing actions to ensure product compliance with RoHS regulations and made public declarations accordingly. The company established a management framework for restricted substances and gradually incorporated requirements such as RoHS, REACH SVHC, PAHs, China VOC, and Conflict Minerals into its management system, while continuously monitoring the progress of relevant conventions and protocols.

To ensure effective source management, MEAN WELL not only requires suppliers to sign related declarations guaranteeing their products comply with restricted substance standards, but also conducts strict reviews and inspections starting from the R&D stage, including during design and component replacement processes. The Component Engineering Department performs annual spot checks on newly added restricted substances, with a particular focus on high-risk component management.

MEAN WELL implements a green supply chain-based procurement management system, with digital management of supplier guarantees, declarations, and test reports. Suppliers are proactively notified before document expiration and must fully comply with the restricted substance management plan, continuously providing appropriate and regularly updated compliance documents.

Since initiating our ESG (Environmental, Social, Governance) program, we continue to encourage more supplier partners to align with ESG principles. A sustainable supply chain remains the ultimate goal for MEAN WELL and our partners.

