



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**

In recent years, as the problem of global warming has become more and more serious, the actual actions of environmental protection are even more urgent. As a global corporate member, MEAN WELL continues to promote the ISO 14000 system and the operating procedures of environmental and energy management. We will gradually promote low energy consumption factories, hoping to become 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).

- **Establish Intelligent Factory**

Through the improvement of the production process and equipment investment, combined with the automation system composed of machines and humans, the machine

assists the human in production assembly and testing activities, reducing material loss and unnecessary waste. Through the integration of the back-end ERP system, it is possible to collect, store, organize and analyze manufacturing site data in real time, laying the foundation for future automated factories.

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 Recycle burn-in System (ERS), developed and designed by MEAN WELL, regenerates the power lost for the burn-in test, and the energy saving rate is as high as 81%. In addition to saving burn-in Save expensive electricity costs, but also reduce the emission of greenhouse gases and harmful gases.

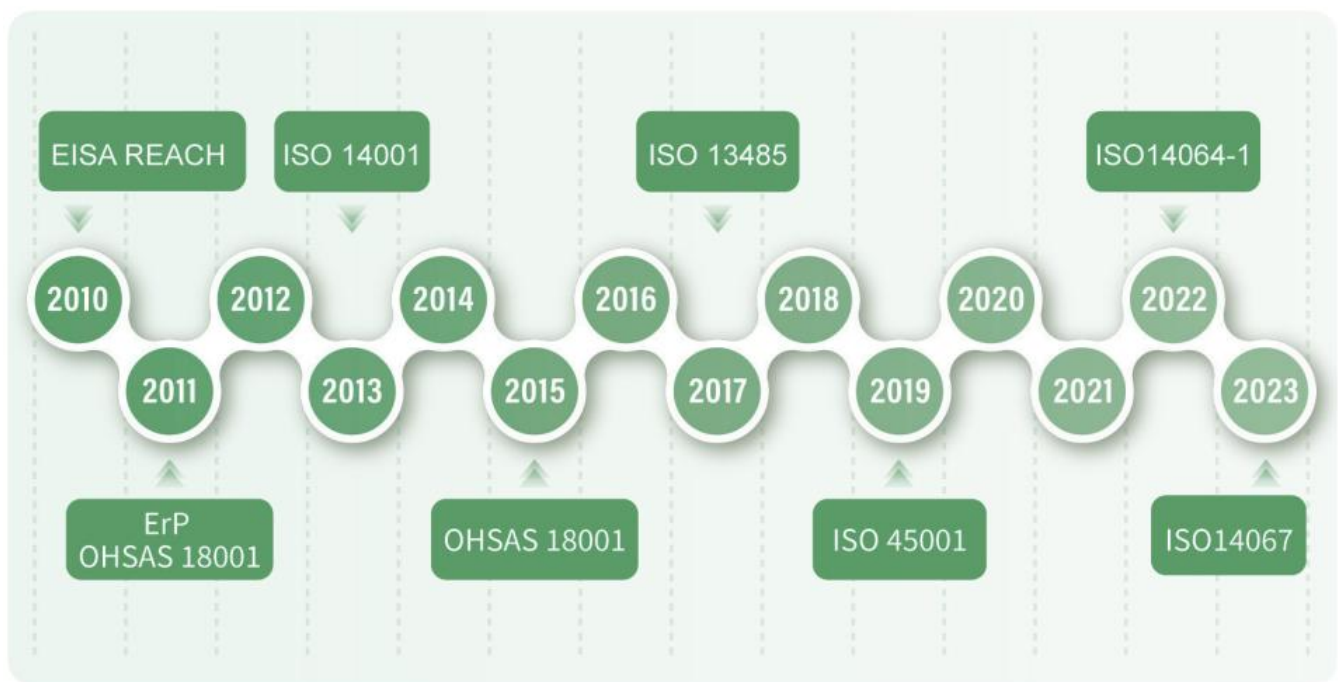
- **Promote process optimization**

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 rising awareness of environmental protection, people realize that the existing environment and limited resources should be cherished. Therefore, the issue of environmental protection has gradually become the laws and regulations of various countries, and various trans-international certification systems have been derived. In order to meet the requirements of laws and regulations and pass the certification, MEAN WELL has been tirelessly improving production technology and product value. Since 2002, we have fully managed RoHS, WEEE, REACH SVHC, EPA, ErP and EISA/DoE and other laws and regulations, and in recent years have obtained ISO 45001, ISO 13485, ISO14064-1 and ISO14067 certifications.



Green Supplier Management

The problem of global warming is becoming more and more serious. Any option that helps to alleviate environmental impacts, save energy and reduce carbon emissions will be the direction of MEAN WELL's efforts. As far as the procurement supply chain is concerned, localized suppliers are given priority to achieve localized services, and reducing unnecessary carbon emissions has always been the direction of continuous procurement efforts. At present, the proportion of our local purchases at the Taiwan factory and Suzhou factory (calculation method: the ratio of the number of local suppliers who can accept orders to the number of local suppliers) is an improvement on the data of 2021, which shows that MEAN WELL has been working hard in this direction. MEAN WELL's procurement contracts mainly focus on finance (raw materials). The local procurement situation in each region is as follows:

Region	Annual	2021		2022	
	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	163	89.1%	169	92.2%
	Foreign	12	10.9%	10	7.8%
Guangzhou factory	Domestic	204	96.3%	203	95.9%
	Foreign	9	3.7%	21	4.1%
Suzhou factory	Domestic	192	97.7%	184	98.2%
	Foreign	12	2.3%	17	1.8%

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.