



LAT-3000 LED LAMP AUTOMATIC AGING TEST PRODUCTION LINE

Accelerate aging process

100% online testing

Fast& power saving & high precision

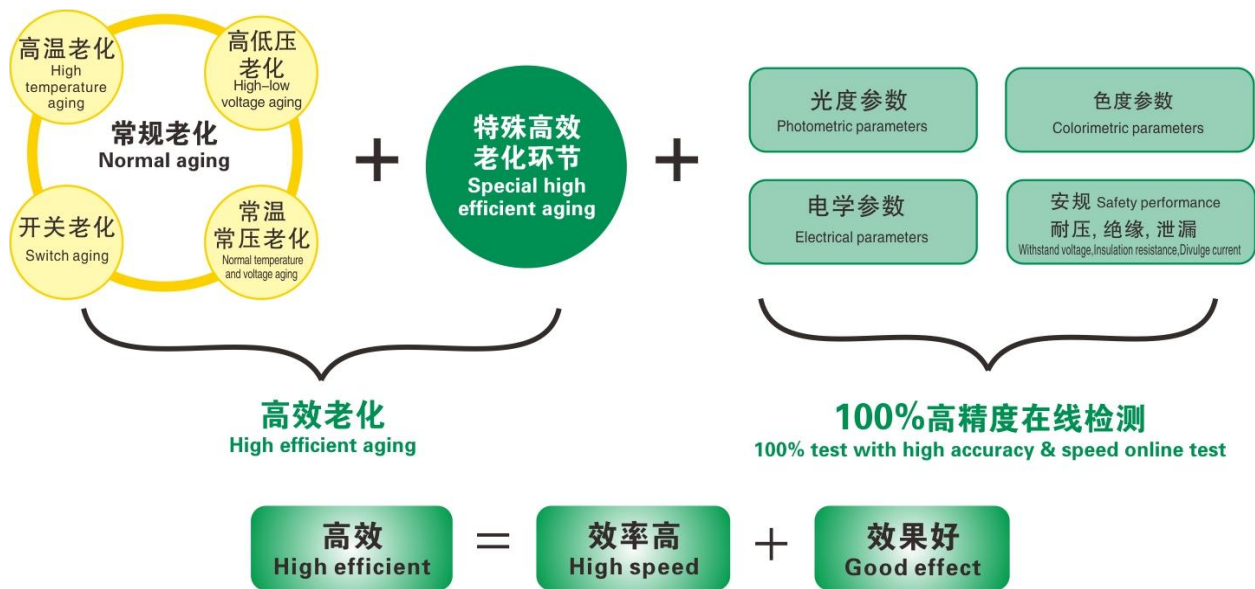
LAT-3000 adopts the special high efficient aging technology to Identify early failure phenomenon as soon as possible. In addition , the systems can realize the rapid & high precision performance measurement through advanced light, color, and electrical rapid analysis methods ,accoding to the test results, it can give the qualifydetermination, indication and packaging automatically

Design concept:

New quality control concept : integrating high efficiency aging and on-line testing.

High efficient aging techonology to accelerate aging process

100% Online testing, realizing more effective product quality control

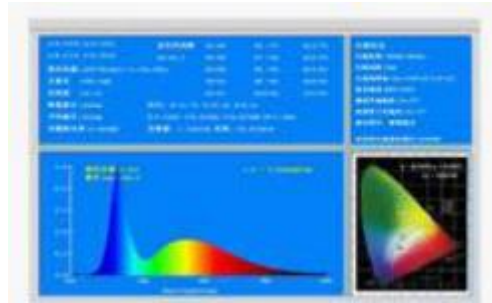


Main functions:

High efficient aging function(aging and early failure automatic test function):

Normal temperature aging, high temperature aging, rated voltage aging, high and low pressure aging, switch aging, roaming aging, special high efficiency aging and so on.

Early failure can be identified as early as possible without damaging the qualified products.



High precision on-line automatic test (analysis test function)

After the aging process, the light source will go to the test process automatically.

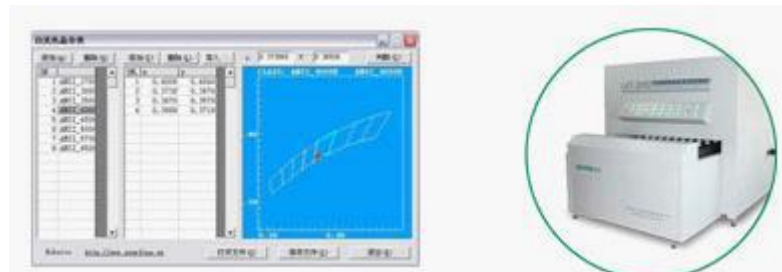
Electrical parameters: current, voltage, power, power factor, etc.

Photometric & chroma parameters: luminous flux, luminous efficiency (lm/w), chromaticity coordinates, color temperature, color purity, wavelength, color rendering index, etc.

Online automatic testing of safety rules: including voltage withstand, insulation resistance, leakage current and so on.

Product qualification determination and automatic grading function

According to the pre-set limit, the system can do quality identification automatically



Identification and data management traceability

The test data of every lamps can be traceable.

It supports data networking, and the tset data can be uploaded to specified locations in a specified format for data management and monitoring .



Model	LAT-3000
System size	15 meters long (adjusted according to actual conditions)
Test speed	Up to 1200 hours / hour (depending on the tested lamps).
Types of applicable lamps and lanterns	LED bulb, spotlight, PAR lamp, candle lamp, fluorescent lamp, LED street lamp, flat lamp, tube lamp, etc.
Type of lamp holder interface	It can be compatible with E27, E26, E24, E17, E14, E12 lamp holder, MR16, GU10, G5, G13 and other mainstream interfaces.
Aging function	It has high and low pressure aging, normal temperature aging, high temperature aging, switch aging, roaming aging, special and efficient aging rings.
Test function	Photometric parameters, chromaticity parameters, electrical parameters, and safety rules
Test power output	2V ~ 300V
Test voltage stability	Less than 0.2%
Measurement precision of voltage and current	$\pm (0.04\% \text{ reading} + 0.01\% \text{ range} + 1)$
Precision of power measurement	$\pm (0.03\% \text{ reading} + 0.02\% \text{ range} + 1)$
Wavelength range	380nm ~ 780nm
Measurement range of luminous flux	0.1lm~200000lm