

yelo

Burn-in Expertise

High power laser diode burn-in

Y2500

ABOUT THE SYSTEM

Yelo's Y2500 burn-in and life test system is designed to test the reliability of high power laser diodes up to 40 Amps. The system is flexible and can be manufactured to suit different types of devices.

BURN-IN

The system performs burn-in stress tests on all laser diodes. The data from these tests can be used to identify and remove defective devices from reaching the end customer.

LIFE TEST

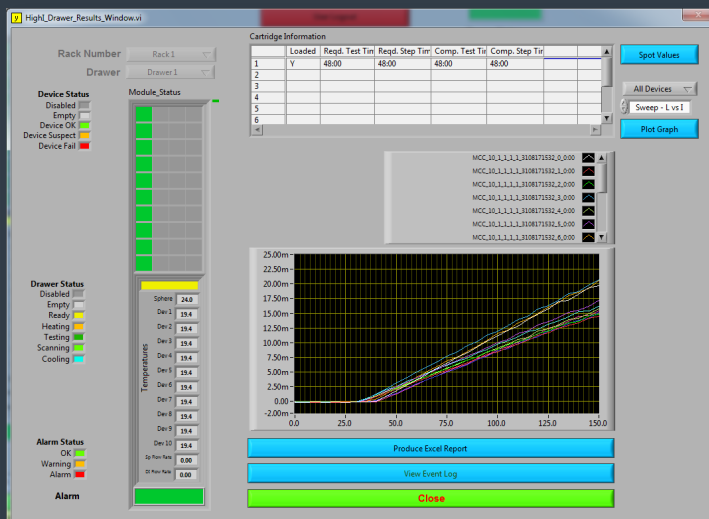
The system can also perform life testing on a representative sample of laser diodes from a wafer. This test data can be used to establish the long-term reliability of the laser.

FUNCTIONAL TESTS

The system software can perform a number of functional tests to monitor any burn-in change in laser performance.

Functional tests include:

- Threshold current (I_{th})
- Linearity
- Wavelength



WE'LL HELP YOU EVERY STEP OF THE WAY

With us you will receive first-class support to make your testing process easy. Our experts will help you when setting up your tests. You can also receive annual on-site visits from us to keep your system fresh and productive.



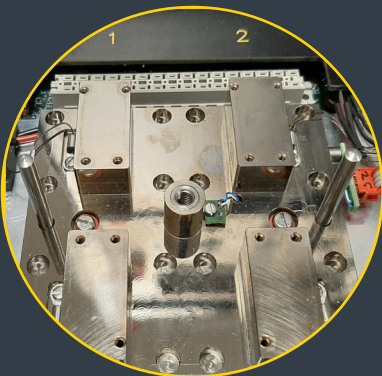
Y2500

System Features & Architecture

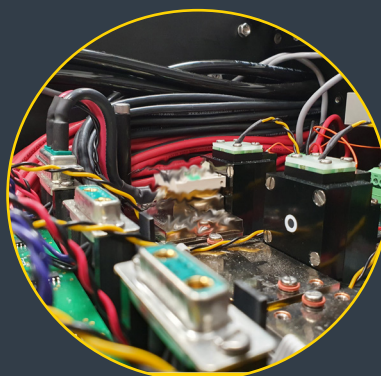
SYSTEM FEATURES

- Ideal for testing high power devices up to 40A
- Test COS, BFLY, C-MOUNT, TOcan & Custom Modules
- Spectrum Monitoring
- TEC/Water Cooling Technology
- Individual Channel Drive
- Up to 80 positions per rack
- Ideal for devices used in the materials processing and high-powered telecoms/datacoms markets
- Used for burn-in, life-test & Vendor Qualification
- Custom built to your specification with NIST standard instruments

ARCHITECTURE



Fixtures



Drawers



Racks

SPECIFICATION

Rack Style	42U
Rack Size	800mm (W) x 1500mm (D) x 2120mm (H)* <small>*exclusive of traffic light</small>
Temperature Range	20-80°C
Temperature Control	TEC/Water Cooling Technology
Maximum Current per Device	40A
Capacity	80 positions