

# Reltech Limited Burn-In and Life Test Capability for Chip-on-Carrier (COC) Laser Devices

◆ The Reltech Limited Chip-on-Carrier test fixture provides a capability for the Burn-In and Life Testing of a wide range of opto-electronic devices and laser components in the Chip-on-Carrier form

◆ **COST SAVINGS** Significant cost savings can be achieved with this method of device testing by removing the cost of packaging sub-standard devices

◆ **SIMPLICITY & EASE OF OPERATION**  
The new technique uses a cassette fixture consisting of a lapped gold plated and polished brass base block. The very flat and smooth surface of the block provides a highly efficient heat transfer and the best possible surface contact area with the DUTs

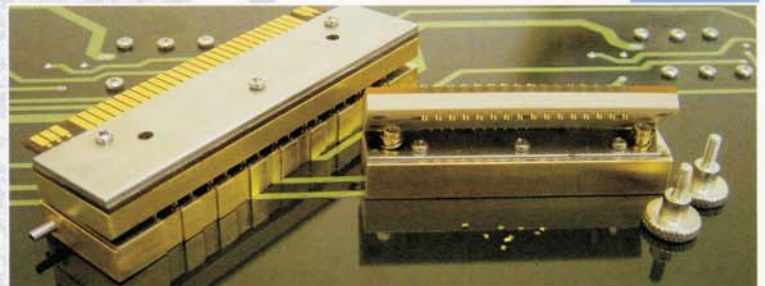
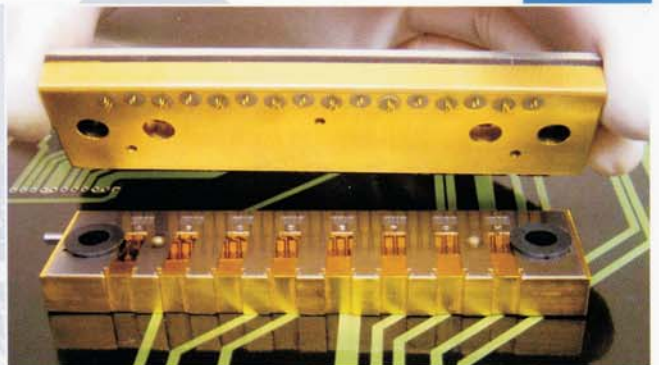
◆ The COC devices are positioned and located on the base block using a precision etched "mask". The mask profile is designed to accommodate the chip profile. Using a top section fixture consisting of an array of high precision contact probes, electrical connection is made to specific pads on the DUT substrate. Each probe is tracked to a "finger plate" providing the facility for applying stimulus and monitoring the DUT performance during the test cycle

◆ **FLEXIBILITY** The loaded cassette can be interfaced with additional test equipment for pre and post-test purposes.

## ◆ **KEY FEATURES**

- Turn Key Solutions
- Customer Driven Design Process
- Integration with current process technology
- Precision Contact Solution

(400 micron minimum contact applications – 2mm x 3mm substrate size. High current capability up to 2A per probe.)



## ◆ **APPLICATIONS & BENEFITS**

- Leading Edge Technology
- High Volume Burn-In
- Reliability Life Testing.
- Fully monitored DUT testing,
- Light Output measurements with 6000 Series System
- Cost Savings - Burn-In before packaging expense
- Can be used with Reltech Limited Hotbloc© System and all Burn-In & Life Test Systems

# Reltech

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