

# Robson Technologies, Inc.

## High Reliability Burn-in Test Sockets

### Reliable Sockets for Reliable Test Results:

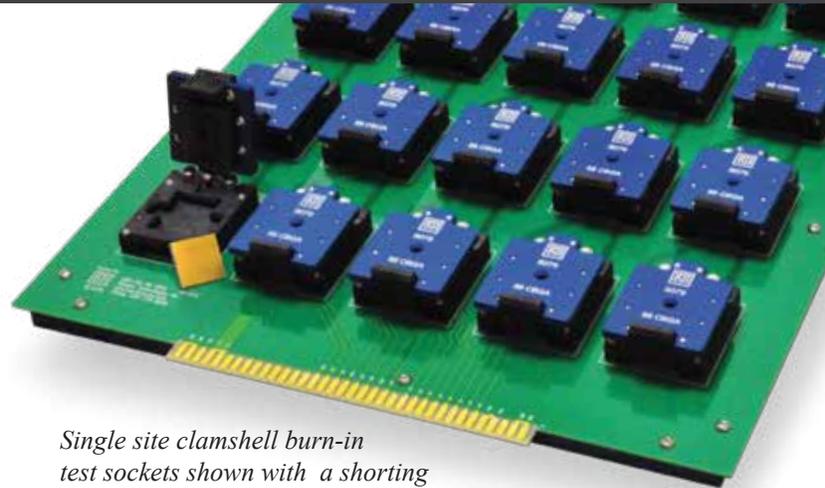
RTI compression mount burn-in test sockets are a high performance, semi-custom machined alternative to injection molded sockets. These batch-manufactured test sockets are designed for all WLCSP, BGA, QFN, LGA, QFP, POP and similar package types with pitches down to 0.3mm and usable in any burn-in oven.

Small form factor clamshell sockets or multi-site test sockets maximize the number of test sites per burn-in board to extend throughput. High durability pogo pins ensure repeated performance after tens of thousands of cycles and can be individually serviced to further extend the lifespan of the test socket.

Innovative design options are also available to address unconventional burn-in and other reliability testing requirements. High-tolerance precision manufacturing ensures every socket is built to specification using a variety of pogo pins and materials for temperatures ranging from -55°C to +200°C. All RTI test sockets go through a rigorous cleaning and inspection process to guarantee reliable performance straight out of the box.

### Long-Term Performance

- ◆ Traditional burn-in sockets rated for +150°C
- ◆ High Temp burn-in sockets rated for ≥200°C
- ◆ Lifespan > 25,000 insertions\*
- ◆ High spring force suitable for lead-free packages
- ◆ Stable contact resistance throughout test
- ◆ Individually serviceable pogo pins and components
- ◆ Innovative design options for custom requirements
- ◆ Cartridge based socket solutions for WLCSP burn-in  
(contact RTI for additional details)



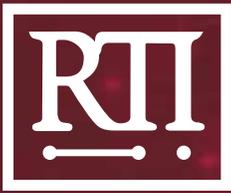
*Single site clamshell burn-in test sockets shown with a shorting block to emulate a DUT during validation test*



*(Above) Compact single site and multi-site burn-in strip sockets.  
(Below) Cartridge Carrier and clamshell socket for WLCSP burn-in.  
Both are designed to reduce cost per test-site and maximize uptime.*



*\*Actual lifespan is based on the cleanliness of the test environment, observing recommended ramp-up and ramp-down times, and careful operator handling.*

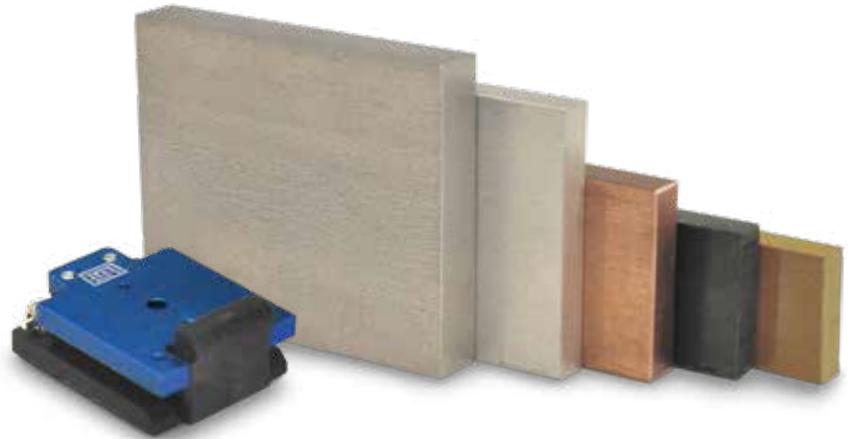


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### High quality materials

Robust metals and plastics capable of reaching extreme temperatures ensure the performance and longevity of the test socket and burn-in board. The final materials used are based on operating temperature range and humidity test requirements, outgassing restrictions, and the electrical characteristics of the DUT.



### High degree of Customization

Ensuring the test socket is designed specifically to your DUT and burn-in test requirements is the first step in ensuring long term reliability. Discuss your technical requirements and review design options with an RTI engineer to create a socket that includes all your wants and needs so that you can focus on the reliability of your DUT, not the socket.

