



# Robson Technologies, Inc.

## Flat Top Socket Convertible (FTSC)

### Multi-Purpose FTSC Product Overview:

This multi-purpose test socket solution allows testing of IC packages and WLCSP devices in two different configurations. First as a stand alone DUT loaded into a test socket, second as a DUT reflowed onto a coupon/carrier board with a test pads that match the DUT footprint.

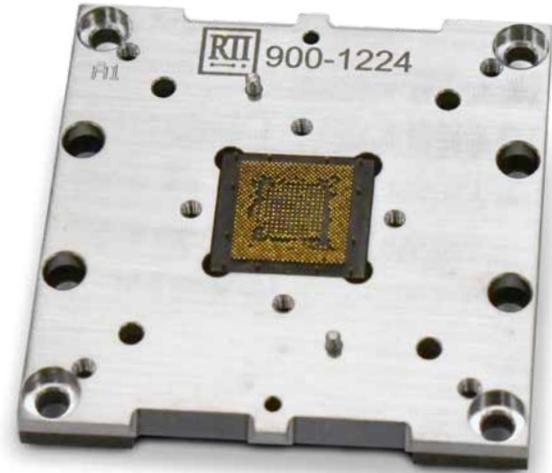
Coupon/carrier boards screw down to the flat top socket base and provide complete unobstructed access to the surface of the DUT; necessary for some die level product analysis requirements such as SIL inspection. The flat-top socket base includes dowel pins for precise alignment of coupon boards to the pin array.

The conversion kit includes a “Floating Base” and “cover” which are installed onto the socket base, converting the non-floating base flat top test socket into a traditional floating base IC test socket. The floating base, drilled in the same pattern as the pinout of the socket base, allows balled devices to align to the recessed pin tips before compression force is made.

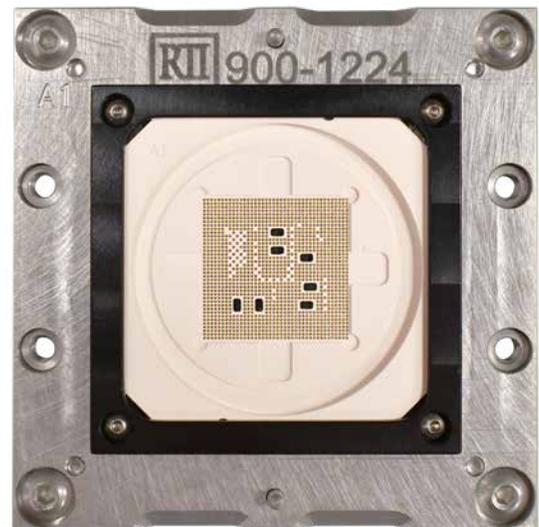
### Convertible to fit your test application:

Ideal for Failure Analysis and reliability test engineers using SIL inspection methods requiring a lens to make direct contact with the die, and hand test applications

- ♦ Capable of testing device pitches down to 0.3mm
- ♦ Full, unobstructed access to package or CSP when reflowed onto a coupon/carrier board
- ♦ Floating base test socket configuration compatible with open top FA lids, RTI’s sapphire windows lids and clip on removable lids
- ♦ Coupon/carrier boards with 1:1 DUT footprint align pads to pins using dowel pins in the socket base
- ♦ Useful in a variety of FA applications where hand test and SIL inspection are required.



Flat Top Socket for use with coupon/carrier boards that share a 1:1 footprint with the DUT.

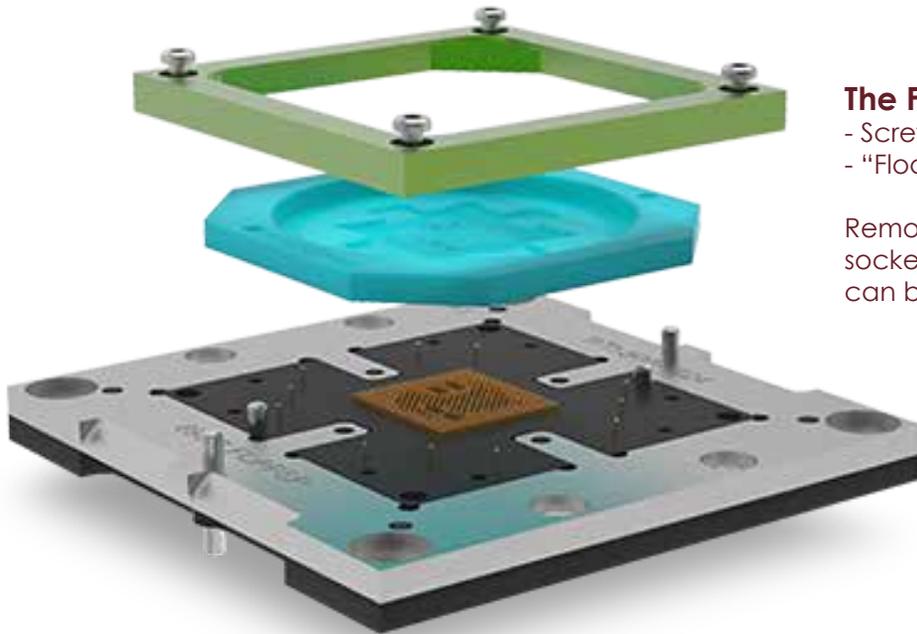


Floating Base Test Socket Configuration with conversion kit installed



# Robson Technologies, Inc.

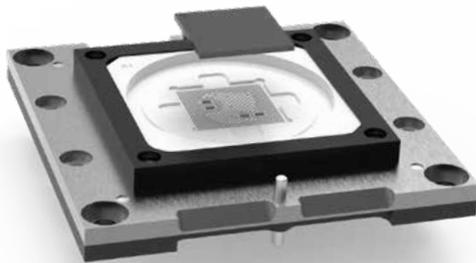
## Flat Top Socket Convertible (FTSC)



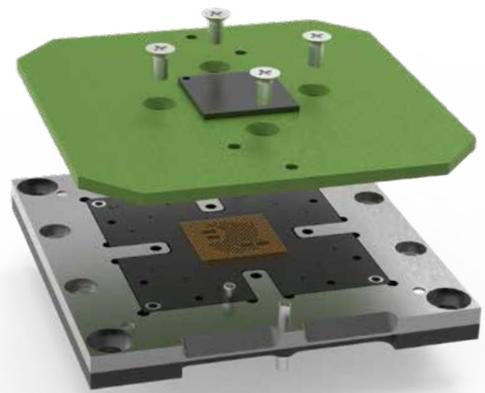
### The FTSC Conversion Kit includes:

- Screw-down "cover" to retain floating base (green)
- "Floating base" to align and hold DUT (blue)

Removal of the conversion kit returns the FTSC socket to a state where coupon/carrier boards can be tested.



Fully converted floating-base test socket. Compatible lids include screw-down open and closed-top and sapphire glass windowed.



Flat Top Test Socket configuration for use with coupon/carrier boards. Carrier boards screw down to the socket base and nothing sits higher than the surface of the device