

Mission Critical Applications Rugged Production Ready Testing...

In-circuit testing is the most important step in printed circuit board manufacturing. The test fixtures must be robust, reliable and delivered on time. We developed our vacuum box to be easily customizable to cover as large a range of boards without impacting turn around time.

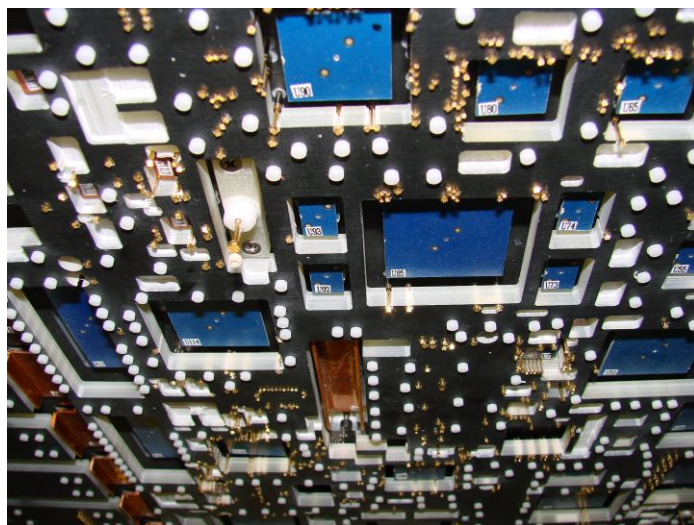
Large boards on an extended kit can always be accommodated.



Probing Integrity...

- Accuracy
- Repeatability
- Reliability

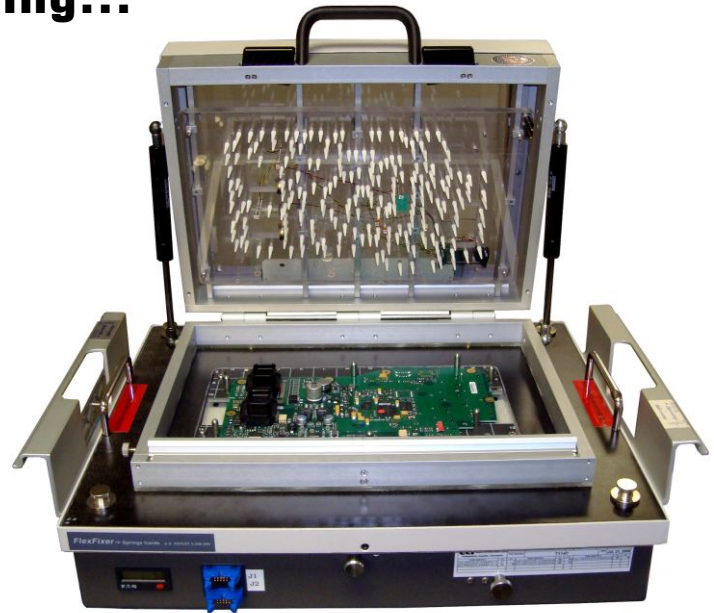
The **Pinnacle vacuum box** developed with over a half inch of vertical travel allows more accurate placement of board supports thus keeping the board planar. Our **Quick Plate**® "Guided" probing technology and patent pending floating jumper plate using precision alignment features make probing of **0.018"Ø topside** targets and **0.016"Ø bottom side** targets possible.



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Heavy duty **mechanical hold down** gates:

- Adjustable rails
- Station / G10 plates which provide more accurate placement of board supports
- Ideal for low to medium probe counts



Mechanical drive units easily allow for:

- Tall components on either side of the UUT
- Excessive heat generated during test
- Probing both sides of the UUT
- Manual side access units

Interface adapters allow the use of ICT fixtures on alternate ICT test systems.

- Z18xx to Teradyne TestStation
- Z18xx to GenRad 228x
- Z18xx to DigitalTest Sigma and Omega
- GenRad 228x to Spectrum
- Others available up request



A few of the available **Circuit Check** features:

- Patented Dual Stage fixture designs
- Dual Sided probing with top side "floating" jumper plate
- **Barcode Readers** built into hold down assemblies
- **Chameleon** Easy Change kit
- **Heat dissipation**
- **LED** Color sensing
- X-Probe fixture designs
- CCI's Quick Plate[®] guided probe technology
- "Quick Check[™]" interface identification
- Pneumatic and Pin driven Side Access Units
- Custom **sensor plates** for Agilent and Teradyne
- Switch probes to sense component presence and orientation
- Experts with Agilent's Bead Probe Technology[®] and Teradyne Test Access Component TAC probing
- Wireless ICT Test Fixture technology



Barcode readers mounted on fixture



Chameleon Easy Change kit

Testers Supported:

Agilent

- ▶ 307x

Aeroflex

- ▶ 42xx

Checksum

SPEA

Teradyne

- ▶ TestStation 12x

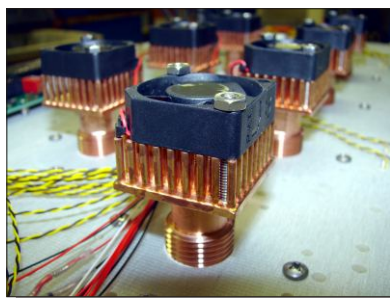
- ▶ Spectrum 885x

- ▶ Z18xx

- ▶ GenRad GR228x

Test Research Inc. TRI

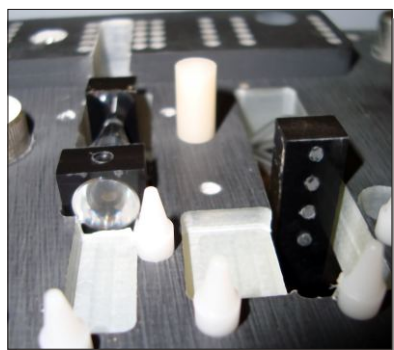
- ▶ TR8xxx



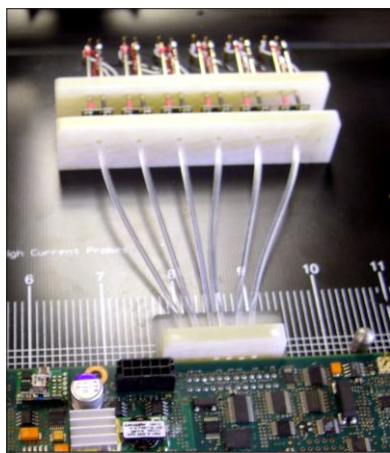
Heatsinks mounted through a vacuum box



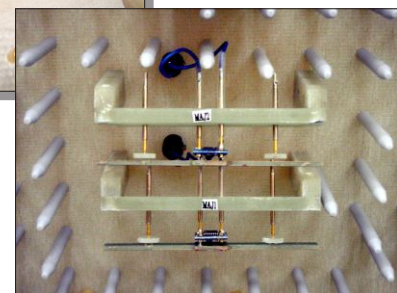
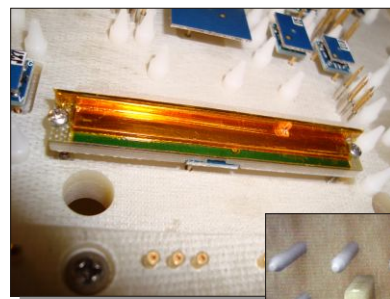
Custom **sensor plates** that wrap around components



Light funnels



Light pipes fanning out LED light waves to **LED sensors**



Sensor Plates contacting DIMM mounted at 67°