



The One You Choose For COTS Component Testing

With over 40 years of component and product testing experience, **Sypris Test & Measurement** has the right equipment, right standards, and right people to meet your critical testing needs.



Billerica, MA

Burlington, MA

Orlando, FL

Phoenix, AZ

Wayne, NJ

▶ **Component Processing for Semiconductor Devices and Plastic Encapsulated Microcircuits (PEM's)**

Today more than ever, even the most humble COTS devices are being called into high reliability and critical applications in the automotive, medical, avionics, and defense industries. You can't test the quality into your finished product, but you can guarantee the component integrity of the devices used in manufacturing.

▶ **Standard Services**

- Component Test and Screening
- Device / Technology Qualification
- Environmental Stress Screening
- Up-screening / Up-rating of IC's to Required Temperatures or Values
- Wafer Probing
- Radiation Screening
- PEM Test & Qualification
- DPA (Destructive Physical Analysis)
- Custom Packaging
- Component Engineering
- Parts Management Services
- Burn-In & Life Testing
- Environmental Testing
- Climatics
- Shock & Vibration
- Salt Atmosphere

▶ **PEM Processing**

- Pre/Post Electrical Test
- Temp Cycling
- Reflow Simulation
- HAST (Biased Temp/Humidity)
- Thermal Shock
- Thermal Cycling
- Burn-In
- Re-Bake of MSD's
- Dry Packing of MSD's
- Preconditioning
- CSAM / Acoustic Microscopy (AM)
- Moisture Resistance

▶ **Quality Compliance/Laboratory Approvals**

- ISO 9001:2000 Registered
- DSCC Suitability
- MIL-STD-750
- MIL-STD-883
- JEDEC - JESD22 Testing
- DoD
- GSI (DCAS) available

▶ **Parts Management Solutions**

- Buy & Screen
- Bonded Stock
- Lifetime Buys
- Obsolescence Solutions
- Materials Management
- Kitting Services

For solutions that work for you, please call us at 800-839-4959.

www.wetest.com

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