



ISO 9001:2008  
AS9100C

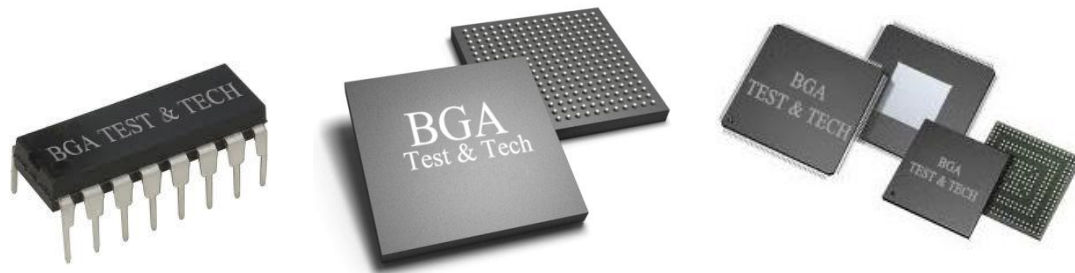
BGA Test & Technology® | Headquarters | 116 Wilbur Place, Bohemia, NY 11716  
Main 631-750-4600 | [team@bgatechnology.com](mailto:team@bgatechnology.com)

# *BGA TEST & TECHNOLOGY OVERVIEW*

BGA Test & Technology is headquartered in Bohemia NY in a 100k sq.ft state of the art facility equipped for Re-balling, RoHS conversion, Re-tinning and Component Testing.

## **Our Services**

- BGA Re-balling/Repair
- RoHS conversions for all types of electronic components
- Lead Tinning / Repair
- Inspection & Counterfeit Detection services
- Electrical Testing & programming
- Temperature Up-Screening
- Warehouse & Fulfillment



# BGA TEST & TECHNOLOGY CERTIFICATIONS



Registered by:  
SAI Global Certification Services Pty Ltd, 288 Gannon Street, Sydney NSW 2050 Australia with QMI-SAI Canada Limited, 20 Canton Court, Suite 200,  
Toronto, Ontario M8P 7Y9 Canada (QMI-USA). This registration is subject to the SAI Global Terms and Conditions for Certification. While all due care  
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INSPIRE. INSPIRE. IMPROVE.



**Pb-Free Electronics  
Risk Management  
(PERM)  
Consortium**



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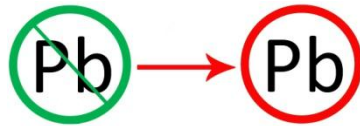
**ESD CERTIFICATION**

**AS9100C CERTIFICATION**

# *RE-BALLING / REPAIR & ROHS Conversions*

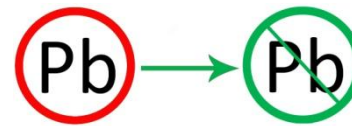
## Converting

Pb-free to Pb



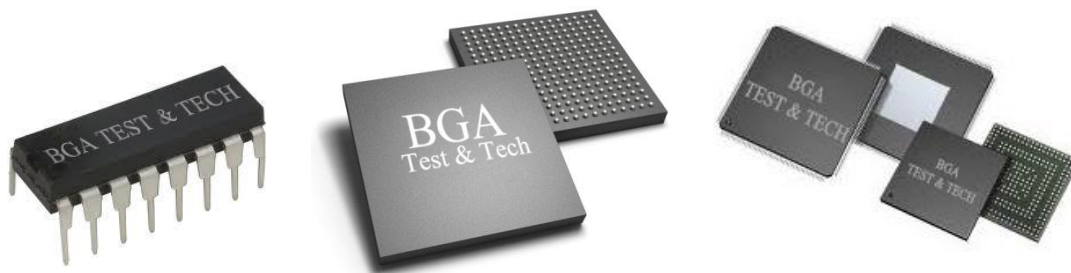
OR

Pb to Pb-free



BGA Test & Technology continuously invests in state-of-the-art equipment and methods to ensure that we maintain the very highest quality service available for the Military, Aerospace and Commercial industries.

With our proprietary jig technology system we provide ball attach services capable of handling any lot size from prototype to production volumes. Extremely fast turnaround times, very low setup costs and an aerospace quality management system allow us to provide industry leading quality and service.

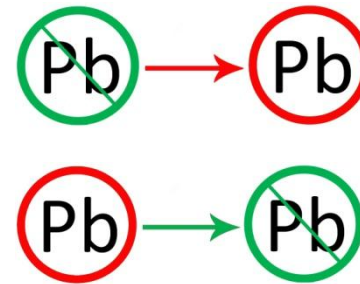


# LEAD TINNING / FINISHING & ROHS Conversions

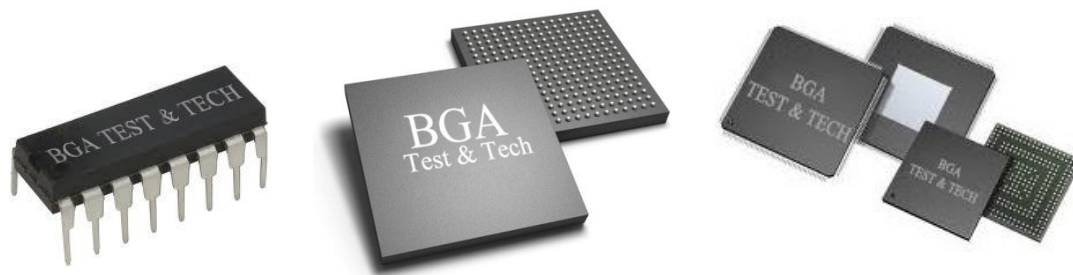
We offer Re-Tinning, RoHS conversions, Lead Forming, Lead Straightening, Co-Planarity testing of devices across various packages like Cerdip's, DIP's, QFP's, PLCC's, PGA's, LCC's, CERPAK and many more.

The BGA system of re-tinning covers the following 5-Step process:

1. Preheat
2. Fluxing
3. Hot-Solder Dipping
4. Forced Air Cool Down
5. Hot DI Water Rinse



Solderability certifications available on all Refinishing services.



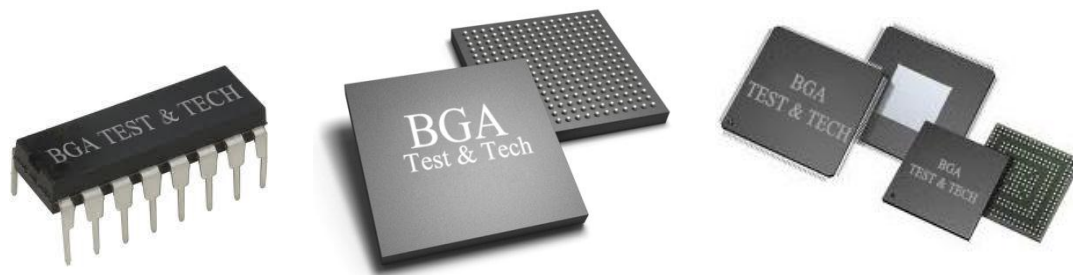
# INSPECTION & COUNTERFEIT DETECTION

BGA Test & Technology offers state of the art Inspection and Counterfeit Detection as per **SAE AS5553** standard including the following services below.

1. Comprehensive Visual & Microscopic Inspection including:
  - Resistance to Solvent Testing
  - Heated Solvent Testing
  - Scrape Testing
2. X-RAY Radiography Analysis
3. XRF Analysis
4. Chemical/Mechanical De-capsulation Analysis
5. Full functional and electrical testing
6. Temperature Up-screening
7. Solderability testing



We maintain an extensive device library of X-Ray, XRF & Die-marking for analysis. All processes include a detailed Certificate of Conformance/Engineering Report.



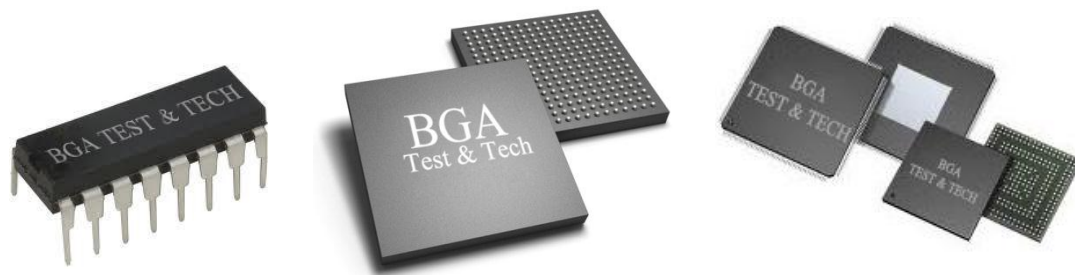
# *ELECTRICAL TESTING & PROGRAMMING*

Capable of testing & Programming following devices	
Diodes , Transistors	EEPROM's, OTP's, FPGA's
Thyristors, SCR's , MCU's	SRAM's, NVRAM's, DRAM's
Resistors, Capacitors	Inductors. Voltage regulators
Analog and Digital Integrated circuits	

Utilizing ATV Digital Tester & PWS Analog Tester

All processes are MIL STD/ SAE AS5553 compliant.

All processes include a detailed Certificate of Conformance/Engineering Report.



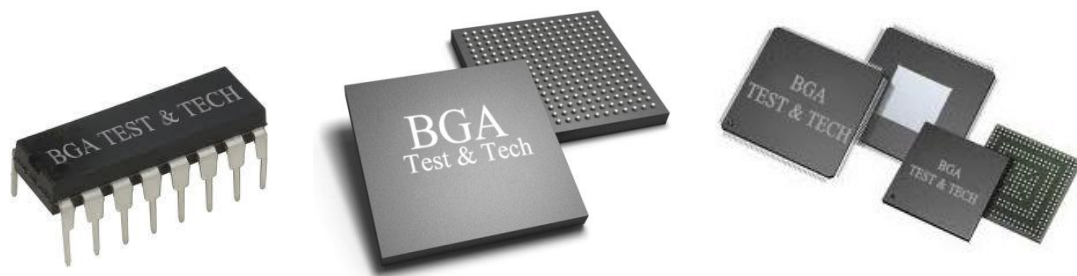
# TEMPERATURE UP-SCREENING & FULL-DATASHEET TESTING

## Capable of Up-Screening all Components from Commercial Temp to Industrial/Military Temp

Diodes , Transistors	EEPROM's, OTP's, FPGA's
Thyristors, SCR's , MCU's	SRAM's, NVRAM's, DRAM's
Resistors, Capacitors	Inductors. Voltage regulators
Flash memories, Analog and Digital Integrated circuits	



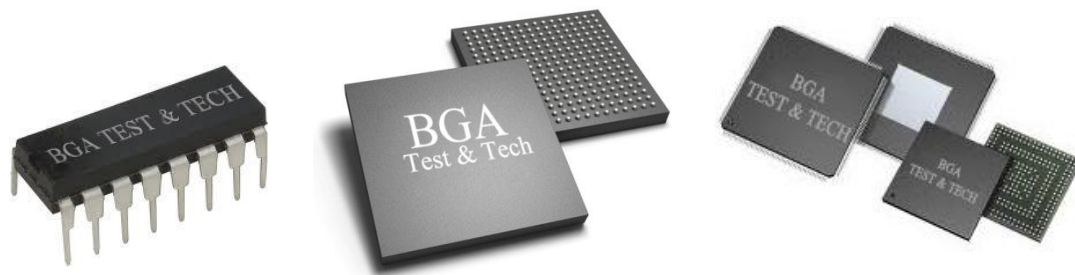
Capable of simulating up to **+200°C** and down to **-75°C** with multiple temperature chambers using the ATV digital tester & PWS analog tester. All processes are MIL STD/ SAE AS5553 compliant. All tests include a comprehensive Engineering Report.



# *WAREHOUSE & FULFILLMENT*

BGA Test & Technology has developed a flexible, cost effective solution to meet individual customer needs of warehousing and fulfillment:

- ESD Certified Warehouse
- Temperature and Humidity controlled
- Secured/ Caged limited access warehouse
- Custom Packaging development based on individual needs
- Flexible shipment schedules
- EDI capability being currently developed

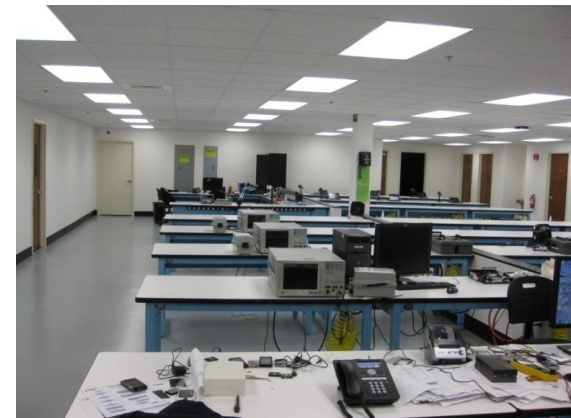


# *CORPORATE HEADQUARTERS & TEST FACILITY*

**Corporate HQ**



**ANSI/ESD-S20.20-2007  
Production Area**



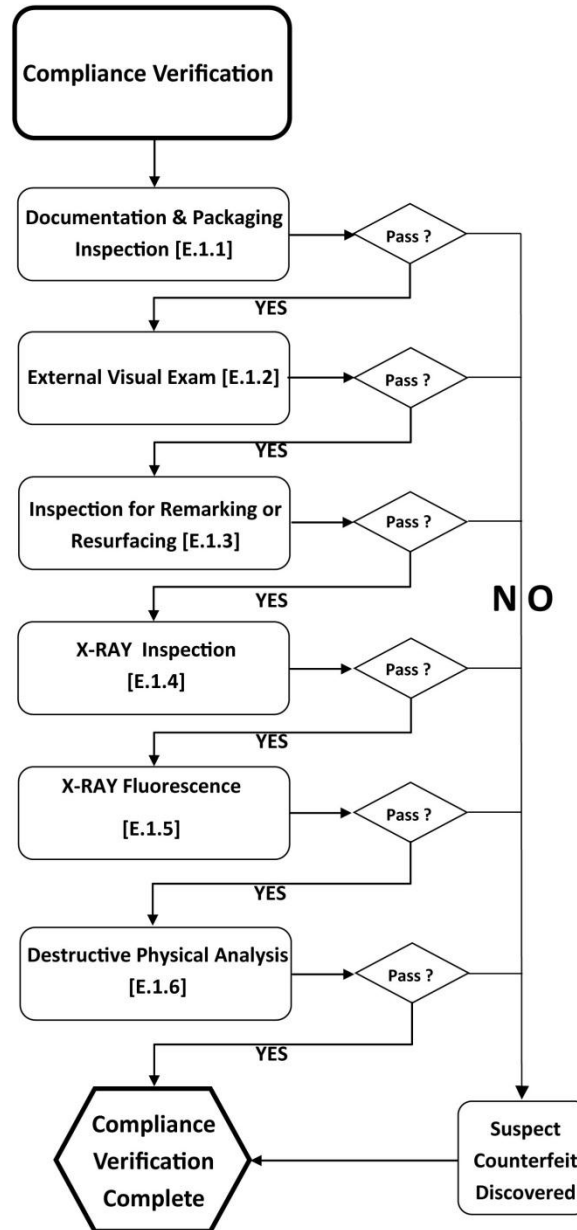
***THANK YOU***



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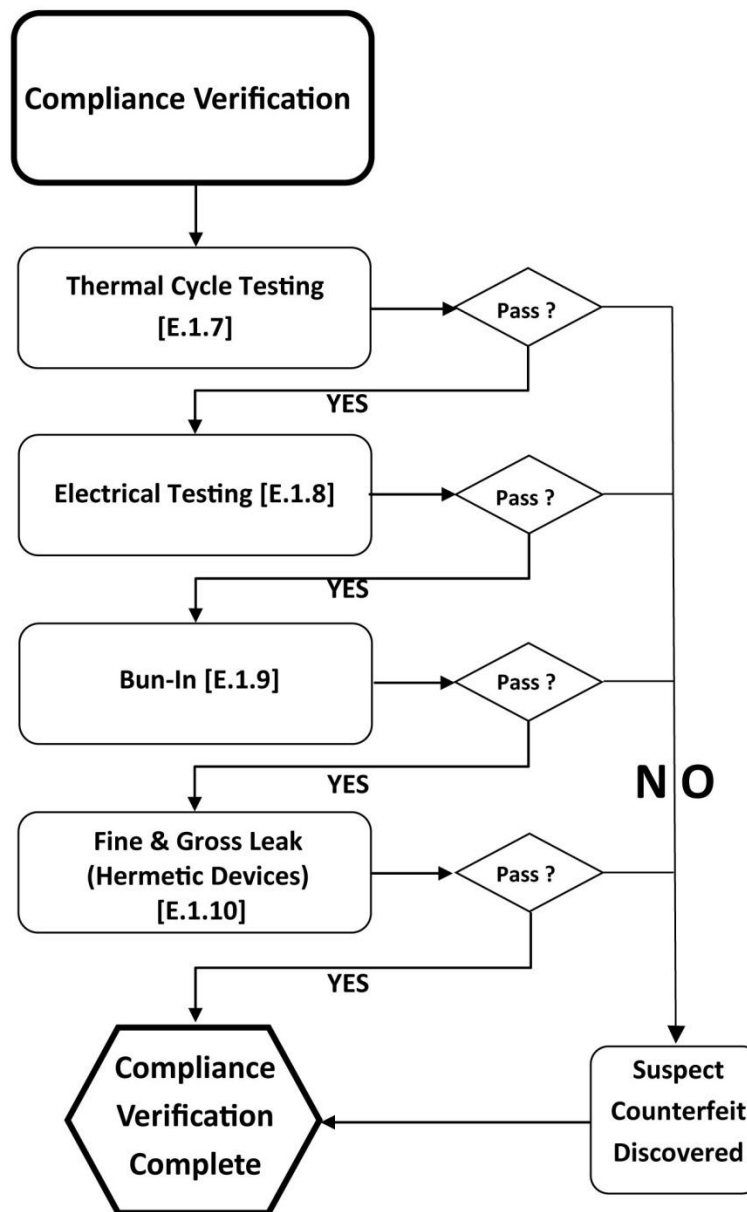
# TESTING PER SAE AS5553



Note: The above flow chart is excerpted from SAE AS5553 STD Page 24

# TESTING PER SAE AS5553

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Note: The above flow chart is excerpted from SAE AS5553 STD Page 24