

## **Alchemist III - 3Days**

### **Course Description:**

Alchemist III training course is a workshop designed to enable participants to create usable data for GenRad's TestStation and GenRad's 228x Series Machines. Participants gain real world knowledge with a hands-on approach to enhancing CAD data while working towards developing improved printed circuit assembly (PCA) test programs.

This course is a pre-requisite to GenRad's Tester Program Development courses - GR228x Level 1.

### **Intended Audience:**

In-Circuit Test Engineers and Programmers

### **Prerequisites:**

- \* Working knowledge of Windows 95/98/2000 or Windows NT.
- \* Knowledge of analog/digital theory and schematic reading is essential.
- \* Understanding of the production line and testing.
- \* A familiarity with CAD files is highly desirable.

### **Topics covered:**

- \* Introduction and Overview.
- \* Translating and Importing CAD Data.
- \* Alchemist 98B.
- \* Import the Bill of Materials.
- \* Identify Components.
- \* Revise Data.
- \* Panelization.
- \* Probe Placement (Tester Only)
- \* Export Data.

### **Course objective:**

- \* Understand the overall purpose and functionality of Alchemist III.
- \* Import and/or translate CAD data.
- \* Use Alchemist 98B to translate CAD data.
- \* Import the Bill of Materials using the A3 BOM Wizard.
- \* Identify Components using existing and user-created rule sets.
- \* Revise project data for up load to other testers and software platforms.
- \* Panelize the product.
- \* Place Test Probes.
- \* Export data to other testers and software platforms.