



## Axcelis® HE/VHE® Operations / PM Course

Retronix provides customized training to your Technicians. In addition to Retronix basic training outline and overview manuals, All Training will utilize Customer manuals and procedures to ensure that the technicians will learn the fundamentals of the tool and the associated documentation that they have at their disposal. This is a tried-and-true method that builds a basic fundamental knowledge for the technicians to build upon as their skills and experience grow. The goal is to train Your Technicians to follow *Your Procedures and BKM's*.

### Training Outline (May be customized)

Upon Completion of this class students will understand the function, operation, and rebuild requirements of the primary assemblies of the Axcelis Ion Implanter. Additionally the students will be familiar with skills needed for good recipe writing, and beam tuning to allow the Implanter to operate in a fully automatic mode.

#### Day 1 - Implanter Facilities

- Safety Overview
- Facilities OI navigation & Location
- Vacuum OI navigation & Location
- Computer / SDLC overview

#### Day 2 – Source region theory and Operation

- Gas systems and Ion Generation
- Extraction and Acceleration
- Beam steering
- Source Region Locator & PM
- Bottle Change Procedure

#### Day 3 – Resolving Theory and Operations

- Resolving housing locator & PM
- Beam monitoring
- Automatic beam generation
- Spectrums and AMU calibration

#### Day 4 – HE Linear Accelerator

- Quads
- Resonators
- FEM
- Linear Accelerator Operation

#### Day 5 – Wafer Handling / Operations

- End Station OI navigation
- Wafer Handling components
- Process Chamber Locator
- Implanting Wafers



#### Day 6 – Recipe Writing and Implant Analysis

- Analysis of SPC Data
- Recipe Writing
- HYT Operations
- Aborting Implants
- Resuming Implants

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