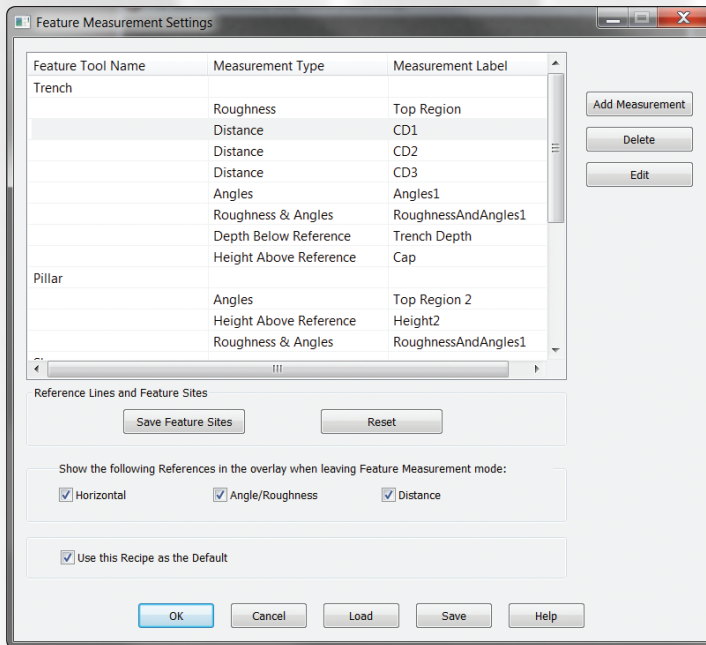


Automated Measurement for Semiconductor Features

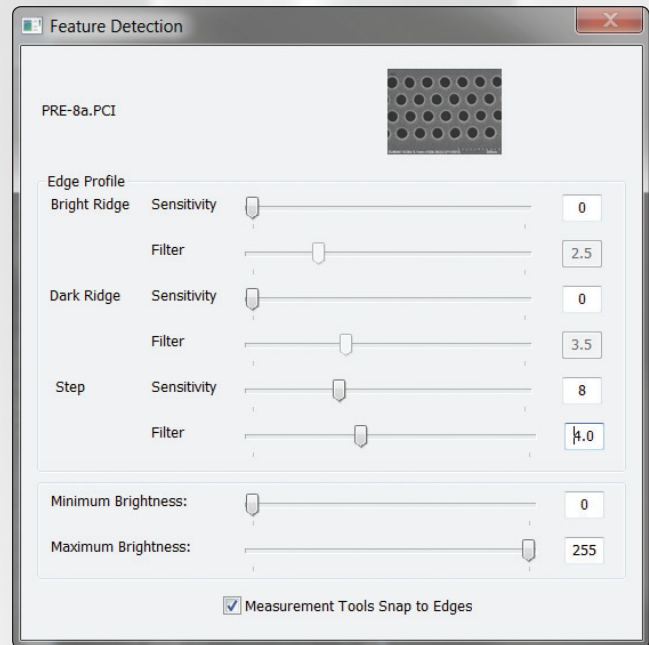
Just Click... and That's it.

3 Levels of 'Single Click' Automation:

1. Fully Characterize a Feature with a Single Click
2. Characterize a Multiple Feature Image with a Single Click Using PCI-AM Recipes
3. Use the New PCI-AM Batch Automation to Process and Measure a Batch of Similar Images **NEW**



Create and Save Recipes for Measurement Types, Locations and Labels. Load the Recipe for Similar Images.



Our Edge Detection Techniques (3) allow you to work with more types of images and more types of features.

PCI-AM Benefits:

- Save Time
- Increase Measurement Consistency
- Generate Reports Easily with Images and Data
- Increase Measurement Accuracy
- Export Data Easily Into CSV File



QUARTZ IMAGING CORPORATION

SPECIALIZED SOLUTIONS FOR ELECTRONIC DEVICE LABS & ANALYSIS

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SMARTER LAB**

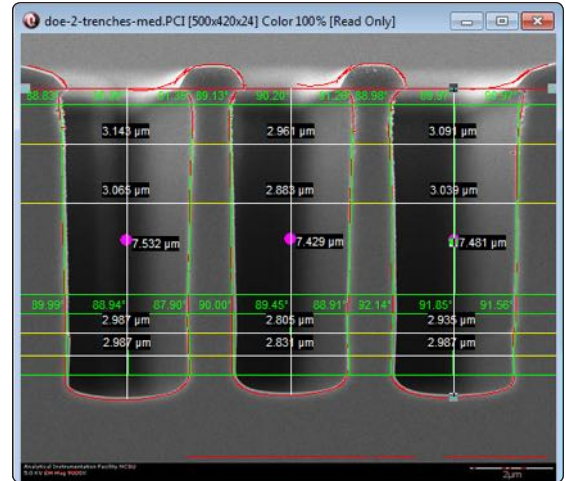
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Automated Measurement for Semiconductor Features

Types of Automated Measurements

Trenches (Spaces) and Pillars (Lines)

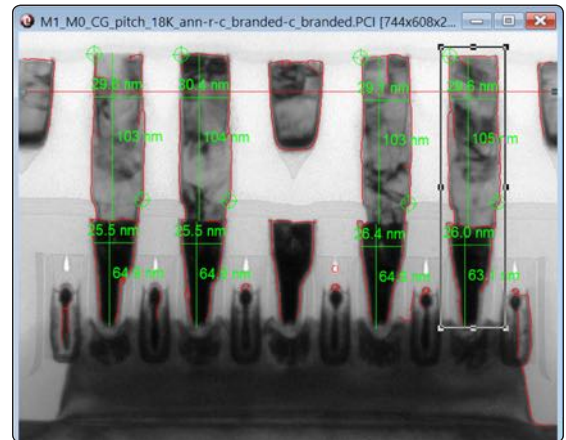
- CD Width
- Angles – Sidewall and Center
 - Multiple Regions in Feature
- Line Edge Roughness
- Line Width Roughness
- Distances Below and Above Reference Line
- Averages of the Above Measurements



Trench Measurements

Macro Cell

- Multiple Measurements in Complex Features with a Single Click



Macro Cell

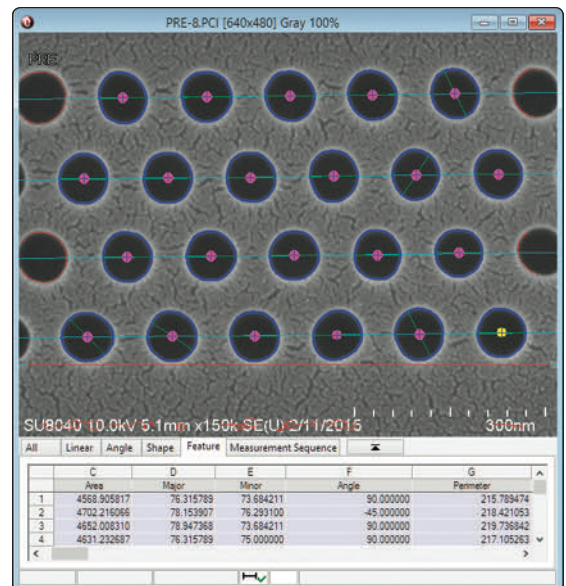
Shapes

- Area and Perimeter
- Ideal Shape Deviation
- Aspect Ratio
- Major and Minor Axes
- Collinearity
- Tilt

Other New Valuable PCI-AM Features

- “Point and Shoot” Horizontal and Vertical Measurement Tools Utilize Edges
- Regular PCI Measurement Tools will “Snap” to the Edges in PCI-AM

We Can Custom Develop any Specific Measurements You Require.



Shape Measurements