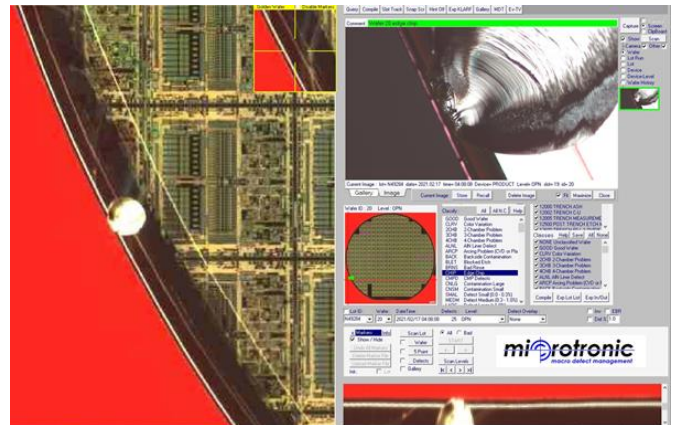# EAGLEview - The industry's best macro inspection tool and defect management platform

EAGLEview Highlights:

No recipes needed (minimize resources)

Easy to operate - no buttons to press

High speed throughput – over 3,000 WPD

Automatically detect macro defects and edge chips

Perfectly suited for automated macro inspection in the Photo or CMP area

Detect edge defects even on partial die

No license required - unlimited ProcessGuard clients

Large server retains years of stored images and data

Sorter capabilities (automatically sort without operator intervention)

Slot positional analysis software included

Integrated updateable defect image library

Guardband capabilities, digitally ink-off at probe

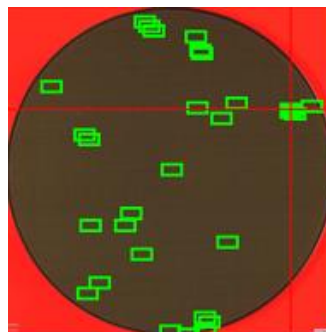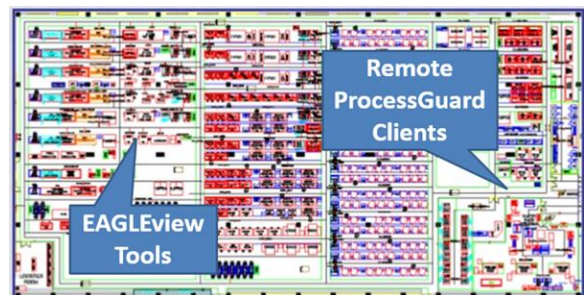Fast RCA – on board commonality analysis

A repository for macro & micro images

The Microtronic External MicroView camera option is a single license, hardware and software upgrade for ProcessGuard which allows users to capture microscope images from their existing microscopes. EAGLEview will automatically detect macro defects and the Microtronic provided MicroView camera can capture images from anywhere and store the microscope images with the macro images in the database.

Anywhere…

Microscope images can be captured at any remote ProcessGuard Client, this could be across the fab, in another building or at another site.

MicroView capture locations are displayed on the wafer map and ProcessGuard provides options for capture and image review.

Overcome the challenges of managing microscope images

Challenges are almost universal

- No system for storing/retrieving micro images.
- No standard file naming convention.
- No standard for file storage location.
- No standard for storing wafer defect location.
- No description or comments on the images.

The MicroView solution overcomes these challenges, and the micro images are stored in the internal database along with the EAGLEview macro images.
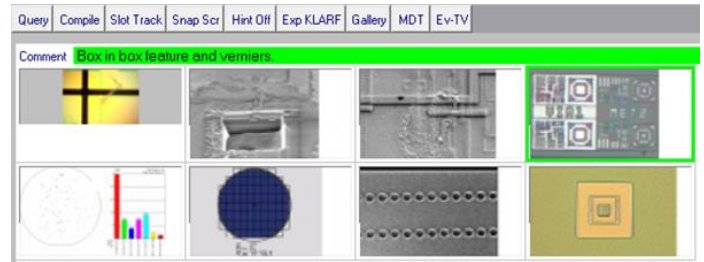

Integration Made Simple

ProcessGuard can display a gallery of MicroView images. Selecting a MicroView thumbnail from the gallery will display the corresponding EAGLEview macro image, defect location and micro image comments.

Archiving – Everything stays together

When ProcessGuard archives macro images, all MicroView images are retained in the same folder. If a fab has a customer return, even years later, all macro and micro images are unarchived together.

Clipboard Content Flexibility

MicroView allows clipboard contents to be captured to the database as well. This flexibility allows users to store various images into the repository of images. Aside from defects, customers may want to store metrology reports, verniers, stepper layout maps, failure analysis findings – there is no limit to the scope and usefulness of this feature.

ProcessGuard
Over 10 years in the making…

MicroView images can also be displayed full screen in the ProcessGuard interface.

Many Microscopes
One Database

Customers can deploy the external MicroView camera on microscopes anywhere in the enterprise.

- ✓ Inline (Photo, CMP, YE)
- ✓ QA Outgoing Inspection
- ✓ Final Inspect
- ✓ Incoming/Outgoing at Bump
- ✓ Incoming at Assembly & Test