

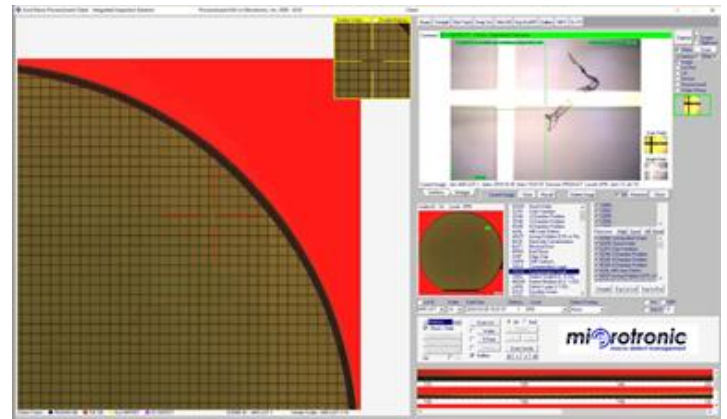
## EAGLEview - The industry's best macro inspection tool and defect management platform

### 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

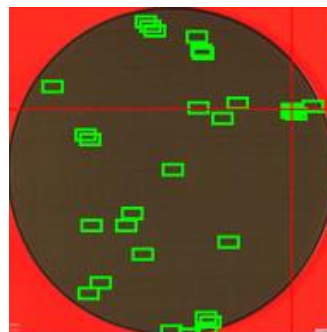
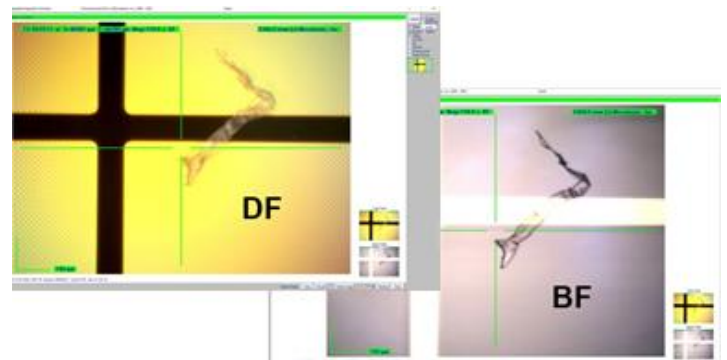
### A repository for macro & micro images

The Microtronic Internal MicroView camera option allows the EAGLEview platform to capture microscope images automatically. EAGLEview will automatically detect macro defects and the internal MicroView camera can image the defects once the inspection is complete. The MicroView camera provides a Brightfield and Darkfield image which is stored with the macro images in the database.



Twenty-two wafer lot was inspected (~10 min) and one defect on one wafer was detected.

Brightfield and darkfield MicroView images below...



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

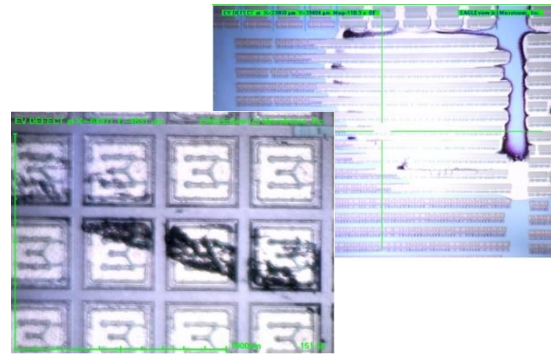


# Overcome the challenges of managing microscope images

## 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.



## Your Choice!

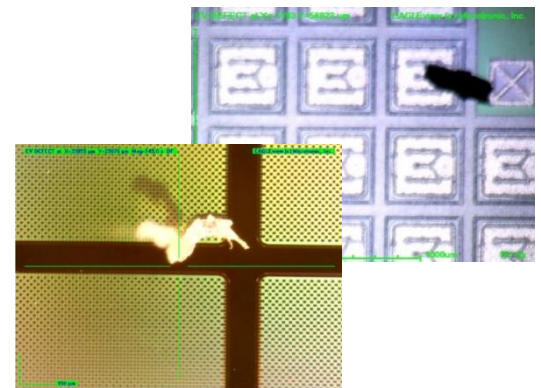
The internal MicroView camera can be configured to automatically capture micro images at any level or device specific levels you choose (i.e. Poly, Contact, Metals, Vias, etc.).

## Faster Containment and Lot Disposition

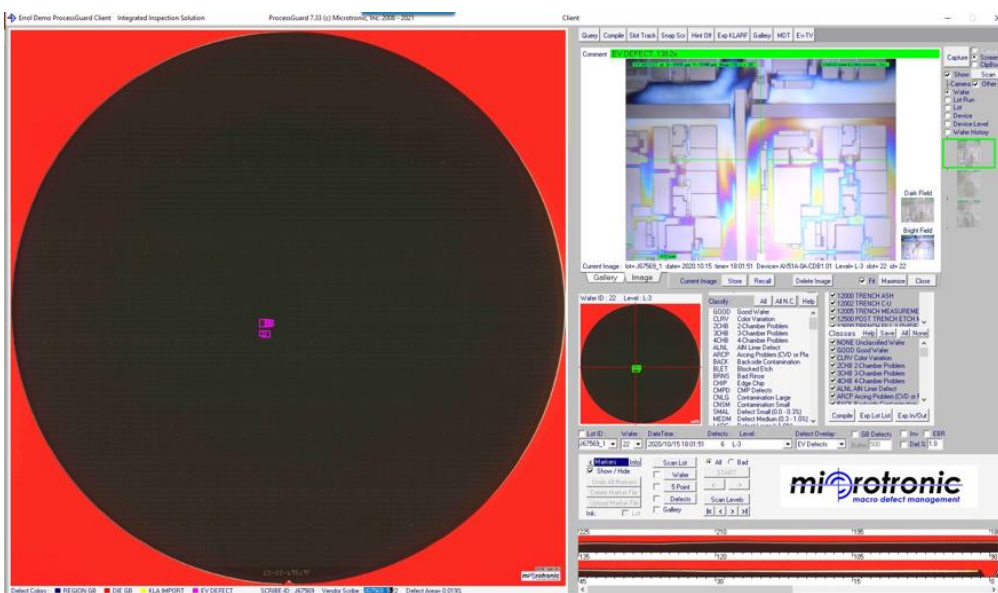
The ProcessGuard macro defect management client is an enterprise solution and has *unlimited* licenses. ProcessGuard is easily accessed by anyone in the company (fab, office area, home, another site).

When things go wrong, EAGLEview's high throughput can quickly generate a jeopardy list and MicroView images provide the information needed for better decisions.

During the recent pandemic many engineers were working remotely, Microtronic customers reported that they were able to reduce lot hold times from days to less than an hour.



## Improve Inspection Quality with Machine Vision



## Real Life Example

Lot with extremely dark (black) wafers

No recipe macro inspection

1 defect detected on 1 of 25 wafers

MicroView shows that the detected defect is scumming near the wafer center

Difficult to detect - no pattern or geometry differences seen, just color differences.