EagleView 5:
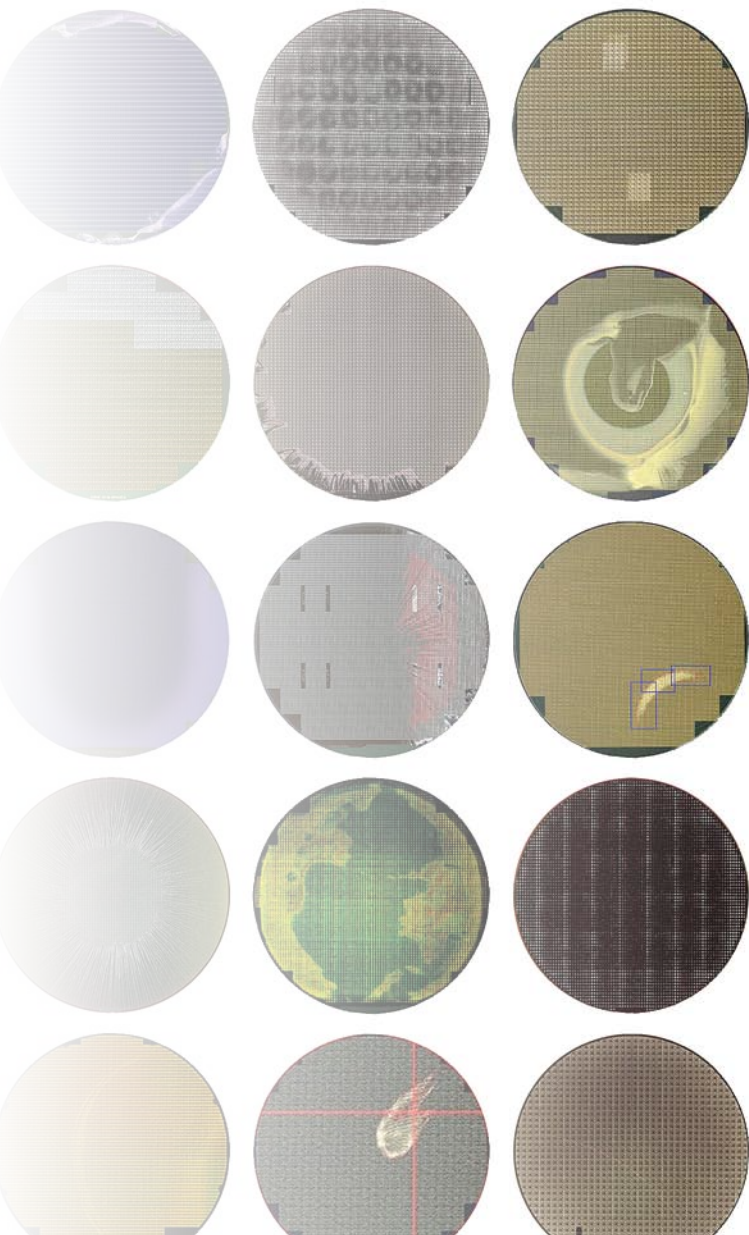## The Industry's Most Yield-Enhancing Macro Defect Inspection System

- Inspects all wafers. No sampling.

- Fully automatic. No recipes needed.

- Super-fast. 3000+ wafers/day.

- Catches more problems. Helps correct them faster.

microtronic
macro defect management

Now, 100% wafer inspection is a practical reality...

To see more defects, correct more problems and boost your yields.

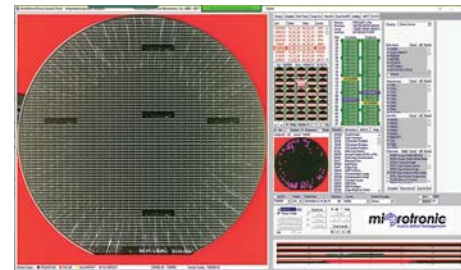## It's made possible by the EagleView 5.

The Microtronic EagleView 5 —

Nothing else gives you as much information on as many wafers — or as many ways to reduce defects and increase yields...

No sampling. Inspect __all__ wafers. Super fast.

The EagleView 5 automatically macro-inspects every single wafer in every lot. Edge to edge. At ultra high speed: 3000+ wafers/day.

This unique tool delivers an actual high-resolution full-wafer color image, not a digital construct. It creates a complete, trackable "waferbase" with defect lists and defect maps along with each wafer's OCR number and slot position.

EagleView shows wafer images, defect lists, defect maps, wafer tracking and more.
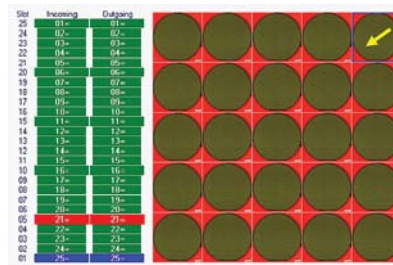
Optionally, it can even weigh each wafer automatically. This data hub can provide a unique wholistic picture of every wafer at every step. Plus, it can integrate inputs from microscope and micro defect inspection.

No recipes required. Just load and go.

Absolutely no recipes are needed. EagleView is totally plug-and-play. So you can eliminate all the time, hassle and special staff that used to be required to generate and maintain recipes. With full automation, virtually anyone in your fab can use it anytime.

Catch more defects. And more root causes.

Because it sees every wafer, EagleView can catch a lot more

A small defect is seen on one wafer in the lot without need for recipes.

defects. Including edge chips. And, it gives you smarter ways to track down defect root causes. At the start of each run, the fab's host automation system sends the lot's tool history to EagleView, where that gets integrated with the wafer image data. So when you spot a defect you can readily drill down and track back to a particular process tool problem.

Spot onesie-twosies. Stop excursions.

EagleView's 100% inspection catches even those elusive one-time problems. Spotting them earlier often lets you send wafers back for rework rather than scrapping them later on. And fixing excursion problems earlier lets you improve future fab performance. Plus, EagleView's guardbanding capability can ink off specific trouble areas on wafers so they won't cause problems down the line.

Next-generation tool. Maximum performance.

The EagleView 5 is the most advanced EagleView to date. Its next-generation imager provides improved lighting, color fidelity and image resolution. Coupled with more advanced software algorithms it delivers a cleaner signal and increased defect detection. The tool is equipped with advanced imaging technology, analytical software, robotics and a 4-cassette multi-sized (100mm-300mm) wafer platform for fully-automated, unattended operation.

Machine vision: More consistent data.

EagleView removes the variables of human optical inspection. Its defect data recording is complete and consistent. Every day. Every shift. And by using the EagleView wafer image as a road map, microscope operators can zero in on defects and classify them faster and more precisely. This data can then be fed into the EagleView's ProcessGuard software database to enable root cause analysis on a far greater range of defects than ever before.
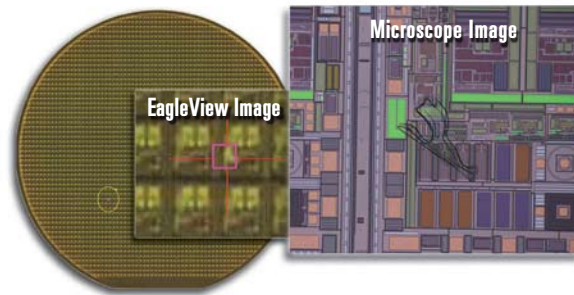
Wafer randomization for free.

While EagleView is inspecting wafers it can also randomize or sort them. Automatically. While maintaining full speed. So, if you want to do slot position analysis you won't need to buy extra sorters. And you won't need special IT efforts to create usable databases. With EagleView it's automatic.

Information for all.

There are no licenses restricting how many stations can use the EagleView wafer data. Everyone can have access. Throughout your fab or enterprise, around the world. No extra charge.

Reduced expenses. Lowest CoO.

With EagleView there are no consumables, and maintenance is so minimal, customers can do it themselves. Plus, you can

eliminate all the resources and time you used to spend creating and maintaining recipes. And you can get guardbanding (ink-off) virtually for free. Bottom-line: EagleView gives you the greatest savings at the lowest costs of any tool in its class.

Popular and proven.

Microtronic's commitment to quality and customer satisfaction has earned many accolades, such as the Lucent Technologies Vendor of the Year Award, the Texas Instruments Supplier Excellence Award and a Best of West Product Finalist Award at Semicon West. EagleView macro inspection tools are already at work all around the world, and they've inspected well over 200 million wafers! Perhaps EagleView 5 could be boosting your yields. Why not set up a demo and see for yourself!

The fully-automated EagleView 5 needs no recipes and features four cassettes for 100mm to 300mm wafers.

ProcessGuard
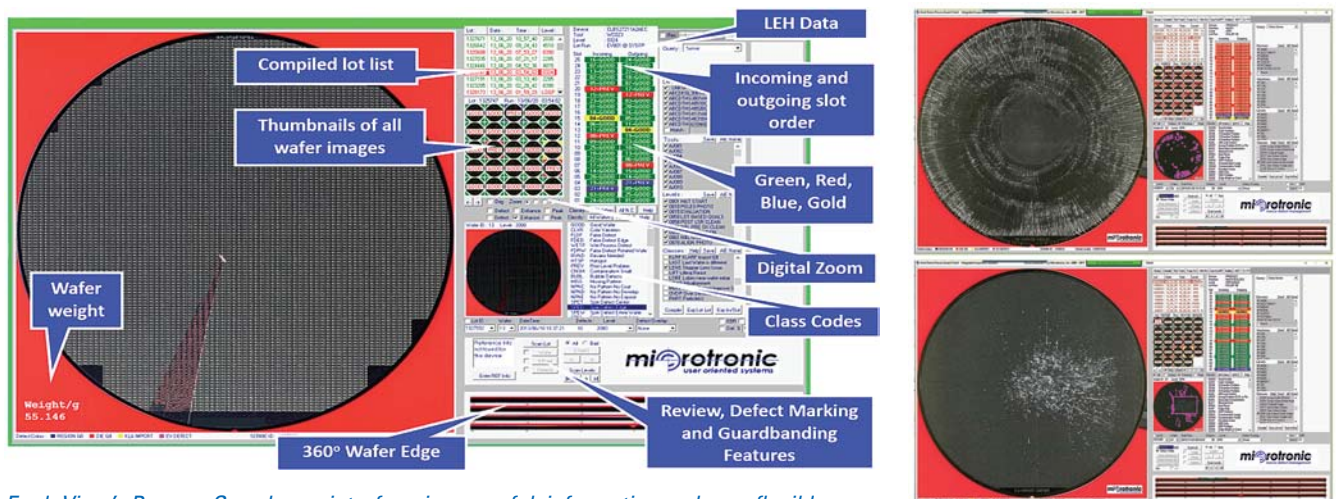## Software from Microtronic...

Defect intelligence and data management for the EagleView 5...

Smarter, more powerful software.

Microtronic's ProcessGuard software is the desktop client for the EagleView macro defect inspection system. This software provides both power and flexibility to customize the user interface and application features to your precise needs. It is a high-speed, high-volume solution that delivers an extremely easy-to-use and extendable means of managing your fab's inspection processes. ProcessGuard is feature-rich and includes a user-definable defect library, an integrated trainer and knowledge base, wafer randomization capability and a great deal more...

ProcessGuard
Advanced Features & Capabilities

- Integrated user-definable defect libary
- Integrated lot and equipment historical data
- Easy drill-down Pareto for root-cause analysis
- Integrated SiteView software
- View multiple layers and guard-banding for each wafer
- Sort by class codes, tools, log points, time, or device
- Automated wafer randomization analysis
- Incoming and outgoing slot order
- Compiled lot lists
- Edge bead removal review (EBR)
- Feature-rich, customizable user interface
- Customizable query screens
- Integrated trainer and knowledge base
- Unlimited ProcessGuard desktop clients

EagleView's ProcessGuard user interface is powerful, informative and very flexible.

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