



Guardian™: Particle Detection System (PDS)

Guardian: PDS

- Replaces the manual particle detection system with an automated reticle inspection system that is fully integrated into existing Guardians
- There are three class III lasers used on the particle detection system (PDS). These lasers store data after a scan is performed. The data can be viewed and analyzed by the operator or any other personnel that would like to see the information obtained



Value Proposition:

For Guardian customer's looking to improve efficiency, quality, and repeatability of reticle inspection



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Features

- Fully integrated to the Guardian
- Compatible with all 6" reticle and pellicle types
- Graphical User Interface displays particle size, location, & image as well as comparison to previous scan.
- Retrofittable into existing installed Guardian tools
- Programmable binning criteria
- Class 1 compatible
- Backed by 1-800-FOR-GUTS®: 7x24x365 Technical Support

Benefits

- Detects 10 micron or larger particles
- Inspects glass and pellicle surface
- Increased inspection quality
- Eliminates operator handling improving reticle safety
- Binning criteria provides valuable data to assist in reticle cleaning decisions
- Particle maps and data files assist in trending cleanliness issues
- Provides particle data to the fab-wide reticle management system to improve process efficiency
- Saves valuable footprint by eliminating manual inspection tables



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