

SENS-SAVE® UPGRADE:

Description:

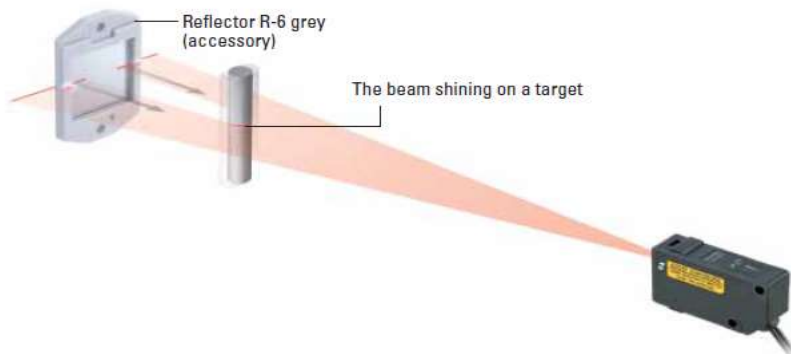
There are many Varian 3290 Sputtering systems in the field estimated 500, playing a key part in metallization processes in many Semiconductor FABs and Laboratories around the world.

Over the years an issue has been identified in the wafer handling cycle when there can be a piece of broken wafer in the elevator lift and it goes “unsensed” in the original configuration and then causes the following wafer to be broken due to the previous piece not being detected, then the issue cascades along the cassette, potentially scrapping a whole batch while the system runs in auto mode.

The problem lies with the way the system senses if a wafer is present, there are 4 sensors on the Wafer Load Door (WLD) and all need to report wafer is present. This means that there could be a broken piece of wafer sitting in the elevator blade undetected than will then crash into the next wafer slot position and this could continue for the duration of the batch.

Sens-Save® Upgrade Kit:

The Sens-Save® Upgrade Kit consists of a sensor, amplifier, customer interface and reflective bar. The beam line of sight shines through the gap between the elevator blade and the cassette, then reflects back via the reflective strip mount. If there is a detection, the signal is sent from the custom interface box to the wafer handler utility box as a break in the cassette motor controller interlock, stopping any further breakage from occurring.

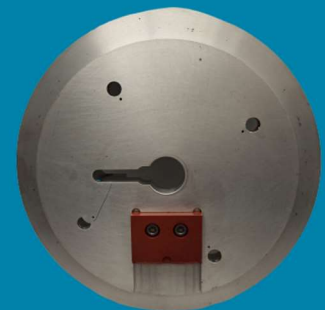


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Deptec offers OEM or OEM Quality replacements for all parts associated with the Varian 3000 series PVD tools.



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