Surplus Process Equipment Corp.
www.specequipment.com

Downstream Endpoint Detector Upgrade

for GaSonics Aura 1000 Ashing System

The Downstream Endpoint Detector upgrade is a remote mounted detector enhancement for your existing Aura 1000 system. Developed by SPEC, in collaboration with Novellus, this cost effective and rapidly deployed upgrade addresses key usability and process issues while dramatically increasing efficiency of downstream endpoint detection for existing Aura 1000 systems in the field.

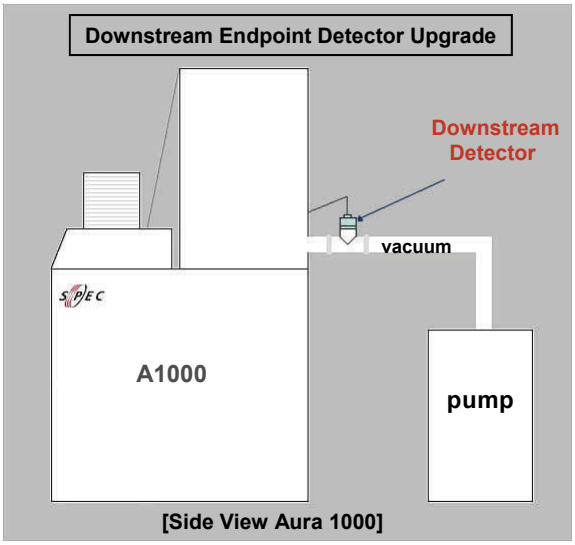
Upgrade Advantages

Improved endpoint detector is installed downstream – away from internal lamps that tend to overheat the components and reduce the reliability of existing detectors. Mounting the detector within the pump (vacuum) line eliminates the need for heat lamp reduction filters.

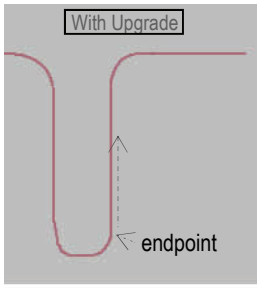
External relocation of the endpoint detector allows for simplified service and testing. No electrical changes or rewiring required.

An innovative endpoint signal monitors light using a photodiode during the ashing process by measuring an atomic oxygen glow that signifies when resist is being removed or when resist removal is complete.

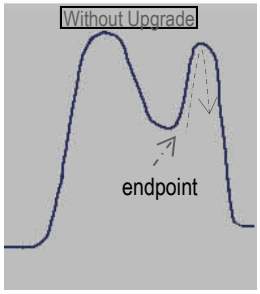
The end result is an extremely clear process that allow ashing of smaller geometries of photoresist. Signal strength is improved by 50% to 75% compared to standard internal detectors.



Typical endpoint detector setting: detector on, delay 5 sec. slope +300, >, eop2 off, overstrip 30%, new slope is + positive, and sign > = critical



With less interference from internal lights and filters, the endpoint is able to better capture photoresist removal.



The existing detector is less effective because of heat lamp interference.

To order the Endpoint Detector upgrade or to learn about other upgrades for your Aura 1000 system, call SPEC equipment today at 408.654.9500 or visit www.specequipment.com

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