

# Product Option Description

## GPS Bowl Seal Upgrade

## “S” Series SRD Option

Available for all “S” Series Spin Rinser Dryers

Designed for particle performance, reliability, and extended operating life

Now standard on new Semitool SRDs

The Gas Pressurized Bowl Seal (GPS) Upgrade from Rhetech is designed to improve SRD particle performance while enhancing reliability and operating life. The GPS Upgrade is now available as a kit for older Semitool “S” series Spin Rinser Dryers that use ferrocartridge bowl seals

### Why is this seal better than the previous ferrocartridge design?

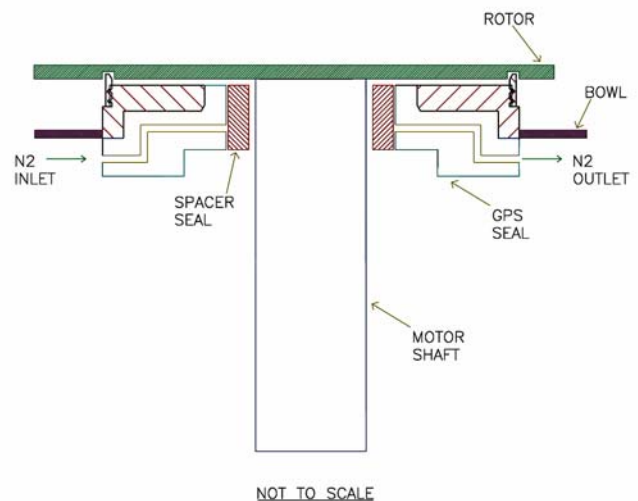
The GPS utilizes a unique design that isolates the SRD bowl (and the wafers) from the other parts of the tool using an N<sub>2</sub> purge (See drawing lower right). Tests show particle performance of the GPS is equal to or better than standard ferrocartridges.

The GPS is an all-mechanical design and uses no ferrofluids. The GPS creates a pressure zone by moving N<sub>2</sub> through a narrow gap to create a dynamic seal. The pressurized zone within the seal isolates the bowl from the motor and minimizes particle transfer. Under normal operating conditions, there are no points of contact; minimizing wear and extending the life of the seal.

The GPS Upgrade Kit (See photo top right) comes complete with detailed instructions. An experienced maintenance technician should allow 2-3 hours per bowl to install the kit or contact Rhetech to arrange on-site installation by a qualified technician. Free phone technical support is available.



GPS Seal Kit



GPS Seal Concept

