

PERFORMANCE ENHANCEMENTS

Sustainable Solutions is Our Ongoing Commitment

Concept Part Solutions is dedicated to extending the lifetime of your maturing semiconductor manufacturing equipment. As your toolsets age and new processes emerge, we pursue every opportunity through our Continuous Improvement Program (CIP) to offer important enhancements that increase the reliability, productivity, and performance of your install base.



Concept One Dielectric

Showerhead Gapping Kit



Concept Part Solutions is committed to finding methodologies that simplify and improve common maintenance procedures for the Concept One platform. CPS is pleased to announce the release of the C1D Showerhead Gapping Kit. This maintenance kit eliminates the current “Crush Ball Gapping Procedure” and provides a safer, more repeatable method for setting showerhead heights.

Showerhead height is a critical setting to ensure proper wafer process results. The current gapping methodology is subject to variation due to human error because the critical measurement is completely dependent on each technician’s bias. Also, performing the “Crush Ball Gapping” procedure exposes maintenance personnel to the hot heater block and hot process environment.

The new CPS Showerhead Gapping kit provides Delrin alignment pucks which provide an exact, repeatable height setting for each showerhead. These pucks are used with the process environment in the cooled down state. Repeatability from station to station is exact, and the technicians are safe from the hot chamber components. The CPS Showerhead Gapping Kit is available for 150mm and 200mm wafer sizes.

Upgrade Benefits

- Improved safety environment for maintenance personnel by changing performance of gapping procedure from a “hot” to a “cool” environment.
- Improved process film uniformity and station to station uniformity repeatability
- Repeatable set up results, system to system, and technician to technician.



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Concept One 150mm and 200mm
Showerhead Gapping Kit

**Get More Information on
System Performance Enhancements**

To find out how to improve the performance and productivity of your CPS supported systems, call your local CPS Sales and Service Office for complete ordering information, or visit www.conceptpartsolutions.com.

System Prerequisites:

None

Ordering Information:

Showerhead Gapping 200 mm Kit	CPS-04-10046
Showerhead Gapping 150 mm Kit	CPS-04-10052

Some Upgrades may require an audit of your System; Contact your local CPS Representative to verify the Upgrade Kit before ordering.