



Wilshire Contamination Control Division

cleaning critical surfaces

APPLICATION NOTE

GENUS ALD CHAMBER CLEAN

OBJECTIVE:

TO EFFECTIVELY PM THE GENUS ALD CHAMBER IN A TIMELY MANNER, WHILE IMPROVING TOOL RECOVERY AND PARTICLE PERFORMANCE

Products:

- (1) [HT4754](#) UltraSOLV® Sponge
- (1) [HT4528D](#)-10 280 Grit UltraSOLV® ScrubPAD
- (1) [HT4536D](#)-10 360 Grit UltraSOLV® ScrubPAD
- (1) [HT4513PD](#)-10 1350 Grit UltraSOLV® ScrubPAD
- (1) [HT5790](#)-25 MiraWIPES®
- (5) [HT1700](#) UltraSOLV® Swabs
- Hazmat bag
- DI water

Procedure:

- Step 1:** Saturate the UltraSOLV® Sponge with DI water and wipe around the chamber walls and electrode. **DO NOT USE** on graphite susceptor
- Step 2:** Keep UltraSOLV® Sponge clean by rinsing out into hazmat bag
- Step 3:** Remember to use the UltraSOLV® Sponge to keep the UltraSOLV® ScrubPAD clean
- Step 4:** Clean the electrode first. Begin with a 1350 Grit Diamond ScrubPAD moving down to a 360 Grit Diamond ScrubPAD for the outer edge. At the center use a 280 grit. Once finished, go back over the electrode with a 1350 grit to polish. You certainly would not need to go any lower than 280 grit
- Step 5:** On the chamber walls, use a 280 or 360 Grit Diamond ScrubPAD
- Step 6:** On the graphite susceptor, use a 360 Grit Diamond **DRY** ScrubPAD
- Step 7:** For final wipe, use MiraWIPES® and UltraSOLV® Swabs until all deposition has been removed