**IMPLANT PM DEMONSTRATION REPORT**

**AXCELIS™ GSD ULTRA**

**OBJECTIVE:**
TO EFFECTIVELY PM THE AXCELIS™ GSD ULTRA IN A TIMELY MANNER, WHILE IMPROVING TOOL RECOVERY, PARTICLE PERFORMANCE, ELIMINATING THE USE OF H₂O₂, AND REDUCING HAZARDOUS WASTE

**TOOLS CLEANED:** AXCELIS™ GSD ULTRA

**AREAS CLEANED:**
- SOURCE REGION
- RESOLVING HOUSING
- IMPLANT CHAMBER (V-3 RING AND SURROUNDING AREA)

**PRODUCTS USED:**
1. HT9423 CushionPAD
2. HT901 ErgoSCRUB®
3. HT4536DC3-1 360 GRIT DIAMOND ScrubDISK®
4. HT4536D 360 GRIT DIAMOND ScrubPAD
5. HT4513PD 1350 GRIT DIAMOND ScrubPAD
6. HT4754 UltraSOLV® SPONGE
7. HT5790S MiraWIPE®
8. HT5790G MiraWIPE®
9. HT5790S MiraWIPE®
10. HT5790G MiraWIPE®

**SOLVENTS USED:**
- DI WATER
- IPA

**RESULTS:**
AXCELIS™ GSD ULTRA RECOVERED FROM PM WITH NO ISSUES
PASSED PARTICLE ANALYSIS FIRST RUN

**NOTES:**
Demonstrated the efficiency of using the Foamtec International MiraWIPE® by showing how much more deposition the MiraWIPE® was able to remove after tech completed source region wipe down using current fab wiper.

**CURRENT FAB WIPER:** TECH WIPEO OUT SOURCE REGION UNTIL WIPER WAS NO LONGER REMOVING DEPOSITION

**FOAMTEC INTERNATIONAL MiraWIPE®:** AMOUNT OF DEPOSITION MiraWIPE® WAS ABLE TO REMOVE AFTER USING CURRENT FAB WIPER

**RESOLVING HOUSING:** Cleaned Resolving Housing area using (1) 360 Diamond Grit ScrubPAD, same UltraSOLV® Sponge used in Source Region and (10) MiraWIPE®

Axcelis GSD ULTRA PM Report 100308.docx
Demonstrated the efficiency of using the Foamtec International MiraWIPE® by showing how much more deposition the MiraWIPE® was able to remove after tech completed Resolving Housing area wipe down using current Fab Wiper

**FOAMTEC INTERNATIONAL MiraWIPE®:**
AMOUNT OF DEPOSITION MiraWIPE® WAS ABLE TO REMOVE AFTER USING CURRENT FAB WIPER

**CURRENT FAB WIPER:** TECH WIPED OUT RESOLVING HOUSING UNTIL WIPER WAS NO LONGER REMOVING DEPOSITION
Demonstrated the efficiency of using the Foamtec International MiraWIPE® by showing how much more deposition the MiraWIPE® was able to remove after tech completed implant chamber area wipe down using current fab wiper.

**FOAMTEC INTERNATIONAL MiraWIPE®:** AMOUNT OF DEPOSITION MiraWIPE® WAS ABLE TO REMOVE AFTER USING CURRENT FAB WIPER

**CURRENT FAB WIPER:** TECH WIPE OUT IMPLANT CHAMBER UNTIL WIPER WAS NO LONGER REMOVING DEPOSITION

**HAZARDOUS WASTE:**
ONE TECHNICIAN Completed Entire AXCELIS™ GSD ULTRA PM Completed in 2.0 Hours