

322703-Z | Axcelis Gemini 3 – Axis Robot Assembly

Features

- New Vertical Bearings
- New Leadscrew and Ball-nut
- New Rotation Bearing
- New Arm Bearings
- New Coil Cable
- New Wafer Pan Coil Tubes
- New Power Off Brake
- New Emitters
- Upper Rotation Belt
- Rotation and Vertical Belts
- New Opto-isolators
- New Coil Vacuum Line
- New Electrical Coiled Cable
- Fully Disassembled
- All Parts Cleaned
- Full Functionality Tested on an Actual Fusion Tool

Functionality Checklist

1. Check Robot Initialization & Home Positioning
2. Check Repeatability to Left Cassette Platform
3. Check Repeatability to Right Cassette Platform
4. Check rotation to both Left & Right Cassette Platforms
5. Check Repeatability to Chamber(s)
6. Check repeatability to Left Platform Slot 1, 15 & 25
7. Check repeatability to Right Platform Slot 1, 15 & 25
8. Check Repeatability of Left Pan Extend & Retract
9. Check repeatability of Right Pan Extend & Retract
10. Wafer Vacuum Check Right Pan
11. Wafer Vacuum Check Left Pan
12. Check both Pan Vacuum Levels at Wafer Release and Wafer Clamped
13. Perform 100 Wafer Marathon



Product List

- [249021 | Fusion Gemini 3 - Axis Robot Assembly](#)
- [322703 | Eaton Gemini 3 - Axis Robot Assembly](#)
- [322703-Z | Axcelis Gemini 3 - Axis Robot Assembly](#)

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