249021 | Fusion 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



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SemiGroup's technical expertise assures you the highest quality of new and refurbished parts and assemblies available on the market. All parts and assemblies are configured to meet or exceed the OEM (Original Equipment Manufacturer's) Specifications.

Semigroup also offers Refurbishment Services on an array of products and services ranging from Printed Circuits Boards, Robot Assemblies, Servo Motors, Servo Motor Controllers, Servo Motor Drivers, Servo Packs, Consumable Parts, Gate Assemblies or Slit Valves, Elevator Indexer Assemblies, Lead Screws and Ball Screws, Lifter Assemblies, Temperature Controllers, Harmonic Drives, Gap Drive Assemblies, Arm Assemblies, User Interfaces and Human Interface Devices, Maintenance Kits, Standard and Custom Bellows Assemblies, Temperature Controls Units, Heat Exchangers, Chillers, Solid State Chillers, Thermoelectric Recirculating Chillers, CMP Assemblies, Chemical Mechanical Planarization Parts and Services, Pad Conditioner Arms, Rotary Unions, Custom Cases, Interface Units, Power Supplies, High Voltage Power Supplies, DC Power Supplies, Custom Power Supplies, Vacuum Pumps, Scroll Pumps, RF Generators, RF Matches, Turbo Pumps, Turbo Pump Controllers, High Vacuum Valves, Throttle Valves, Pressure Controllers, Mass Flow Controllers, Impellers, Filters and much more!

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