

# Jordan Fischer

## Electro-Mechanical Assembler

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## Summary

Electro-mechanical assembler with 5 years building semiconductor equipment modules and cable harnesses. Combines mechanical assembly and electrical assembly from schematics and blueprints, does production hand soldering and crimping, and checks every build with multimeters and calipers before release. Flags drawing conflicts early through clear communication with engineering.

## Experience

### Electro-Mechanical Assembler

04/2023 - Present

Desert Ridge Automation

Phoenix, AZ

Builds wafer handling and gas delivery subassemblies for semiconductor tool makers.

- Build 12 wafer robot and gas panel subassemblies a week for semiconductor tool lines.
- Route and terminate harnesses per schematics, passing 98% of continuity and hipot tests the first time.
- Align linear guides and motors to 0.002 inch with calipers and dial indicators.
- Update build status and shortages in Excel each shift for a 4-person cell and its planner.

### Cable Assembler

06/2021 - 03/2023

Valley Harness Solutions

Tempe, AZ

Builds custom cable and wire harness assemblies for aerospace and industrial customers.

- Crimped, soldered and labeled 300+ cable assemblies a week to customer drawings.
- Tested continuity with multimeters on every harness, keeping customer returns under 0.5%.
- Raised 15 drawing conflicts with engineering and resolved them before builds started.
- Built 20 aerospace harness prototypes a quarter from engineering sketches, documenting each change on redlines.

### Electronics Technician Intern

01/2021 - 05/2021

Sonoran Test Systems

Chandler, AZ

Semester internship in a test equipment repair shop.

- Repaired 25 power supply and I/O boards, logging each fault in the repair database.
- Fabricated 10 test cables with crimped D-sub and circular connectors to drawing.
- Calibrated 30 bench multimeters against a reference standard and updated the records.

## Education

### Associate of Applied Science

05/2021

GateWay Community College

Phoenix, AZ

Electronics Technology

## Skills

- Electrical Assembly
- Mechanical Assembly
- Schematics
- Blueprints
- Production Hand Soldering
- Multimeters
- Calipers
- Crimping
- Excel
- Communication Skills

## Certificates

IPC/WHMA-A-620

Certified IPC Specialist

02/2022

IPC