Leocadia Brumfitt

Electromechanical Assembler, IPC/WHMA-A-620 Certified

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SUMMARY

Electromechanical assembler with 6 years building pump controllers, motor drives and wire harnesses on cell-based production lines. Holds IPC/WHMA-A-620 certification, works from drawings, BOMs and torque specs, and keeps a 99.2% first-pass yield at final test across the last 18 months. Trains new hires on two stations and leads the cell's 5S audits.

EXPERIENCE

Electromechanical Assembler II — Brightcastle Pump Controls

Doral, FL · Apr 2021 – Present

- Build 22-26 variable-speed pump controllers per shift from drawings and BOMs, with a 99.2% first-pass yield at functional test over 18 months.
- Cut harness rework at the controller cell from 14 units a month to 4 by adding a pull-test and label check before each harness moves to final assembly.
- Torque 40+ fasteners per unit to spec with calibrated drivers, logging values in the traveler, with zero torque escapes found at the last 3 customer audits.
- Rebuilt the kitting layout for 2 stations with the line lead, cutting part-hunting time by about 6 minutes per unit.
- Trained 7 new assemblers on crimping, routing and ESD handling; 6 were signed off on their station within 4 weeks.

Production Assembler — Fenwater Appliance Works

Hialeah, FL · Sep 2018 – Mar 2021

- Assembled door, hinge and control-panel subassemblies for 180-220 commercial ice machines a week on a paced line.
- Kept station output at 100% of takt for 11 straight months while rotating across 4 stations.
- Flagged a misdrilled hinge bracket lot on the first unit of a shift, stopping 60 brackets from reaching the line.

SKILLS

Assembly: Mechanical and electromechanical assembly, wire harness routing, crimping and pull testing, soldering basics, pneumatic and torque tools

Documentation: Work instructions, drawings and BOMs, travelers, torque logs, nonconformance tags

Quality: IPC/WHMA-A-620, first-article checks, calipers and go/no-go gauges, ESD control, 5S

Equipment: Calibrated torque drivers, crimp presses, hipot and continuity testers, forklift (certified)

CERTIFICATIONS

IPC/WHMA-A-620 Certified IPC Specialist, 2024

ESD Control Program Training, 2022

Powered Industrial Truck (Forklift) Certification, 2020

EDUCATION

High School Diploma, Miami Lakes Senior High School, 2017

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