

DEREK LINDQVIST

MANUFACTURING ENGINEERING TECHNICIAN

CONTACT

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🏠 Minneapolis, MN

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SUMMARY

Manufacturing engineering technician with 6 years in medical device and industrial controls assembly. Designs fixtures in SolidWorks, reads electrical schematics to build and debug test stations, and runs root cause analysis on line failures with engineers. Known for troubleshooting skills, organized documentation in Microsoft Word and Excel, and clear communication with operators.

SKILLS

- SolidWorks
- CAD Software
- Electrical Schematics
- Root Cause Analysis
- Troubleshooting
- Fixture Design
- IQ/OQ Validation
- Microsoft Excel
- Microsoft Word
- Organizational Skills

EDUCATION

Associate of Applied Science

05/2020

Dunwoody College of Technology

Minneapolis, MN

Engineering Technology

CERTIFICATES

Certified SOLIDWORKS Associate (CSWA)

03/2021

Dassault Systemes

IPC-A-610 Certified IPC Specialist

09/2020

IPC

EXPERIENCE

Manufacturing Engineering Technician

01/2023 - Present

Northstar Medical Assemblies

Plymouth, MN

Contract assembler of catheter delivery systems and handheld surgical tools.

- Design 30+ assembly and inspection fixtures in SolidWorks CAD software, cutting cycle time 15% on 2 catheter lines.
- Build and wire functional test stations from electrical schematics, adding 3 stations that raised capacity **40%**.
- Lead root cause analysis on line failures with engineers and write the work instruction updates that close them.
- Execute IQ/OQ protocols on new equipment and compile results in Microsoft Excel for validation sign-off.

Electromechanical Test Technician

06/2020 - 12/2022

Twin Cities Controls

Eden Prairie, MN

Builder of industrial motor drives and control panels.

- Tested and debugged 60 motor drive boards a week, isolating faults to component level with a meter and scope.
- Pinpointed recurring field returns to a cold solder joint, prompting a process change that cut returns 27%.
- Updated 45 build documents in Microsoft Word to match engineering change orders within 2 days of release.
- Maintained calibration on torque drivers and gauges monthly and kept the log ready for customer audits.

Electronics Assembler

09/2018 - 05/2020

Lake Street Electronics

Minneapolis, MN

Part-time job at a cable and panel shop while in school.

- Assembled 150 cable harnesses a week to drawings, with a 99% pass rate at final test.
- Wired 12 control panels from schematics under a senior technician's review.
- Organized the wire and connector stock room, cutting picking time for the 8-person crew.