Avery Gagnon Reyes

Manufacturing Engineer · Assembly Processes

manufacturing-engineer@example.test · Québec City, Canada

Summary

Manufacturing engineer turning pilot builds into repeatable assembly processes. Balances safety, capability and throughput by testing changes with operators and quality teams before release.

Experience

2022-05 – Present **Manufacturing Engineer**
Grey Alder Motion Systems

- Redesigned the fixture for a motor cover assembly. Reduced median changeover from 18 to 11 minutes across 20 observed changeovers per method.
- Investigated a recurring alignment fault with production and quality teams. Revised the locating features and held the first 60 units for inspection before release.
- Brought four pilot stations into production. Documented process limits, trained the shift leads and agreed the first-week escalation criteria with supervisors.

2019-05 – 2022-04 **Manufacturing Engineering Associate**
Tamarack Bay Instruments

- Maintained bill-of-material and work-instruction revisions through two product transfers. Checked line copies before the first run.
- Measured cycle times at constraint stations and validated operator observations with repeat samples.

Education

2019 **BEng Mechanical Engineering**
Rivière Cedar Engineering Institute

Skills

Fixture design · Process capability · Work instructions · Pilot build transfer

Languages

French · English