

Amrit Randhawa

Manufacturing coordinator

Brampton, ON

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(587) 938-6009

Work Experience

Manufacturing coordinator

Amphenol CTI-industries

November 2017 to September 2018

- Evaluates manufacturing processes by designing and conducting research programs; applying knowledge of product design, fabrication, assembly, tooling, and materials.
- Develops manufacturing processes by studying product requirements; researching, designing, modifying, and testing manufacturing methods and equipment; conferring with equipment vendors.
- Improves manufacturing efficiency by analyzing and planning work flow, space requirements, and equipment layout, implementing lean manufacturing, 5S, six sigma principles.
- Assures product and process quality by designing testing methods; testing finished- product and process capabilities; establishing standards; confirming manufacturing processes.
- Provides manufacturing decision-making information by calculating production, labor, and material costs; reviewing production schedules; estimating future requirements.
- Prepares product and process reports by collecting, analyzing, and summarizing information and trends.
- Maintains product and process data base by writing computer programs; entering data.
- Completes design and development projects by training and guiding technicians.
- Maintains professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies.
- Conduct internal audits following ISO 9001-2015 standards within the various department to ensure the smooth process flow.

Electro-mechanical technician

Ram manufacturing ltd

September 2014 to April 2017

- Read schematics, diagrams and technical order documents, to determine the method and sequence of assembly
- Program smart relays with PLC (Allen Bradley) and test the functionality of program to ensure elevators and lifts perform expected functions.
- Perform preventive on elevators and lifts and maintain database on repairs performed.
- Align, fit and assemble component parts on lifts using hand and power tools.
- Observe and test operation of machinery or equipment to diagnose malfunctions
- Wire, install and troubleshoot electrical panels using various tools and components.
- Verify dimensions and clearances of parts to ensure conformance to specifications, using precision measuring instruments such as tape measures, calipers, micrometers.
- Troubleshoot defective quality parts and diagnose ways to repair equipment using multimeter and test mates.

- Assist in building prototypes to specifications, Analyze and record test results and prepare written documentation.
- Perform final inspection on the product to ensure quality and performance of each unit and records the results in the database.

Education

Electro-Mechanical Engineering Technology

Humber Institute of Technology and Advanced Learning - Toronto, ON

Skills

Robotics, PLC Programming (2 years), Testing and inspections (3 years), Lean Manufacturing, 5S, Six sigma (3 years), PPAP Process (1 year), APQP Process (1 year)

Certifications/Licences

ISO 9001-2015

WHMIS

Additional Information

SKILLS

TECHNICAL SKILLS

- Strong knowledge of general engineering
- Setting up, calibrating and troubleshooting inspection machineries
- Automation and Control Engineering, PLC Programming: AB PLC, Controllogix, Micrologix,
- Skills and understanding in Pneumatics, Industrial Hydraulics, Reading Industrial Automation Robotics
- Mechanical and Electrical Schematics, Automated Manufacturing Processes
- Perform jobs related to installing, troubleshooting, maintaining control system, manufacturing support using mechanical and electrical diagnostic tools, and robotics programming (Motoman, Fanuc, Wittmann, Kuka, Panasonic)
- Excellent knowledge of MS Office (PowerPoint, Visio, Word), AutoCAD (2D and 3D CAD Files).