

## COMPANY OVERVIEW

Lowell Manufacturing Co. is a leading manufacturer specializing in precision sheet metal fabrication. Established in 1947, recognized for producing high-quality audio, video, and power management products. Our expertise includes the design and manufacturing of speaker enclosures, volume controls, racks, enclosures, and power distribution systems used in professional AV installations, telecommunications, and data centers. We pride ourselves on delivering high-quality products through our advanced machinery and innovative solutions. Our team values dedication, collaboration, and continuous improvement.

## JOB SUMMARY

We are seeking a skilled Programmer with experience in sheet metal precision manufacturing. The ideal candidate will have hands-on experience of both online and offline programming for machines such as Panel Benders, CNC Press Brakes, and CNC Laser Cutting Machines. While a degree in Industrial Engineering or a related field is preferred, it is not required. Industry knowledge and a commitment to quality and efficiency are essential.

## KEY RESPONSIBILITIES

- Develop and optimize CNC programs for Panel Benders, CNC Press Brakes, and CNC Laser Cutting Machines.
- Creating, simulating, and optimizing CNC programs away from the actual machine, using specialized software to generate the tool paths and machine code.
- Interpret technical drawings, blueprints, and CAD files to create accurate machine programs.
- Collaborate with production and engineering teams to ensure efficient workflows.
- Creating and modifying CNC programs directly on the machine's controller in real-time.
- Troubleshoot programming issues and recommend improvements for productivity and quality.
- Maintain detailed documentation of programs and revisions.
- Stay current with industry's best practices and machine technologies.

## QUALIFICATIONS

- Proven experience in CNC programming within a sheet metal manufacturing environment.
- Proficiency in CAD/CAM software (e.g., AutoCAD, SolidWorks, sigma bend to automate the process of generating bending sequences for CNC press brakes, and sigma nest to arrange (nests) parts on a sheet of metal to minimize material waste.
- Strong understanding of sheet metal fabrication processes and machine capabilities.
- Ability to read and interpret engineering drawings and GD&T.
- Excellent problem-solving skills and attention to detail.
- Strong communication and collaboration skills.
- Industrial Engineering degree preferred but not required.

## GENERAL INDUSTRY KNOWLEDGE

- Familiarity with material properties and sheet metal behavior during forming and cutting.
- Knowledge of material such as stainless steel, aluminum, and carbon steel and the material respond to various fabrication processes. This includes knowledge of factors like material thickness, tensile strength, bend allowances, spring back, and grain direction, which influence the accuracy and quality of the final product.
- Experience in adjusting machine settings to accommodate material-specific characteristics and ensuring optimal cut quality, minimal waste, and reduced tool wear is essential.
- Understanding machine maintenance and operational safety standards.
- Knowledge of lean manufacturing principles and process optimization.

## COMPENSATION AND BENEFITS

- **Competitive starting pay**
- Health, vision, and dental insurance offerings
- 401k plan with company match
- Paid time off
- Opportunities for professional growth and development.

## HOW TO APPLY - [Apply On-line](#)

If you are a motivated and experienced programmer looking to make an impact in a dynamic manufacturing environment, we encourage you to apply! Please submit your resume and a cover letter highlighting your relevant experience.