**Fabrication Laser Design Programmer**

**Livonia, MI**

**Removal Date: June 9, 2019**

At Roush, we fuse technology and engineering to provide product development solutions to customers in a diverse range of industries. Widely recognized for providing engineering, testing, prototype, and manufacturing services to the transportation industry, Roush also provides significant support to the aerospace, defense and theme park industries.  With over 4,000 employees in facilities throughout the United States, Europe, Asia, and South America, our unique combination of creativity and tenacity activates big ideas on a global stage.  We want motivated, ambitious people who put the needs of our customers first, bring creativity to their work and will do whatever it takes to achieve success.  If you share our passion for providing innovative solutions to complex challenges, we want you on our team.

Roush is searching for a Fabrication Laser Design Programmer to join our team! This position will be located in Livonia, MI.

**Responsibilities**

* Interrogate and unfold customer geometry to a flat pattern from formed part CAD files utilizing SheetWorks (SolidWorks) and/or Rhinoceros software
* Performs simulations on programs (Amada) to ensure proper clearance of workpiece/press break tools
* Note and change routings when needed.
* Providing prints using Rhinoceros for weld shop, assembly, forming and laser; This may include assembly prints, and pulling dimensions needed for fabrication
* Maintain methods and process files for work centers and update software as needed
* Use basic flat blank drawing skills in Rhinoceros to make necessary drawing changes
* Performs other duties as assigned by supervisor

**Qualifications**

* High school diploma or equivalent
* Minimum 2 years of related experience to include hands-on shop floor experience
* Strong ability to read engineering drawings and understanding of geometric dimensioning and tolerancing (GD&T)
* General knowledge of metal fabrication processes including but not limited to:
	+ Machining
	+ Welding
	+ Bending/Forming
	+ Laser cutting
* Requires knowledge of CAD/CAM manufacturing application software
* Working knowledge and understanding of material type, gauge thickness and specialty material specifications
* Professional verbal and written communication skills

**Preferred Skills**

* Trade or technical schooling
* Proficient in 3D CAD systems Catia, ProE, SolidWorks, Autodesk Inventor and/or AutoCAD
* Knowledge of hole sizes required for tapping and tolerances
* CAD-CAM training
* Programming experience for Amada lasers or equivalent

To apply, please visit the Roush careers page by clicking on this link: <https://roush.applytojob.com>

Our benefits include: medical, dental, vision, life insurance, LTD, 401K, tuition reimbursement, paid vacation, and paid holidays.

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