



# Star-SU, LLC Job Description



**Job Title** CNC Controls/Software Engineer      **Location** Star SU, LLC  
Hoffman Estates, IL

**Reports to** Supervisor

## Role

The role of our CNC Controls/Software Engineer is to service all machines sold by Star SU which include (but not limited to) runoff, installation, training customers, warranty support and additional support based on customer needs after machine warranty expires both domestic and international.

## Responsibilities

- Control integration to external automation, RFID and FIS integration, customer training, software changes and updates as well as retrofits of FFG Modul gear hobbing, chamfer/deburring, Samputensili gear grinding and gear shaving, FFG turning and metal cutting machine tools, plus additional machine tools as required
- Interpretation of error messages and systematic trouble-shooting and repair
- Customer contact and support via phone, e-mail and remote online communication to machine PC
- PLC/ladder software design and development with Step 7 Siemens and Ladder Logic for Fanuc CNC controls and understanding of high level language (C++, C#, etc.)
- Ability in CNC configuration and programming, understanding of HMI designs
- Translate customer functional requirements into maintainable code
- Design, program, and debug basic PLC/ladder features
- Read and understand basic electrical and fluid power schematics
- Work closely with the OEM's and Automation suppliers software and control engineering on software developments and implementation
- Willingness to travel up to 50-60%. The position could also involve customer machine acceptance and training at the OEM in Europe and therefore will require a valid passport
- Candidates must be legally authorized to work in the United States on a permanent basis. Verification of employment eligibility will be required at the time of hire. Visa sponsorship is not available for this position

## Knowledge and Skills

- Ability to read mechanical, pneumatic, electric and hydraulic prints
- Customer support oriented understanding
- Ability to work systematically and independently
- Knowledge of various control systems (Siemens 840D and Fanuc)
- Good communication and organization skills
- Knowledge of spindle and axis drives on CNC machines
- Understanding of ISO CNC G and M code programming
- Basic troubleshooting skills in electrical, PLC, or CNC systems

**Education Requirements**

- Bachelor's Degree in Electrical or Computer science or related field from four-year college or university (or equivalent experience)

**Experience Requirements**

- Entry level to 2 - 4 years' experience (not including education)
- Some experience in a related gear industry and knowledge in the field of gear technology
- Experience with Siemens Step 7 or Siemens 840D Controls (some Fanuc)

Please submit resume to:

Star Cutter Company  
Human Resources Department  
4210 Doyle Drive  
Lewiston, MI 49756  
[hr@starcutter.com](mailto:hr@starcutter.com)