



Job Title: Applications Engineer – CNC Grinding Industry

About Us:

Campbell Grinder Company is a leader in high-precision engineering and advanced CNC grinding solutions, specializing in delivering high-quality machines and innovative technology to our clients in the aerospace, defense, and machinery industries. We are seeking an experienced Applications Engineer to develop and optimize CNC grinding applications and support customers.

Position Description:

The Applications Engineer supports the development, programming, and optimization of precision grinding machines from concept through machine acceptance, installation, and customer training. This role involves developing grinding processes, CNC programming, and technical documentation while collaborating with cross-functional engineering teams to ensure successful machine performance and customer application success.

Essential Job Duties and Responsibilities:

- **Process Development and Programming** Develop and refine grinding processes for CNC grinding machines. Create CNC programs, macros, and parametric code to support machine functionality, accuracy, and performance requirements.
- **Engineering Collaboration** Work closely with Mechanical, Electrical, and Controls Engineering teams to translate application requirements into production-ready machine processes. Collaborate with Design Engineering to ensure proper integration between machine design and application performance.
- **CNC Programming and Automation** Develop, implement, and troubleshoot G & M code for grinding, probing, turning, and tool change routines. Utilize Fanuc control systems and supporting software tools to optimize machine functionality. Support development of user interfaces, automation features, and data collection systems as needed.
- **Machine Testing and Validation** Support machine runoffs, acceptance testing, and process validation. Evaluate grind results, troubleshoot performance issues, and implement programming or process refinements to meet customer specifications.
- **Continuous Improvement** Contribute to initiatives aimed at improving machine performance, process efficiency, and customer outcomes. Participate in design and process reviews to improve reliability, repeatability, and cycle time performance.
- **Technical and Customer Support** Provide applications support during machine assembly, installation, and customer acceptance. Train customers on grinding processes, programming methods, and machine operation. Communicate effectively with service teams, sales teams, and customers regarding application performance and improvements.
- **Sales and Proposal Support** Develop process estimates, time studies, and tooling recommendations. Support sales engineering by assisting with machine layouts, cycle time analysis, and application feasibility reviews.
- **Travel** Travel to customer or vendor sites as required (typically up to 35%).
- The above description in no way states that these are the only duties to be performed by someone with this job title.

Preferred Knowledge & Skills:

- Proficiency in CNC programming including G & M code, macros, and parametric programming
- Understanding of grinding processes, tooling, and machine tool applications
- Familiarity with Fanuc CNC controls





- Understanding of mechanical systems, electrical systems, hydraulics, pneumatics, and machine tool functionality
- Experience with troubleshooting and process optimization
- Working knowledge of Microsoft Office applications
- Experience with C# programming Use of C# in Visual Studio for developing user interface and data collection systems.
- Experience with 3D CAD/CAM, Siemens NX, or SolidWorks preferred
- Strong problem-solving skills, attention to detail, and ability to manage multiple projects

Education & Qualifications:

- 2-5+ years practical experience in applications engineering, preferred.
- Experience in CNC programming, grinding applications engineering, or related precision manufacturing industries preferred.
- Bachelor's degree in Engineering or Computer Science preferred.

Company Benefits:

- Relocation assistance
- Company Matched 401(k)
- Health, Dental and Vision Insurance on day one
- Life & AD&D Insurance
- Flexible Spending Account
- Paid Time Off (PTO)
- Bonus Program
- Wellness Reimbursement

