



Southwestern Industries, Inc.

Senior Motion Control Engineer

Job Description

Company

SWI is a manufacturer in the field of metalworking machinery. Our main product is a specialized computer that controls machine motion. The main office is in Rancho Dominguez, CA just south of Los Angeles off the 91 and 710 freeways. We have customers all over North America and a wholly owned subsidiary in the UK. For more information about the company, see our website at www.southwesternindustries.com.

Job Overview

We are looking for a senior level motion control engineer to come join our engineering team. This position involves developing our next generation motion control system and applying our current systems to new applications.

Duties

- Develop New Platform – help develop next generation motion control system.
- Develop New Applications – implement new firmware/motion control software. Work within a team environment to develop new products.
- Problem Solver – help identify weaknesses in our current motion control system and propose solutions to increase performance levels of control. Identify tools needed to better characterize our machine tools in order to develop better algorithms.
- Code maintenance – sustain existing motion control code to address bugs and add basic enhancements.

Qualifications

- BS or MS in EE, ME or computer science
- 10+ years of experience in firmware/software and motion control
- Experience with assembly language programming, specifically Motorola 68000
- Experience with Motorola family of processors & DSP's
- Motion control experience in our industry is a big plus
- Good communication skills in order to interact with managers and other engineers
- Provide leadership to motion control group
- Ability to manage and drive projects