



Job Description

Position Title: Machine Set-Up Technician		Date: June 16, 2004	Revision: October 2011
QSD 4.18 JOBID Feb. '97	Reports to: Engineering Manager		
	President: Brian Pelke	Human Resource Manager: Jeff otto	

General description

The Machine Set-Up Technician writes and improves G-Code for CNC turning machine tools. Works with tooling suppliers to improve tool life, improve cycle time, reduce scrap, and reduce tooling costs.

Functions

- Maintains and troubleshoots processes; prevents, identifies and solves problems in process and machines
- Checks data on parts, processes or production for accuracy
- Makes and modifies CNC programs using computer terminal
- Sets up machines and / or operates manufacturing equipment
- Keeps current on tooling concepts & processing
- Performs other associated responsibilities as assigned

Qualifications

- Has sufficient vocabulary; understands and interprets written information; follows written and verbal directions
- Must have completed general business courses including accounting, financing, and economics
- Must have the ability to program, understand machining, tool geometry, GD&T, and read and write G and M code
- Knowledge of the automotive drivetrain is a plus
- Must have formal training in CNC programming
- Advanced mathematical and statistical concepts or procedures such as trigonometry and statistical process control (SPC)
- Must know basic inspection and testing concepts. Must know how to read and interpret blueprints and GD&T information
- Familiarity with the Advanced Product Quality Process
- Maintain a membership in SME or SAE and/or registration as a professional engineer
- Must possess basic computer skills
- In some instances travel will be required

Education

- Bachelor degree in Manufacturing, Industrial Engineering, or appropriate training through a recognized tooling and programming program



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Reasoning ability

- Ability to apply common sense understanding to carry out detailed written or oral instructions
- Ability to deal with problems involving a few concrete variables in standardized situations

Physical demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

While performing the duties of this job, the employee is regularly required to stand, walk, and use hands to finger, handle, or feel objects, tools, or controls. The employee frequently is required to talk or hear. The employee is occasionally required to reach with hands and arms and stoop, kneel, or crouch.

The employee must regularly lift and move up to 25 pounds, and occasionally lift and move up to 40 pounds. Specific vision abilities required by this job include close vision, peripheral vision, depth perception, and the ability to adjust focus.