CNC Programmer

Purpose:

The CNC Programmer will have the responsibility for developing part process, CNC programs and some setting up and running of advanced milling equipment. Initial focus will be with (but not limited to) manufacturing of various Plastic Injection Mold components.

Principle Accountabilities/Duties:

* Develop process and create CNC programs efficiently to perform diverse and difficult operations requiring close/exact tolerances on products with various dimensions while working with unusual/arbitrary shapes and finish specifications.

* Work with a variety of metals (alloys) such as: Tool Steels, Stainless Steels, Carbon Steels and aluminum.

* Work with solid models and surface files creating moderate to challenging 3D tool path strategies using advanced machine tooling and fixture concepts with Mastercam software (see "Software Notes" in the next section for additional systems.)

* Continuous support by driving process and productivity improvements as well as maintaining current technology standards or developing new cutting/programming technology and methodology.

* Some machine/tooling set ups on 3 axis milling equipment including some program prove outs.

* Diagnose programming/machining issues to instruct or execute solutions and corrections.

* Create detailed work instructions, machine set up and tooling information using MasterCam.

* Organized to work periodic events of multiple tasking, activities and projects.

* Assist with developing and identifying best practices throughout the site.

Helpful (nice to have) additional skills or experience:

- Software Notes: Mastercam is primary CAM system used
- Experience with advanced tooling and tool path strategies along with high horsepower/high RPM applications and theory (i.e.: HSM, HVM, ZSM, Thin Wall, deep cavity/hog out work using extended tooling, etc.).
- Macro programming and Renishaw Spindle Probe programming.
- Good understanding of machine kinematics, structural integrity, volumetric efficiency, controller processing
- Experience with advanced work-holdings such hydraulics, pneumatics, robotic, vacuum, linear/rotary transfer, modular or gang systems.

- Experience with advanced 3D programming techniques for complex components, and assemblies