

Job Title: Manufacturing Engineer (PartMaker & Star Swiss Specialist)

Role Objective

We are seeking a **Hands-On Manufacturing Engineer** to join our machining team. In this role, you will be the technical bridge between our Engineering Manager and our Setup Technicians. You will own the process from the initial **PartMaker** program to the physical "First-Off" setup on our **Star Swiss, Takisawa,** and **Haas** machines.

This is not a "desk job." We need a technical leader who can prove out their own programs on the floor, troubleshoot mechanical issues, and hand off a "bulletproof" process to our setup team.

Key Responsibilities

- **PartMaker Programming:** Create high-efficiency, multi-channel programs for **Star Swiss** machines using PartMaker. You will optimize "Wait Codes" and synchronization to minimize idle time and maximize throughput.
- **Lead Setup & Prove-Out:** Take full responsibility for the initial setup of new, complex parts. You will physically set the tools, align the guide bushings on the **Stars**, and bore the jaws on the **Takisawa/Haas** lathes.
- **Process Stabilization:** Before handing a job over to our Setup Persons, you will verify the process is stable, the tool life is predictable, and the cycle time is optimized.
- **Tooling Innovation:** Select and implement high-performance tooling and high-pressure coolant strategies, specifically focusing on chip control in the tight envelopes of a Star machine.
- **Technical Mentorship:** Act as the "on-the-floor" expert for the setup team, helping them troubleshoot difficult offsets or mechanical chatter issues on the Takisawa and Haas cells.

Technical Requirements

- **Software Mastery:** Proficiency in **PartMaker** (Autodesk) is required. Must be able to manage multi-axis synchronization and simulation. Willing to provide training.
- **Star Swiss Expertise:** Extensive hands-on setup experience with **Star** (SR, SB, or SV series) machines, including guide bushing adjustment and sub-spindle handoff.
- **Lathe Versatility:** Strong setup and programming skills for **Takisawa** (Fanuc) and **Haas** (ST-series) fixed-head lathes.
- **Control Systems:** Deep knowledge of **Fanuc** (Star/Takisawa) and **Haas** control architecture.

- **GD&T Proficiency:** Ability to interpret complex blueprints and ensure setups meet sub-thousandth tolerances consistently.

The Team Structure

- **Collaborate** with a strong **Engineering Manager** on DFM (Design for Manufacturing) and high-level production strategy.
 - **Support** a team of dedicated **Setup Persons** by providing them with clean, verified PartMaker programs and well-documented setup sheets.
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Qualifications

- **Experience:** 7+ years of CNC machining experience desired, with at least 3 years in a Manufacturing Engineering role.
- **Hands-on:** Must be able to demonstrate a track record of setting up complex Swiss and Turning jobs from scratch.
- **Language:** Ability to edit G-code at the machine and write custom macros when PartMaker needs a manual tweak.

\$30 - \$45/hr based on experience

M – Th 6:00am – 4:30pm

M – Th 4:30pm – 2:00am (2nd shift)

M – F 6:00am – 2:30pm

M – F 2:30pm – 12:00am (2nd shift)

PLEASE REACH OUT TO JOHN KOZIOL WITH YOUR RESUME IF INTERESTED

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