



CNC Machinist - Optics

The Coherent Integrated Optical Systems business unit is a precision optics and optical assemblies design and manufacturing group, which specializes in high-precision aspheres for a variety of specialized applications including semiconductor and flat-panel display manufacturing, ground and space-based telescopes, defense systems and other exotic scientific and government-sponsored programs. The business encompasses the Tinsley Custom Optics product line, and is located in Richmond, CA.

Essential Responsibilities

- Interprets and evaluates optical component drawings and determines best processes and methods needed to meet drawing specifications.
- Programs tool paths for the CNC machining of glass and other optical materials.
- Operates Haas and DMG-Mori 3 and 4-axis vertical and horizontal machining centers to shape optical materials to precise dimensions.
- Utilizes conventional optical machining equipment to shape optical materials.
- Coaches and trains junior CNC technicians in glass machining techniques, optical fabrication methods, and CNC programming using Mastercam.
- Participates in process development efforts that expand capabilities, increase yield, and improve cycle time.

Education and Work Experience:

- The ideal candidate will have 5-10 years of experience with precision CNC machining of glass (**preferred, and is optional**). Coherent will train on machining of glass.
 - Fluent in computer-aided machining software (Mastercam, SmartCam, or equivalent).
 - Understanding of GD&T tolerances and technical drawing interpretation.
 - Ability to train and coach junior CNC technicians in the programming and machining of complex glass geometries.
 - Experience with classical optical generating techniques, such as blancharding, spherical generating, edging, and cropping (preferred, and is optional).
 - Experience working with aspheric optical surfaces, including an understanding of sag calculations, aspheric departure, wedge, and decenter (**preferred, and is optional**).
- *Experience working with metal and ceramics products will be considered.

Interested candidates, please forward resumes to marta.mena-gordon@coherent.com