

Coherent is a world leader of lasers and laser-based technology for materials processing, microelectronics, scientific, life sciences and medical customers. The light we deliver touches almost every aspect of human life—vision correction to cell analysis, precision welding to 3-D metal printing, gravity wave detection to brain research. Put your talents to work at Coherent where you can create and innovate enabling technologies that will push the frontiers of science and technology.

Coherent's Advanced Crystal Group has an opening for a Manufacturing Engineer with experience in high temperature crystal growth techniques. We are looking for a detail-oriented, hands-on engineer who will join our crystal growth team to sustain and improve existing processes.

Responsibilities:

- Master and improve our existing process technology, including process execution as well as assisting, training, and working closely with technicians
- Construct, operate and troubleshoot high temperature crystal growth equipment
- Conduct Lean activities in the manufacturing area such as improving data collection, updating work instructions and improving processes
- Participate in transferring new processes from R&D into production
- Apply statistical process control procedures and practices
- Achieve and maintain a working knowledge of material quality metrics to respond to and resolve routine production issues (Failure analysis, Root Cause Determination and Implementing Corrective Actions)
- Identify and track process deviations to understand their effect on process yield, reliability and quality

Minimum Qualifications:

- Bachelor's degree in a scientific or engineering discipline such as materials science, chemistry or physics
- Minimum 5 years of hands-on experience with bulk crystal growth processes such as Czochralski, Kyropoulos, Bridgman, Flux, HEM, TSSG, etc.
- Experienced in the operation and troubleshooting of high temperature processing equipment
- Experienced in raw material batching

Desired Qualifications:

- Previous experience implementing and conducting Lean or other continuous improvement activities
- Ability to work independently as well as in a team environment
- Excellent communication skills
- Strong analytical ability
- High degree of attention to detail