

**Senior Crystal Growth Scientist/Engineer
Radiation Monitoring Devices, Inc.**

Radiation Monitoring Devices, Inc. (RMD) is a successful research company devoted to the development of new radiation sensor and systems technologies for commercial, medical and government use. Much of this research is performed under government and private contracts and grants through programs like the Small Business Innovation Research (SBIR) program and Broad Agency Announcements (BAA). Since it's founding in 1974, RMD has developed and introduced many innovative products to market.

To support our expanding scintillator and semiconductor research efforts RMD is seeking a Senior Crystal Growth Scientist/Engineer. The candidate will provide support in crystal growth, processing and characterization of advanced scintillator and semiconductor materials and devices.

Responsibilities:

- R&D and Production knowledge of crystal growth, processing and characterization
- Design, build, optimize and maintain crystal growth, processing and characterization equipment and processes
- Develop and improve crystal growth and fabrication processes for increased quality and yield
- Synthesize and purify high purity starting materials
- Prepare and grow rare earth halide and semiconductor single crystals
- Process and characterize the physical properties of scintillator and semiconductor crystals
- Develop improved hermetic scintillator packaging for moisture sensitive crystals
- Deliver internal and external presentations on research results
- Write award-winning proposals and generate new contracts

Qualifications:

- 10+ years of experience in Bridgman or Czochralski crystal growth
- BS, MS or Ph.D in Material Science, Chemistry, or Physics
- Excellent written and oral communication skills
- Experience in writing successful proposals and securing research grants
- Creative, detail-oriented individual capable of juggling multiple research projects
- Hands-on experience in equipment building and trouble shooting
- Some glassblowing skills and experience with material handling in a glovebox environment
- Access to a vehicle for occasional pickup and delivery of research supplies from local vendors