



## SENIOR MATERIALS ENGINEER

Immediate Opening

**Location:** Folio Photonics, Solon, OH

**Job Type:** Full time

### COMPANY DESCRIPTION

Folio Photonics is a dynamic startup company focused on commercialization of an innovative multi-layer optical disc and accompanying read/write drive for high capacity optical data storage. This technology represents the next evolution in disc technology, with the potential to exceed 1 Terabyte on a standard 120mm disc. Our engineering group is composed of talented individuals that work together to create new ideas, improve our understanding, and generate results.

### JOB DESCRIPTION

Senior Materials Engineer will work on the development of materials and extrusion processing of multi-layer thin films for optical data storage. If you are a talented engineer with desire to create many aspects of a complex system, this position is right for you.

#### Job Duties:

- Select, process and analyze thermoplastic materials and fluorescent compounds for novel multi-layer films
- Analyze and design polymer co-extrusion processing to obtain uniform nanoscopic layers
- Conduct rheological studies of the melts to optimize extrusion parameters
- Characterize film defects, and develop techniques to reduce defects
- Collect, compile, and present data, for internal use and to show progress to attract investment.
- Display good interpersonal skills to work with our cross-functional team, offering guidance and lending assistance to achieve our ultimate goals.
- Demonstrate a strong work ethic with desire to deliver results.
- Provide overall support to the Folio Photonics team

#### Essential Qualifications:

- Master of Science degree in scientific or engineering fields, PhD is a plus
- **Experience with polymer co-extrusion processing is required**
- Knowledge of polymer materials and analytical methods, including investigative techniques and tools, and root cause analysis
- Understanding polymer rheological behavior, polymer thermodynamics, heat transfer phenomena, mass transport, viscoelasticity and equipment design

### CONTACT

Email a cover letter and resume to [info@foliophotonics.com](mailto:info@foliophotonics.com). All serious applications from qualified individuals will receive a response.

*Folio Photonics is an equal opportunity employer.*