POSITION: Glass Scientist

LOCATION: Philadelphia, Pennsylvania

POSITION REQUIREMENTS
- M.S. or Ph.D. in Materials Science, Ceramic Engineering or related technical field.
- Strong understanding of glass/ceramic material compositions and properties.
- In-depth knowledge of the synthetic, process and/or formulation chemistry related to glass materials.
- Industrial glass R&D experience; material development for electronic materials preferred.
- Capable of managing to completion a variety of projects and programs simultaneously and efficiently.
- Ability to lead as well as work independently or in team environment as necessary.
- High-energy, self-motivated and responsible with mature judgment and initiative.
- Inquisitive and detail-oriented with the ability to set goals independently and to work without close supervision.
- Excellent interpersonal and communication skills (verbal and written).
- Team-oriented with the success of the company, organization, and business as the main objective.
- Career motivated with both technical and leadership ability to progressively assume broader responsibilities at a higher level in the organization in the future.

SPECIFIC RESPONSIBILITIES
- Support the R&D team by leading the identification and development of specialty glass materials for electronic materials applications, such as thick-films and ceramic tape casting.
- Set-up a preparation laboratory to make small quantities of glass for a wide range of applications.
- Develop glass for applications with process temperatures of 400C to 1400C.
- Develop glass for applications with specific chemical resistance.
- Organize analysis and benchmarking of commercial glass materials and select materials for optimum performance.
- Research and develop new glass compositions through experimentation and/or computer simulation work and introduce new raw materials.
- Support scale-up and production trials in order to translate new materials, compositions or processes from R&D lab to manufacturing.
- Interface with vendors in all aspects of glass requirements.
- Publish reports and/or presentations at regular intervals on assigned work projects.
- Interact with current and potential customers to determine technical requirements for new applications, to provide technical support, and to troubleshoot and resolve existing product problems.
- Evaluate new product opportunities with attention to manufacturability, cost, and equipment investment.
- Design, execute and analyze experiments to define and optimize process requirements for both new products and improved manufacturing practices for existing products.
- Implement changes in process technology required to bring new products to commercial success and to improve costs and profitability of existing product lines.
- Maintain glass science expertise by attending appropriate seminars.

CORPORATE CULTURE
- Financially strong company is a world leader in advanced materials for a wide variety of cutting edge applications.
- Private company with an opportunity to interface with individuals at all levels of the organization.
- Company is committed to developing new products, new applications, new markets, and new customers to augment reliable existing business.
- Entrepreneurial and team-oriented environment where creative ideas are encouraged and results, not just actions, are highly regarded.