



RESEARCH ENGINEER / SCIENTIST I **Rockwall, TX**

Graphics Microsystems, Inc. (GMI) is the world's premier supplier of closed loop color control systems, color management and reporting software and remote digital ink fountain control systems. The Company's products are sold to leading commercial, semi-commercial, newspaper and specialty printers in the heatset and coldset web printing markets as well as printing press OEMs worldwide. In addition, GMI also supplies the industry with press controls such as closed loop color-to-color register and ribbon/cutoff control systems. The Company's remote digital ink fountain control and closed loop color control products can be found at over 3,000 and 700 sites worldwide, respectively.

GMI's proprietary technology, outstanding value proposition, substantial installed base and innovative product development have enabled it to achieve its leading position in closed loop color control products, with a market share of approximately 60% worldwide.

POSITION SUMMARY:

Responsibilities include basic optical physics, metrology, and color science research in support of new product development, as well as fulfilling associated requirements for mathematical and statistical analysis.

ESSENTIAL FUNCTIONS:

- Participate as an integral team member on multi-disciplinary research related to new product development in the fields of color measurement and control and imaging science technologies.
- Provide technical assistance for projects needing analytical skills including mathematics, statistics, design of experiments, and data analysis.
- Works with other engineering disciplines to meet project objectives.
- Contribute technical expertise to symposia, journal articles and technical reports.
- Work requires a high degree of creative ability, engineering skill and independent judgment.

EDUCATION, EXPERIENCE AND SKILLS REQUIRED:

Requires a BS degree in Applied Mathematics, Physics, Computer Science, or Electrical Engineering and 3 years of relevant experience, **OR** MS degree in same (recent graduates considered).

Requires expertise in the areas of color science and metrology.

Requires comprehensive understanding of optical physics, imaging science and machine vision technologies.

Demonstrated experience in design of experiments.

Demonstrated experience in statistical analysis of data using advanced mathematical concepts, and one or more major statistical packages such as SAS.

Demonstrated ability to mathematically model data using MATLAB.

Experience with one or more object oriented programming languages a definite plus.

Demonstrated ability to participate in team projects.

Excellent interpersonal, oral/written, and presentation communication skills.