



JOB TITLE: Sr. Application Engineer
RADFORD POSITION TITLE:
RADFORD CODE:
REPORTS TO:
JOB REPLACED: Application Manager

DEPARTMENT: BSEMI Application
FLSA CLASS: (TBD by H.R.)
SUPERVISES:

SUMMARY OF RESPONSIBILITIES:

- Responsible for providing technical applications support for the development and implementation of BSEMI X-Ray and AAFM products in customer fabrication facilities.
- Provides follow-up support in disseminating technical information on specific X-Ray or AAFM applications.
- Works on complex problems where analysis of situations or data requires an in-depth evaluation of various factors
- Develop a strong understanding of competitive technologies and products in X-Ray or AAFM.
- Helps to maintain and increase X-Ray or AAFM product usage.
- Develops and maintains positive relationships with customers in assigned territory.
- Create, develop, and continuously improve the customer support & applications knowledge database.

ESSENTIAL FUNCTIONS:

- 85% Diagnostics and troubleshooting of X-Ray metrology and AFM metrology applications and systems, product training, installation, applications support and application development
- 15% Knowledge data base development.

ADDITIONAL RESPONSIBILITIES:

- Pre-sales support
- Other duties as assigned

PHYSICAL/ENVIRONMENTAL REQUIREMENTS:

- 70% travel domestically on short notice
- 30% travel internationally on short notice
- Able to work in production floor, cleanroom, & laboratory environments
- Must have a valid driver's license.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Ability to multitask and Excellent inter-personal communication skills
- A positive team player, self-motivated with strong analytical skills
- Energetic self-starter with a strong work ethic.
- Knowledge of Atomic Force Microscopy and associated applications highly desired.
- Knowledge of X-Ray Diffraction (HRXRD, XRR, XRF) and associated applications highly desired.
- Excellent verbal and written communication and presentation skills with MS office proficiency
- Fluent in English and Chinese.
- Familiar with office software

EDUCATIONAL/EXPERIENCE REQUIREMENTS:

- Requires Master or Ph.D in Material Science, Physics, Chemistry, or EE with with X-Ray or AFM experience and preferably have experience in the semiconductor fabrication industry, or equivalent experience
- Master's Level Degree with at least 2~3 years of experience, Ph.D Level degree with at least 0~1 year of experience in relevant fields
- Technical background in AFM and/or other surface characterization techniques is preferred, like X-Ray Diffraction.

Date created/modified:

Mgr. Approval: _____