

Engineering Test Technician – Die Bond, Wire Bond & Inspection

We are seeking a hands-on Engineering Test Technician to support testing, inspection, and assembly of semiconductors and photonic devices. This role combines electronic test activities with precision micro assembly tasks like die bonding and wire bonding, along with defect inspection and data documentation.

The ideal candidate brings a blend of electronic test capability, precision micro-assembly skills (die bonding and wire bonding), and disciplined documentation. As SemiNex grows rapidly, this position offers clear opportunities for technical growth and career advancement.

Key Responsibilities

Test & Characterization

- Set up and perform electronic and optical functional tests on semiconductor devices, subassemblies, and test fixtures, also set up burn-in and life tests
- Use test equipment (multimeters, oscilloscopes, power supplies)
- Document results accurately and report findings to engineering teams

Die Bonding & Wire Bonding

- Execute die attach and wire bond operations using bonding equipment
- Follow detailed work instructions and quality standards
- Inspect bonds and joints for mechanical integrity and specification compliance
- Assist with incoming and in-process inspection tasks to maintain high quality
- Aid in corrective actions for process deviations

Equipment & Maintenance

- Calibrate and maintain test equipment to ensure accurate measurements
- Follow ESD and cleanroom protocols in all handling and assembly tasks
- Support continuous improvement efforts in test procedures and yield tracking

Required Qualifications

- Bachelor's degree in electrical engineering or equivalent
- 3-5 years' experience in electronic testing or semiconductor manufacturing roles
- Strong working knowledge of ISO 7 cleanroom protocols and ESD control requirements.
- Hands-on experience with microscopes, wire bonding and die bonding equipment, and electronic/optical test equipment.
- Experience with die bonder and wire bonder or willingness to train on these skills
- Excellent manual dexterity and ability to work with microscopic parts
- Strong documentation and communication skills
- Ability to follow detailed procedures and specifications
- Eligibility to work in the United States

Compensation & Benefits

Competitive compensation package commensurate with experience, including base salary, benefits, and company stock.

Work Location:

Danvers, MA near I-95 and US Route 1. This position is factory based.