NAME

Material Science Engineer

Reports to: Test Lab Manager

Job Responsibilities:

1) Material Testing (80% of weekly workload)
   SBCT test lab material development.
   1. Bachelor or master degree of material science department.
   2. Work with SBCMH to determine the development of any new material required to be performed test at SBCT.
   3. Analysis tested specimens for metallography grain structure and hardness.
   4. Well documentation for all material analysis reports and management of tested specimens.
   5. Ensure that all machines in material lab or material lab related are receiving proper maintenance to obtain reliable test results and ensure the machine life is maximized.
   6. Following schedule and priority of testing to be performed to maximize throughput and testing results urgency.
   7. Be responsible for material analysis report for all SBC testing.
   8. Educate SBCT engineer team as required about metallography test standards, results and logic behind the tests.
   9. Sourcing or design new machines and consumables as required for SBC engineer team to test all products.
  10. Document for develop tested products and production testing products to ensure product quality is consistent with initial qualification results as defined in Production Testing Program document.
  11. Good mechanic skills.

2) Test Lab Testing (20% of weekly workload)
   SBCT test lab development and day to day running.
1. Work with SBCMH to determine the development of any new tests required to be performed at SBCT.
2. Ensure that all machines are receiving proper maintenance to obtain reliable test results and ensure the machine life is maximized.
3. Following schedule and priority of testing to be performed to maximize throughput and testing results urgency.
4. Be responsible for ETM data entry for all SBCT testing including entering data.
5. Educate SBCT employees in other departments as required about test standards, results and logic behind the tests.
6. Design new fixture tooling as required for SBCT test lab machines to test all products.
7. Document key supplier testing capabilities and develop production testing program to ensure product quality is consistent with initial qualification results as defined in Production Testing Program document.
8. Responsible for running tests and completing test documentation.