

Director of Manufacturing Engineering



DIRECTOR OF MANUFACTURING ENGINEERING

Purpose and duties of the job: (Be specific)

The Director of Manufacturing Engineering will implement process improvements in semiconductor wafer processing and equipment in addition to designing and implanting processes for new customers. The candidate will be able to take on reports and, by directing the efforts of these people in conjunction with the candidate's own direct hands-on work, drive multiple improvement projects simultaneously. The candidate will be heavily involved with development of new products, especially on the compound semiconductor products, in multiple materials systems: GaAs, GaN/SiC, GaN/Si, InP, etc.

Managing production line capacity, vendor negotiations, process flow managements and ensuring that the production meets cost, on time delivery, product yields, and quality goals. Work instructions and follower management including procedures, training, inspection documents, and project management. Hiring and tasking of a manufacturing engineers and technicians. Planning of DOE, maintaining process control plans, SPC Cpk controls, and FMEA.

Job Requirements: (List education, experience, knowledge and skill necessary to perform job)

1. Candidates should have a PhD or Master's degree and at least 3 or 7 years of experience, respectively.
2. Hands-on experience with semiconductor equipment and metrology tools. Familiarity with compound semiconductor processing is desirable.
3. Good written and verbal communication skills.
4. Experience with statistical process control (SPC), designs of experiments (DOE), process failure modes and effects analysis (FMEA) and training.