



MEMS/Semiconductor Process/Fabrication Engineer

Job Description:

Meridian Innovation is recruiting an experienced, highly energetic mobile and adaptive forward Semiconductor Process/Fabrication Engineer for wafer level vacuum packaging (WLVP) of infrared detectors, as a part of our integrated semiconductor chip sequencing technology. This position will involve working in a fast moving cross-discipline and highly creative environment. Daily job activities will include setting up foundry assembly and packaging processes of integrated CMOS MEMS devices utilizing metal evaporation, lithography, membrane release, wafer level bonding and wafer dicing all while having the unique opportunity of interfacing with our scientists.

The ideal candidate is a highly thinking person able to handle complex problem solving, team management, superb documentation and excellent team interaction. Hands on experience with CMOS wafer level packaging processes in class 100 clean room environment and set up of CMOS fab tools will make for a highly successful candidate.

Meridian Innovation is a well-funded start-up based in Hong Kong and Singapore, focusing on thermal imaging for commercial application. This is a unique opportunity to join our small, talented and very experienced team and help shape the future of our products.

Basic Qualifications

- Self-motivated, creative, hard-working person.
- Planning and set up class 100 prototype scale manufacturing line for WLVP
- Implementation thermo compression/eutectic bonding for CMOS based MEMS WLVP
- Pro-active assessment of risks/failure model
- Continues cost/quality/cycle time/functional performance improvement of processes
- Documentation of processes implementation and qualification plan
- Design and implementation of manufacturing systems for production environment
- Application of FMEA based approach to production line/data and system development to insure highly effective but low overhead approach to process capability monitoring
- Ability to interface with and lead integrated teams involving manufacturing and R&D
- Development of experiments to identify key relationships between parametric changes and product functional performance with detail data collection and analysis skill
- Bachelor / Master degree in Materials Science, Electrical Engineering, Chemical Engineering or Physics or equivalent 3 years of industry experience in semiconductor fabrication environments
- Proficiency with Word, Excel, Project, Power Point
- Proficient in English and Putonghua

Job Location(s): Hong Kong

Please contact Meridian Innovation (HK) LTD: hr@meridianinno.com