Department: Engineering

Reports to: Process Engineering Manager

Role Summary:
Providing technical engineering expertise in process module to support all departments. Working within a team that provides stable, standard processes for optimization of current production or support of new development projects.

Key Responsibilities:
- Responsible technical owner of manufacturing processes
- Develop and optimize unit processes to support next generation MEMS device product development
- Integrate and troubleshoot processes as part of cross-functional team
- Initiate continuous improvement activities designed to improve yield and widen process margins
- Incorporate best known manufacturing methods into early development phase of MEMS products
- Remain compliant with quality standards and promote a culture of quality excellence
- Follow all documentation protocols, and ensure controlled documents are accurate and up to date
- Investigate and disposition non-conformance events related to relevant areas of work
- Qualify new and existing equipment to achieve optimal performance
- Facilitate process transfers from process development to manufacturing
- Liaise with other areas in engineering on module processes to create a smooth transition to manufacturing and rapid effective implementation of the new process and technologies
- Liaise with operators, shift teams leads, about issues encountered
- Work towards improvement in efficiency, cost and sustainability
- Support other process engineers and staff to create a positive work environment

Requirements:
- Bachelors’ degree or higher in Engineering or Science with minimum 2 years relevant bonding and wet processing experience in either the MEMS or semiconductor industry is required
- Working knowledge of all bonding technologies, bonding processes and bonding alignment tools.
- Working knowledge of bonding quality metrics, tools and their capabilities.
- Basic knowledge of statistical analysis and statistical process control (JMP experience beneficial)
- Working knowledge of Design of Experiments
- Excellent team player
- Strong oral and written communication skills
- Self-motivated and adaptable to changing needs
- Creative problem solver
- Able to work in a demanding & dynamic environment

Other:
- Other duties assigned by your manager
- Adhere to and practice HR policies
- Adhere to and practice Health and Safety standards
- Adhere to Quality System requirements

Physical Requirements:
- General office work areas require occasional lifting no more than 5 kg, and prolonged sitting
- Fabrication areas require ability to lift up to 10kg, prolonged standing, ability to wear personal protective equipment properly as required and are able to respond to auditory and visual cues quickly