



Job Title:	Product Engineer	Job	Operation
Department/Group:	Engineering	Location	Singapore
<p>Job Purpose:</p> <p>The position is required to champion product quality, functionality and to act as an advocate for inkjet printheads. In addition, he/she is also expected to led change management for the qualification of the final product, ongoing material and process change.</p> <p>Job Description:</p> <ul style="list-style-type: none"> • Champion product quality and functionality • Provide product manufacturing line support • Use of Statistical Process Control and Total Quality Management principals • Lead the development, monitoring and analysis of product reliability tests • Engage with printhead and overall printer and writing system development and design teams • To scope and lead the resolution of technical issues and challenges • Engage problem solving and product development • Manage various system interaction in relations to the manufacturing of the printheads • Responsible in product improvement and development and technological transfer <p>Responsibilities:</p> <ul style="list-style-type: none"> • Champion product quality and functionality. Act as the customer advocate for inkjet printheads and lead change management for the qualification of the final product and ongoing materials and process changes • Knowledge of Printhead fluidics architecture, ink jetting and their influence on print quality • Knowledge and experience in wafer fabrications processes for inkjet and their impact to end product (MEMS experience is a plus) • Product manufacturing line support – understand key process parameter margins that impact product quality and performance and work with process teams to ensure the manufacture of quality products that meet and exceed goals. This will involve significant international travel (at least 25% of time) • Responsible for interfacing with and driving various functions to ensure the form, fit and function of the inkjet printhead from product design through product obsolescence • Use of Statistical Process Control and Total Quality Management principals to set robust quality goals to manage outgoing quality of the product • Lead the development, monitoring and analysis of product reliability tests to ensure long term product quality and performance • Engage with printhead and overall printer and writing system development and design teams to test, characterize and deliver a robust final product • Engage closely with upstream product and process counterparts to fully characterize final product quality and margins 			

Skills/ Qualifications

- Excellent problem solving skills with demonstrated experience leading teams to resolve complex and multi-disciplinary issues
- Strong leadership, decision making and communication skills with the ability to influence senior management
- Prior technical experience in inkjet printhead technology, printer systems, inkjet wafer fabrication & MEMS is a plus
- Lead or contribute to collaborative projects incorporating product design, cost reduction and product improvement to achieve cost effective innovative solutions.
- Provide technical expertise to the company and team in areas of printhead design, robustness, quality and reliability to achieve the strategic aims of the company.
- Initiate and develop plans for projects, providing leadership and control. Monitor and respond to time lines to ensure milestones are met

Education

Essential

- Engineering/Science degree and inkjet technology experience

Preferred

- Post Graduate training in related topics (eg. Materials Science, Chemistry, Fluid Mechanics, Physics & Electronics)