

Transducer Engineer

Job Type:	Permanent, Full time	Position Availability:	Immediate
Application Open:	19 May 2023	No. of Vacancy:	1

Key Responsibilities

- Design new piezo-electric transducers for various application included non-destructive testing, medical imaging and therapeutic use. From KHz to MHz frequency range.
- Design, evaluation and selection of piezo-ceramic components used for new and ongoing transducer/sensor design and production projects.
- Provide transducer engineering expertise to support the manufacturing and prototyping of piezo-electric products.
- Test and evaluate new transducer designs using laboratory equipment for acoustic and vibration measurements.
- Analysis of transducer output sensitivity/noise, resonances, etc., necessary to characterize a transducer.
- Coordinate projects and tasks with other colleague to complete assignments and projects on schedule.
- Research and investigate leading edge technologies for creating new products or processes.
- Support new product development project while adhering to quality control and regulatory procedures.

Requirements

- Bachelor of Science or equivalent experience in Acoustics or Mechanical Engineering, or a relevant engineering or physical science discipline.
- At least 5 years minimum experience in piezo-electric transducer design.
- Knowledge of piezo-ceramic types, modes, and properties useful for transducer design.
- Working knowledge of mechanical design software such as Solid Works, fusion 360.
- Working knowledge of numerical modelling techniques for electro-acoustic performance prediction as well as Finite Element Method (FEM) software such as Abaqus, ANSYS, ATILA or COMSOL for piezo devices
- Knowledge of how to design metal, plastic, and ceramic parts including material selection and fabrication techniques.
- Knowledge of adhesives for different materials and their uses in transducer production.
- General knowledge of electronics, soldering, connectors, etc.
- Good written and oral communication skills
- Good interpersonal skills and an ability to work with every level of the organization.
- Foresight and innovative ability.
- Strong organization, planning and work coordination skills.



- Meticulous and with excellent interpersonal and communication skills with all levels of staff.
- Responsible, independent, detail minded and can work under pressure.

Benefits

- Medical and Dental Insurance
- Min. 14 Annual Holidays
- 5-day Work Week
- Flexible Working Hours
- Excellent working atmosphere

To apply, please send your resume together with present and expected salaries with contact details via email to: Opharmic Technology (HK) Limited, Attn: Ms. Zeta Hung, hr@opharmic.com

About Opharmic

Founded in 2016, Opharmic is striving towards an ambitious goal: to replace horrifying eye injections around the world with our patented non-invasive ultrasound system. From technology and product customisation, to clinical development and regulatory strategies, Opharmic offers turnkey solution to pharma partners around the world to adopt cutting-edge technology in their new or existing pipelines.