

Detection Technology Oy is a global microelectronics company, which contributes to the improvement of people's health and security through its products, services and innovations. We design, manufacture and market silicon based photodiodes for X-Ray detectors for Medical, Safety and Security imaging. These high performance products are based on company's proprietary solid-state detector technology. Our customers are global medical and security companies operating especially in Europe, USA, Japan and China. Detection Technology has 150 employees in our offices in Oulu area and Espoo, Beijing, Hong Kong and Boston USA.

DT Group main owner with over 80% share is GWS Group and the rest is owned by key employees. DT Group consists of parent company Detection Technology Oy and fully owned subsidiaries in Hong Kong, Beijing and USA.



We are looking for a technical professional to join our global engineering team in Oulu area (Ii) or in Espoo, and have an immediate opening for:

Material Specialist

Your responsibilities include:

- Researching, developing and evaluating microelectronics and SMT assembly and packaging materials to enhance product quality and performance. Responsible for material selections and qualifications in the new (PC) development projects
- Leading continuous improvement projects to increase quality and cost-effectiveness of existing production products
- Providing guidance and support for Process and Manufacturing Engineers during technology and/or product transfer to production facilities, or at key suppliers
- Being main technical interface with material suppliers to actively evaluate new materials to enhance assembly quality and cost-effectiveness
- Organizing and performing engineering material analysis, new material assessments, failure analysis, problem trouble shooting and material reliability testing

Requirements:

- Master of Science degree in Materials Chemistry or similar
- Minimum of 5 years of Electronics Industry experience
- Material science knowledge
 - Optical epoxies and silicones
 - Conductive and non conductive epoxies
 - Underfill materials, encapsulants
 - PCB and ceramic substrate materials

- Silicon
- Soldering, fluxes

Strong understanding of material physical phenomena

- Microelectronics assembly knowledge
- 6 sigma knowledge
- Problem solving skills

You will be reporting to the Manager, Process Development.

We offer You an opportunity to work and to develop yourself in a growing and focused High-Tech Company operating in Global Business arenas. We offer competitive salary and benefits, as well as invite You to a challenging position with full support in our international team of professionals.

For more information please contact Personnel Consultant Johanna Konttila, johanna.konttila@elanit.fi, mobile +358 (0)40 8499 155. Please apply for the vacancy no later than 12.9.2010, through www.elanit.fi by registering Your CV to the vacancy "Material Specialist".