

Research Scientist

Sintered Permanent Magnet

 **Location: Singapore**

 **Employment Type: Full-Time**

Job Description & Responsibilities:

- Lead, plan and execute R&D projects on NdFeB sintered magnets.
- Develop new magnet alloys, processes and products with minimal supervision.
- Provide tech support for sintered magnet mass production at Narva, Estonia.
- Participate in multi-disciplinary project teams involving engineering and R&D at manufacturing locations and regional sales managers.
- Demonstrate competence in the use of all relevant processing, test and analytical equipment.
- Provide technical supervision to associate scientists.
- Document all phases of assigned projects; write complete reports.
- Assist in preparing patent applications/publications/meeting presentations/knowledge notes.
- Maintain a clean, organized and safe workplace.
- Conduct other work as required in Materials and Magnetism Laboratories.

Requirements:

- Ph.D. degree (preferred) or master's degree in Materials Science and Engineering or Physics, with thesis in permanent magnetic materials (preferred in NdFeB sintered magnets).
- 0-5 years of post-graduate research experience, preferably in NdFeB sintered magnets.
- Hands-on experimental skills in NdFeB sintered magnets fabrication technology.
- Knowledge of NdFeB permanent magnets and their processing-microstructure-property relationship.
- Ability to analyze and work through technical and/or scientific problems.



- Ability to travel occasionally to our manufacturing sites in Europe and Asia.
- Good communication and presentation skills (in English).
- Highly motivated, team player.