



Process Development Engineer (PhD), Taichung

Day to Day Responsibilities

- Use established processes to identify concepts for manufacturing equipment; and design, build and test selected concepts as an individual and in teams, and utilize risk management tools to ensure on-time delivery
- Design and executing equipment validation test in a manufacturing plant; analyzing data, drawing conclusions, and making recommendations
- Collaborate with other equipment/machine design experts in other organizations
- Participate on cross functional teams
- Communicate and documenting results
- Analyze cost of manufacturability
- Receive process or equipment requirements from R&D and develop new equipment capability from concept to prototype to manufacturing demonstration



- Adapt existing manufacturing equipment to improve manufacturing capability, enable use for new or alternate products, and scale-up for increased manufacturing capacity or lower cost
- Utilize fundamental machine design principles and define and execute testing protocols or experiments to validate equipment capability
- Further engage corporate scientists and engineering resources for modeling and equipment testing to guide and validate designs, process and machine qualification; and ensure requirements of safety, operations, and maintenance are met. Team work to accomplish objectives can be either via functional or matrix leadership

Required Education/Experience

- PhD degree or above degree and major in Materials/Chemical/Mechanical or Engineering related field
- Working knowledge of physical phenomena (static and dynamic physics, heat and mass transfer, fluid mechanics, etc.) with a strong background in process design
- Ability to design and carry out experiments
- Proficient in Design of Experiments
- Sound understanding of material properties and capabilities for use in machine design
- Strong work ethic and attention to detail with excellent organizational skill
- Demonstrated problem solving skills
- Fluent in English and Mandarin

Please send your English resume to WangC35@corning.com, thank you!

Contact: Ching Wang, Recruiter