



Pacific Safety Products Inc. is an established industry leader in the design, production, distribution and sale of wearable armor and other safety products serving the law enforcement and defence sector. We currently have an opportunity for the right individual to join our dynamic and talented team of employees as:

Ballistics Specialist- Engineer

Summary:

Reporting to the Vice President of Operations, the Ballistics Specialist-Engineer will be responsible for developing and carrying out product development and test plans, validation and quality assurance on various manufactured raw materials, products and prototypes. The Ballistics Specialist-Engineer will also provide technical support and advice to individuals and groups within the company, sub-contractors and customers. The candidate must have a strong desire to learn and keep their technical knowledge up to date on the latest changes and developments in ballistic testing methods and standards.

Responsibilities:

- Advises on the selection of armour materials through a thorough understanding of design parameters relating to performance requirements, weight, costs, comfort, durability, environmental effects, manufacturability, etc
- Provides subject matter expertise in emerging technology related to ballistics by maintaining an expanded network of sources and suppliers for materials and associated research
- Manages, oversees and trains ballistic lab sub-contractors
- Keeps abreast of issues and innovations related to new emerging technologies in the field of protective materials (i.e. ballistic, fragmentation, visors, ceramics, energy absorption, impact resistance, fire retardant etc.)
- Remains current with research and new directions in the industry by seeking appropriate reading, experiences, training, course work, attending relevant conferences, meeting with ballistic material supplies or other by means (formal or informal)
- Acts as resident authority on industry test standards and procedures in the field of ballistics and fragmentation, (NIJ threat levels, NATO STANAG 2920, Mil Spec for V50)
- Develops and carries out test programs for new ballistic material evaluation and certifies products according to industry standard, or customized practices to validate selected materials, components and products for specified and performance requirements (impact, blast integrity, fragmentation resistance, V50, Vs-Vr, V0 etc)
- Develops and carries out armour development programs and interprets test data and applies data to armour development, armour selection and bid submissions
- Provides ballistic expertise, product knowledge, product selection for RFP and bid opportunities
- Oversees and operates and maintain ballistic test range which also includes providing instruction to range technicians on proper test procedures and data acquisition
- Complies, maintains and advances knowledge base on bullet and fragmentation resistant materials, including composites, and is thoroughly familiar with both soft and rigid ballistic materials and their manufacturing processes to make recommendations for inclusion/exclusion in reaching performance targets
- Assists in and/or provides input for specialized test jigs, fixtures and tooling that may be required in testing or manufacturing processing experiments



- Aids in troubleshooting manufacturing issues (defective or non-conforming product) through a solid understanding of materials and manufacturing processes
- Provides generic and/or product specific technical support and advice to sales staff and customers and liaises with customers as required

Qualifications:

- 4 year university degree (preferred) in a technical discipline such as Engineering, Physics or applied science, or diploma in Mechanical or Civil Engineering Technology
- Professional designation (P. Eng) is an asset
- 5 to 6 years experience in a protective materials design, selection, and testing methodologies preferably in law enforcement or defense industries
- Some travel may be required

Skills:

- Production process problem solving skills
- Knowledge of statistical analysis, electronics and instrumentation and their application to ballistics
- CAD design software experience
- Knowledge of firearms and ammunition and fragment simulating projectiles
- Excellent communication and interpersonal skills with the ability to build and develop effective working relationships
- Ability to be security cleared to Secret level

Pacific Safety Products offers a competitive compensation and benefits package. To learn more, please visit us at www.pacsafety.com.

To apply for this position, please forward a copy of your cover letter and resume to hr@pacsafety.com quoting the position title.

Pacific Safety Products is an Equal Opportunity Employer

We thank all applicants for their interest, however only qualified applicants will be contacted.

...we bring everyday heroes home safely.