



RECRUITMENT

REFERENCE NUMBER:	SRDEEN0817
JOB TITLE:	Senior Design Engineer
LOCATION:	Denham, Middlesex
<p>Martin-Baker is the world's leading manufacturer of ejection seats and related equipment.</p> <p>It is the only company that can offer a fully integrated escape system that satisfies the very latest in pilot operational capability and safety standards. Martin-Baker offers a complete 'end-to-end service', from helping the customer to establish operational safety and escape requirements, including design, development and qualification, to on-going support throughout the entire service life of the aircraft.</p>	
DEPARTMENT NAME:	Engineering
JOB DESCRIPTION	
<p>A vacancy has arisen for a Senior Design Engineer working in the Engineering department at the Denham site. The position is responsible for producing cost effective designs from concepts or ideas derived from customer requirements or senior design staff and develop detailed designs. This role thereby focuses on the production of commercially viable design detail and assembly engineering drawings.</p> <p>KEY ACCOUNTABILITIES</p> <ul style="list-style-type: none">- Participate in design coordination activities with other disciplines and design drafting personnel as required.- Produce cardinal point specification derived from customer PBS and related documents, to provide high level requirement brief for design.- Conduct trade studies into potential engineering solutions, including 3D modelling, performance calculations, structural and mass analyses.- Produce top level design layouts from which detailed parts may be developed.- Produce a variety of detailed reports - interface load reports, mass reports- Produce and present design review presentations.- Oversee trial installations and take part in voice of the customer visits.- Develop detailed designs from top level layouts.- Determine the best, most commercially sound solution within the given parameters whilst optimising manufacturability.- Conduct tolerance analysis.- Prepare retrofit and modifications designs. <p>Participate in design coordination activities with other disciplines and design drafting personnel as required.</p> <p>EDUCATION & QUALIFICATIONS</p> <ul style="list-style-type: none">- 1st / 2.1 Mechanical Engineering Degree Accredited by I-Mech-E	

KNOWLEDGE & EXPERIENCE

- Substantial experience of design output ideally gained from within aviation engineering or related industry.
- Broad commercial and financial understanding.
- Strong analytical ability and logical thinking.
- General knowledge and experience of working within US MIL STD / UK Def. Stan.
- Knowledge and application of Aerospace / Defence or similar design ie deep product appreciation.
- Thorough expertise in areas such as geometric tolerance, layout of engineering drawings in relation to US/UK standards.
- Good understanding of modern manufacturing methods.
- Creation and delivery of presentation work

PERSON SPECIFICATION

- Attention to Detail – thorough, accurate and concern for all the areas involved.
- Drive to achieve results - sets own standards, checks own work, and demonstrates a positive approach.
- Judgement and decision making - evaluates key decision making criteria.
- Planning and organising - organises work of self and others.
- Analysis and problem solving - sees basic relationships and reacts positively.
- Working collaboratively - actively contributes to achieve organisational objectives.
- Professional/Technical Expertise - uses technical and professional knowledge, skills and judgment effectively.
- Initiative - acts on various methods and strategies for solving problems and meeting objectives before being asked or required to do so.
- Innovation – uses original thought to propose a meaningful innovative change.
- Good verbal and written communication skills.

For all successful candidates, Martin-Baker will undertake background security checks. As part of this, we will need to confirm your identity, employment history and address history to cover the past five years as well as your nationality, immigration status and criminal record. For positions that require Security Clearance, the successful candidate must hold or be willing to obtain security clearance up to the relevant level for the role.

TO APPLY:

recruitment@martin-baker.co.uk Quoting the REFERENCE NUMBER ABOVE and Salary Expectations