



**SUMMER STUDENT INTERNSHIP PROGRAMME**  
**POSITION DESCRIPTION**  
**MECHANICAL DESIGN ENGINEER**

*SUB PROFESSIONAL*

<b>POSITION OBJECTIVE:</b>	<ul style="list-style-type: none"> <li>• To assist the mechanical development team on research and development projects, focusing on system and product development level</li> </ul>
<b>CUSTOMERS:</b>	<ul style="list-style-type: none"> <li>• Senior Design Engineers</li> <li>• Production Engineers</li> <li>• Compac Production/Purchasing staff</li> <li>• Equipment and parts vendors</li> </ul>
<b>REPORTS TO:</b>	<ul style="list-style-type: none"> <li>• Mechanical Development Manager (or assigned team leader)</li> </ul>
<b>DUTIES AND RESPONSIBILITIES:</b>	<ul style="list-style-type: none"> <li>• Work with the design engineering team to create new product designs using Solid Works</li> <li>• Create mechanical drawings and bills of materials of parts and assemblies for production</li> <li>• Create and maintain product development timelines</li> <li>• Assemble and improve prototypes</li> <li>• Follow rigorous design processes when designing high risk machine components</li> <li>• Design and implement comprehensive testing plans to assess and improve product developments</li> </ul>
<b>PERSON SPECIFICATIONS:</b>	<p><b>ESSENTIAL SKILLS</b></p> <ul style="list-style-type: none"> <li>• Excellent knowledge of mechanical design processes</li> <li>• Excellent knowledge of Solid Works or other 3D modeling system</li> <li>• Excellent knowledge of drawing practice and tolerances</li> <li>• Strong communication skills</li> <li>• Sound Microsoft word and excel skills</li> <li>• 3<sup>rd</sup> year student in a relevant field</li> </ul>