



## Senior R&D Engineer (Mechanical/Mechatronics)

### About AusDiagnostics

Headquartered within Sydney Australia, AusDiagnostics is a leading manufacturer of a range of molecular diagnostic instrumentation and reagents servicing human, veterinary and food diagnostics markets. We are committed to achieving excellence in all that we do, with the primary goal of improving patient healthcare within society.

AusDiagnostics is seeking an experienced Mechanical/Mechatronics engineer to join the Engineering Research and Development team, driving innovation and bringing new products to a rapidly growing market.

We pride ourselves on cultivating an open and collaborative team environment, and value passionate, motivated individuals who are looking to grow with the company.

<b>JOB TYPE:</b> Full Time
<b>LOCATION:</b> Mascot, Sydney
<b>DEPARTMENT:</b> R&D Engineering
<b>MAIN DUTIES/RESPONSIBILITIES:</b> <ul style="list-style-type: none"><li>• The design, prototyping and verification of new products.</li><li>• Development of high-quality 3D mechanical CAD models.</li><li>• Preparation of manufacturing and assembly drawings for products and equipment.</li><li>• Preparation and maintenance of design documentation.</li><li>• Ensuring that products are designed/developed with consideration to project constraints and requirements such as budget, schedule, safety and regulatory requirements.</li><li>• Ensuring that products are designed with consideration to user usage scenarios and operating conditions.</li><li>• Design of verification and validation testing to ensure new designs are suitable for manufacture.</li><li>• Assisting with product translation activities to move new products into manufacturing.</li></ul>

**ESSENTIAL SKILLS & REQUIREMENTS**

- Degree in Mechanical or Mechatronics Engineering.
- 5+ years of experience in product development guiding products from concept to market.
- Demonstrated experience in 3D mechanical CAD.
- A collaborative mindset and excellent teamwork skills.
- Excellent verbal and written communication skills.
- A passion for problem solving and open-minded conceptualization

**DESIRABLE SKILLS & REQUIREMENTS**

- Experience working with robotic/automation systems, with hands-on experience of their manufacture/operation in the field.
- Familiarity with Solidworks.
- Experience in designing for CNC machining, injection moulding and 3D printing.
- Experience working with a wide range of metals and engineering plastics
- Experience working in an ISO 13485 quality management system.