

Requisition Number:

22884???

## Job Description.

HORIBA MIRA is a world-class, provider of Robotics and Autonomous Systems for use in Defence applications.

We are seeking a direct entry Graduate Mechanical Engineer to join a small, fast-moving team, working to create advanced robot prototypes and autonomous vehicle products. For the right candidate, we offer an opportunity to work in this new and exciting autonomy sector.

The ideal candidate has relevant experience as part of their degree projects, personal interests or during a summer-time placement in automotive or manufacturing industries.

The team's engineers build state of the art Unmanned Ground Vehicles and advanced prototype robotic systems. We offer a relaxed but hardworking environment where individuals are recognised for their personal performance.

<b>Title of Job:</b>	Graduate Mechanical Engineer		
<b>Department:</b>	UGV		
<b>Grade:</b>	Up to BB3		
<b>Date Required:</b>	ASAP		
<b>Salary Range:</b>	Up to £35K		
<b>Number Required:</b>	One (1)		
<b>Location:</b>	Nuneaton		
<b>Reason for Vacancy:</b>	New job role to design and develop mechanical hardware for autonomous unmanned ground vehicles, robots and associated products.		
<b>Contract Type:</b>	<b>Permanent:</b>	Permanent	<b>Contractor:</b>
<b>Responsible To:</b>	UGV Mechanical Team Leader		
<b>Subordinates:</b>	None		

Main Purpose of Job
<ul style="list-style-type: none"> <li>Design and development of mechanical components and systems for autonomous Unmanned Ground Vehicles, robots and associated products.</li> <li></li> </ul>

Key Technical Skills
<p>Essential</p> <ul style="list-style-type: none"> <li>Ability to design concept and production level mechanical components and assemblies using Computer Aided Design (CAD) software.</li> <li>Generation and interpretation of engineering drawings.</li> <li>Excellent problem-solving skills backed up by sound understanding of fundamental engineering principles.</li> <li>Strong practical skills, including experience using hand and power tools to assist in</li> </ul>

building and testing prototype mechanical assemblies.

- Dimensional and functional analysis of parts and failure analysis.
- Excellent communications skills and the ability to work alone and as part of a team.

Desirable

- Experience in modern manufacturing materials and processes such as 3D printing and laser cutting.
- Working knowledge of electrical engineering principles and electromechanical components.

Essential Qualifications	Preferred Qualifications
<ul style="list-style-type: none"> <li>• Engineering degree (minimum 2:1 honours) or equivalent in Mechanical Engineering, Product Design Engineering or similar</li> </ul>	<ul style="list-style-type: none"> <li>• </li> </ul>

Essential Experience	Preferred Experience
<ul style="list-style-type: none"> <li>• Proficiency using CAD software</li> </ul>	<ul style="list-style-type: none"> <li>• Work experience in a similar role within automotive/manufacturing industries</li> <li>• Practical experience in automotive or general engineering</li> <li>• Catia V5</li> </ul>

What is the candidate likely to be doing now?
<ul style="list-style-type: none"> <li>• Completing final year of university study</li> </ul>

Other information
<ul style="list-style-type: none"> <li>• Must be self-motivated, capable of working independently, innovative, demonstrable track record of delivery</li> <li>• Prepared to travel within the UK and overseas, potentially involving extended periods during project delivery</li> </ul>