

Requisition Number:

Job Description.

HORIBA MIRA is a global provider of pioneering engineering, research and test services to the automotive, defence, aerospace and rail sectors. We work in close collaboration with vehicle manufacturers and suppliers around the world, providing comprehensive support ranging from individual product tests to turnkey engineering design, development and build programmes.

With over 70 years' experience in developing some of the world's most iconic vehicles, our engineers utilise the latest test facilities and simulation tools to make vehicles and journeys safer, cleaner, more efficient and rewarding. Our suite of 37 major test facilities, 100km of specialised proving ground and wealth of engineering experience, combined with our expanding international presence, means we are confident that we can achieve our vision – that by 2020 every journey in the world will be positively influenced by us.

Progress towards achieving our vision has been significantly accelerated through the creation of MIRA Technology Park, Europe's largest transport technology R&D cluster. By applying our advanced engineering, test and validation capabilities to our customers' challenging programmes, we are already shaping journeys of the future

Title of Job:	Thermal Test Engineer		
Department:	454		
Grade:	4N/4W		
Date Required:	Immediate – ongoing		
Salary Range:	Competitive		
Number Required:			
Location:	Nuneaton		
Contract Type:	Permanent:	<input type="text"/>	Contractor: YES
Responsible To:	Department Manager		
Subordinates:	No		

Main Purpose of Job
<ul style="list-style-type: none"> Set up and operate the HORIBA MIRA VTEOS (Vehicle Thermal Energy Optimisation Suite) system. Manage the test delivery elements of engineering and customer thermal systems projects relating to automotive HVAC and heat management systems. Plan and coordinate system-level tests against method and simulation standards that meet the needs of customer engineers Design & manage build of test cassettes which replicate part or entire vehicle HVAC and heat management systems in an open framework system for testing on the HORIBA MIRA VTEOS system. Instrument test cassettes in preparation for test on the HORIBA MIRA VTEOS system. Interpret test data from the VTEOS system, ensuring data integrity and provide feedback to the customer on HVAC and heat management systems performance.

Key Functions
<ul style="list-style-type: none"> Delivering customer projects, managing project timescales, cost, and quality, and providing clear communications with the customer. Fabricating mechanical parts to locate and secure vehicle components in their relative vehicle positions within the cassette. Instrumenting test cassette and HV and heat management systems and components. Setting up and operating the VTEOS system. Interpreting data captured by the test system both dynamically and post-test. Comply with corporate and departmental Q, H, S & E policies, and procedures. Developing and complying with all departmental operating procedures. Working closely with the Engineering team on thermal systems projects.

Essential Qualifications	Preferred Qualifications
<ul style="list-style-type: none"> Degree educated in a relevant discipline 	<ul style="list-style-type: none"> Level 3 F-GAS Automotive Refrigerant Handling

Essential Experience	Preferred Experience
<ul style="list-style-type: none"> Detailed knowledge of complete vehicle thermal systems, components, their functions and interactions relating to EV and ICE technology. Understanding of thermal systems and vapour refrigeration cycle systems for mobile air-conditioning units and controls Strong experience of instrumenting vehicles and data acquisition. Experience of delivering test and engineering services to customers, through running automated & semi-automated test benches and equipment. Ability to work and thrive in a matrix organisation. Great customer liaison skills. 	<ul style="list-style-type: none"> Preferably from a test background . Able to manage in projects across multiple facilities and different resources. Be able to demonstrate clear delivery of significant improved performance in past roles. Proficient in Excel. Self-management & project management skills. Strong analytical and problem-solving skills. Proficient in MATLAB.

What is the candidate likely to be doing now?
<ul style="list-style-type: none"> Graduate or test engineer role within a similar organisation

Other information
<ul style="list-style-type: none"> Flexibility with working hours is required. At peak times shift working will be required. Applicants should be self-starting and motivated to deliver quality solutions and results . Good self-management and project management skills are essential . Must have technical and personal credibility and the ability to work effectively with other functional teams and business functions. Must have excellent integration skills . Ability to self-reflect and enact lessons learnt into future work . Strong Analytical and problem-solving skills and desire . Must have a strong work ethic and willing to engage as part of the wider team.

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