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:**		**Contractor:**	YES
Responsible To:	Department Manager			
Subordinates:	No			

Main Purpose of Job

- Manage the test delivery elements of engineering and customer thermal systems projects relating to automotive HVAC and heat management systems.
- Set up and operate the HORIBA-MIRA thermal test bench system, a newly commissioned facility.
- Create test cassettes which replicate part or entire vehicle HVAC and heat management systems in an open framework system for testing on the HORIBA-MIRA thermal test bench system.
- Instrument test cassettes in preparation for test on the HORIBA-MIRA thermal test bench system.
- Interpret test data from the thermal test bench system and provide feedback to the customer on HVAC and heat management systems performance.

Key Functions
• 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 thermal test bench 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
• Degree educated in a relevant discipline	• Level 3 F-GAS Automotive Refrigerant Handling

Essential Experience	Preferred Experience
• Detailed knowledge of vehicle thermal systems and their functions and interactions. • Proficient in Excel. • 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.	• 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 MATLAB.

What is the candidate likely to be doing now?
• Graduate or test engineer role within a similar organisation

Other information
• 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.