

PERSON SPECIFICATION

Medical Engineering Senior Medical Technical Officer

REQUIREMENTS	ESSENTIAL	DESIRABLE	HOW IDENTIFIED
Education and qualifications	Degree HNC/HND in a relevant engineering or science based subject. Able to satisfy the requirements for incorporated membership of a relevant professional body.	Registration as a Clinical Technologist or willing to work towards accreditation.	Application Form
Knowledge & Experience	<p>General knowledge of electronic workshop practice and computer systems.</p> <p>Advanced knowledge of electrical and electronic engineering.</p> <p>Specialised knowledge of medical electronics, electro-mechanical systems, computing and medical device support.</p> <p>Broad knowledge of medical device operation and management, with a high level of understanding of patient and staff risks arising from equipment use and failure.</p> <p>Experienced in the use of complex precision test equipment with the skills to analyse and interpret results.</p>	<p>Able to maintain stocks of parts and consumables, identify requirements and order where necessary.</p> <p>Able to contribute to new equipment evaluation prior to testing.</p>	Application form and interview

	<p>Extensive practical experience in electro-medical engineering workshop practices and techniques, with at least 6 years medical or equivalent practice, including preventative maintenance, inspection, repair, calibration, quality control and acceptance testing.</p> <p>Clean UK Driving Licence</p>		
Personal	<p>Able to prioritise and manage own work and supervise the work of junior staff.</p> <p>Able to exercise own initiative when dealing with issues within own area of competenc to identify, propose and implement changes to documentation and procedures</p> <p>Able to take charge of urgent situations to ensure critical equipment is returned to normal service as soon as possible.</p> <p>Able to deal with complex and unpredictable situations</p>		Application form and interview
Legislation	<p>Working knowledge of relevant legislation, national standards, professional and other guidelines. <i>[e.g. Health and Safety, COSH, HTM , Ionising Radiations Regulations, RIDDOR, MDA/MHRA guidance,]</i></p>	<p>Working knowledge of relevant legislation, national standards, professional and other guidelines. <i>[eg ISO 9001 2001, BSI standards]</i></p>	Application form and interview
IT Skills	<p>Able to use Excel, Word etc to set up documents and spreadsheets and extract information, use of equipment management database to create and maintain records.</p>	<p>Experience in the use of dedicated equipment diagnostics and calibration software applications</p>	Application form and interview

Physical	Use of precision tools for equipment adjustment/assembly. High degree of manual dexterity during extended periods of concentration. Able to work in difficult and sometimes uncomfortable conditions. Able to lift medium loads.		Application form and interview
Mental Effort	Concentration on meetings, reading manuals, reading and interpreting legislation and guidance notes, advanced fault finding, interruption from emergency requests for advice.		
Emotional	<p>Able to deal with occasional distressing circumstances when working in clinical areas (e.g. when visiting wards and theatres when fault finding on patient connected equipment).</p> <p>Able to deal with professional users in stressful operational situations (e.g. when critical equipment fails and requires repairing urgently in order to maintain/continue the service).</p>		Application form and interview
Communications	<p>Able to advise and train other professional staff groups in the care and operation of complex equipment (e.g. train nurses in medical device user maintenance).</p> <p>Able to develop internal and external networks and relationships</p> <p>Able to communicate complex information across professional boundaries, confidently and persuasively</p>	Able to negotiate with other professional staff to access medical equipment for service and repair.	Application form and interview
Working Conditions	<p>Understanding of hazards posed by, and precautions needed with:</p> <ul style="list-style-type: none"> • Ionising radiation. • Low, Medium & EHT voltages/current 		

	<ul style="list-style-type: none">• Cross-infection, Bio-hazards Workshop hazards: <ul style="list-style-type: none">• Fumes, Solvents, dust• Tools at elevated temperatures• Compressed medical gases• Cleaning agents and other hazardous materials• Lifting heavy sensitive items of equipment.		
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