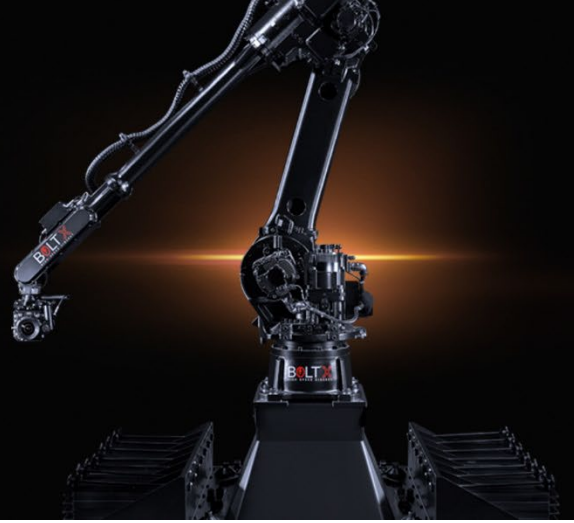


Mark Roberts Motion Control

Electronic Design Manager



Location	Blindley Heath, Surrey, RH7 6JP
Reporting To	Head of R&D
Contract Type	Permanent, Full Time
Salary	Depending on experience

THE ROLE

Our in-house developed electronics products control, drive and co-ordinate multi-axis, networked robotic camera platforms requiring precise synchronisation of servo and stepper motors, interfacing with motion sensors, analogue & digital amplifiers and general IO together with broadcast camera and lens equipment.

You will lead a dedicated team of electronics specialists and embedded software engineers through all stages of the development cycle for new products as well as enhancement cycles for existing products whilst keeping MRMC at the leading edge of world-class electronic deployment. In-house developed solutions cater for both low quantity, one-off, bespoke motion platforms through to high-volume, cost-sensitive applications for mass markets where performance, reliability and costs are key development drivers.

The successful candidate will be hands-on spending approximately 60% of their time actively involved in guiding detailed design activities and 40% on future, strategic development cycles and general and project management duties.

You will have great communication skills and ably interface with the whole R&D team including software developers, mechanical engineering and product test specialists.

MAIN RESPONSIBILITIES AND TASKS

- Allocate specific team tasks from incoming work packages with clear requirements, validation, financial and timescale targets.
- Produce mechanical, electrical, firmware and software designs that are robust, cost effective to produce and use materials and/or resources effectively.
- Liaise closely with mechanical, electrical, electronic & software design colleagues to ensure that the final product design optimally integrates all design disciplines.
- Input Electrical CAD designs into Mechanical CAD to ensure that every design/product/project has a single, complete and accurate Bill of Materials.
- Contribute to production of Mechanical In-House Design Standards, Electrical In-House Design Standards and Software In-House Design Standards.
- Prepare and document test methods together with pass/fail criteria.

- Ensure all tasks are correctly scheduled and accurately maintained in JIRA. Monitor task progress to ensure scheduling goals/objectives are achieved. Assign/Reassign priorities as business needs dictate.
- Schedule, chair & manage Weekly Team Meeting.

SKILLS AND EXPERIENCE REQUIRED

Education	– University Degree in Electronic Engineering or similar relevant qualification
Professional Skills	<ul style="list-style-type: none"> – Strong team leading/people-management skills and experience – Well-developed project management capabilities – Experience in creating new processes and best working practices – Able to drive and shape the New Product Development cycle (NPD) – Strong debugging and problem-solving skills – Able to review and write clear product design documents which describe the complete product in detail – Experience in the design of products for CE and global certification – Electronic hardware design, cable design, schematic capture, PCB layout, BOM preparation, EMC compliance – Ability to lead design team on mixed signal, low power, low voltage, low noise sensor circuitry, embedded digital control circuitry and real-time microcontroller solutions and design of stepper and servo motor control circuits – Ideally with experience with industrial networking including Ethernet & EtherCAT – Good working knowledge in C within small to medium size microprocessor systems (ARM STM32, TI MSP430) – Experience working with TCP-IP, UDP, CAN, SPI, UART, I2C and USB communication protocols – Working knowledge of Solidworks Electrical, Solidworks 3D and Solidworks mechanical
Personal Skills	<ul style="list-style-type: none"> – Strong communication and people skills – Excellent verbal and written communication skills – Attention to detail

THE COMPANY - MARK ROBERTS MOTION CONTROL

We are a robotics company doing some serious hardware and software engineering. By robots we mean 6+ axis robotic arms, large multi axis rigs and 2-3 Axis camera platforms. Our products are used globally in Broadcast studios, Stadiums, Movie Sets and Photography studios to capture motion and stills.

MRMC has been at the front of its field for over 50 years. Starting off from a family business, we are currently a medium sized business thriving and growing bigger every year. MRMC is a Nikon Group Company.

WHAT WE OFFER

Our success is only possible because of the team effort from everyone and we recognise the individual input of each person throughout our design and manufacturing process at MRMC.

Benefits:

- Flexitime; our core hours are 10am-4pm
- Discretionary bonus scheme
- Private medical insurance for you and discounted cover for your family
- Dental, Optical and Audiological Cashback Scheme
- Salary Sacrifice Schemes including Pension, Cycle to Work, Electric Vehicles and Nursery Discounts
- Generous Company sick pay
- Nikon staff discounts
- Training and development opportunities
- Ample and secure parking

MRMC receives a large number of applications and we are not always able to provide individual feedback on your application. If you don't hear from us within 15 working days from the date you have applied, it means the application didn't meet minimum requirements to go onto the next stage of recruitment. We value your time and interest in MRMC and encourage you to re-apply if your circumstances change or you find another role with us that is more suitable to your skills and experience.

If you apply online for a position with Mark Roberts Motion Control, we will use the information you provide to assist in the recruitment and selection process. Information provided on the application form and CV will be retained in all cases in electronic format cases and/or hard copy for as long as is required for the purposes of: the administration of your application, consideration for roles in the future, forming the basis of your employment records, if your application is successful, discharging any legal or regulatory requirements. Mark Roberts Motion Control will process your personal data in accordance with our Privacy Policy which can be found on our web-site. If you need more information on how long your data is kept for, which varies, depending on a stage of recruitment you've gone through, please contact us and we will provide relevant information.

By submitting your application/CV online you are confirming you have read and accept the above and you are giving your consent to MRMC to process your personal and sensitive personal data for the purposes explained above.