

## JOB DESCRIPTION

**Job Title:** MS Instrument Developer  
**Department:** SCION R&D  
**Reports to:** Head of MS development  
**Location:** Livingston, UK

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### THE BUSINESS

Techcomp Europe Group holds an exciting portfolio of rapidly growing technology businesses that operate globally. Our brands include Edinburgh Instruments, SCION, Froilabo, Precisa and Isotopx. As a result of our continued investment in R&D, based in our Headquarter office in Livingston, Scotland, Techcomp has an exciting product pipeline to add to its existing portfolio and create fantastic opportunities for global market development through our global network of businesses and sales channels.

SCION Instruments has headquarters in Livingston, Scotland and Goes, Netherlands. SCION Instruments designs, manufactures and markets GC, GC-MS, Headspace and HPLC systems along with a full range of accessories, consumables and support services. SCION Instruments also markets Compass CDS™ stand-alone and client-server chromatography data systems. The business continues to invest heavily in research and development of new instruments and market solutions and has truly remarkable growth expectations for the coming years.

### SUMMARY

You will work within talented project team focused on new product development, primarily related to the MS part of GC-MS products that targeted to several exciting and developing applications. You will work closely with the engineering team to ensure developments achieve performance targets whilst meeting regulatory requirements and with excellent quality and reliability. You will work closely with all parts of the business and will have project management responsibilities.

### KEY RESPONSIBILITIES

- Carry out MS instrument design, including construction & testing of prototypes.
- Conducting related calculations and simulations.
- Conducting detailed experiments to ensure new designs meet target specification in key application areas.
- Patenting of new innovations & ensuring FTO.
- Ensure that a developments follow ISO9001 R&D & NPD processes.
- Analyse data and compile reports to be and presented to business stakeholders.
- Coordinate with suppliers and subcontractors & ensure DFM and manufacturing costs targets.
- Coordinate regulatory testing/ CE marking/EMC testing to ensure Safety.

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#### SCION Instruments

##### The Netherlands

Amundsenweg 22-24  
4462 GP Goes,  
The Netherlands  
Phone +31 (0) 113 287 600  
sales-eu@scioninstruments.com

##### UK

4 Michaelson Square  
Livingston, EH54 7DP  
Scotland, UK  
Phone +44 (0) 1506 300 200  
sales-eu@scioninstruments.com

- Support transfer of new products into production including Coordination of testing.
- Write test procedures and equipment, user and service manuals.
- Support other parts of business, including production, quality, and product management.
- Undertake improvements to existing products as needed.

## EDUCATION / EXPERIENCE

### Essential:

- Educated to Degree or higher in a natural sciences discipline, with a strong analytical focus, physics or Chemistry.
- A strong scientific and technical background post education.
- A flair for innovation demonstrated through a record of IP generation or scientific publications.
- Experience in the development of scientific instrumentation.
- Experience in the development vacuum systems.
- Experience in use of the testing scientific instrumentation.
- Design of experiments.
- Analysis of larger datasets, and data processing.
- Presentation of scientific data.

## EDUCATION / EXPERIENCE

### Desirable:

- MS background, especially to Quadrupole Mass spectrometry.
- Experience of working with GC/MS.
- Experience of working within multi-disciplinary teams.
- Previous experience of working under quality management systems.
- Experience of preparing standard solutions by accurate weighing and pipetting.
- Experience of working & good knowledge with high voltage.
- Experience of working in clean room environment.
- Project management training/Qualification.
- Experience of patent filing and FTO analysis.
- Knowledge of Design for Manufacture.
- Experience Regulatory Approval (CE / CB)
- Ion optic Simulation.
- Experience of S/W development.

## COMPETENCIES

- **Communication & Collaboration:** Excellent verbal and written communication skills at all levels(internal business stakeholders, customers, suppliers).
- **Problem Solving:** Identify, resolve, and consult on problems in a timely manner; Gather and analyse information skillfully; Develop alternative solutions and prospects.
- **Planning and Organising:** Prioritise and plan work activities; React positively to pressure situations; Ensure information is organized and accessible.

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- **Interpersonal Skills:** Support and encourage others; Give and receive constructive criticism; Negotiate; Listen to and value other's opinions; Convey ideas to a group; Maintain confidentiality.
- **Self-starter:** Flexible; Show desire to master job, take pride in work and seek continuous improvement; Actively tackle problems; Seek new opportunities; Strive to see projects to completion.
- **Quality:** Demonstrate accuracy and thoroughness; Delivers timely and accurate results; Tasks completed efficiently and within require timescale.
- **Analytical:** Use intuition and experience to complement data; Collects and researches large data; conducts appropriate test reviews and analyse and present findings and solutions.
- **Teamwork:** Perform a variety of tasks independently while contributing to the team environment; Build positive team spirit; Put success of team above own interest.
- **Dependability:** Punctual; Good attendance record; Work with minimal supervision and direction; Can be counted on to handle special duties; Follow-up on issues without prompting; Meet deadlines.

## HEALTH & SAFETY

- Ensure you and others around you work in a safe manner and maintain safe workspace.
- Reporting any health and safety hazards or accidents to the QHSE Manager.

## LIVE THE SCION INSTRUMENTS VALUES

- **Customer Focus:** We prioritize our customers' needs and strive to exceed their expectations through exceptional service, quality products, and comprehensive support.
- **Integrity and Trust:** We conduct our business with the highest standards of ethics, honesty, and transparency, fostering trust and long-term relationships with our customers, partners, and employees.
- **Innovation:** We foster a culture of continuous improvement and creativity, driving technological advancements that enhance our products and services, and contribute to the progress of the scientific community.
- **Respect:** We treat all individuals with dignity, fairness, and respect, valuing diversity and fostering an inclusive environment where everyone can contribute and thrive.
- **Passion:** We are passionate about our work and driven by a shared purpose to make a meaningful impact through our products and services, inspiring excellence and dedication in everything we do.

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