

HARDWARE/SOFTWARE PROCESS ENGINEER – MEDICAL (m/f/d)

Talented engineer looking for a new opportunity? Watch out! You have a background in electronic engineering? You like to explore new ways, combine software and hardware in new production processes? The medical field suits you particularly well?

Take up the challenge!

To support our innovative R&D team, we are looking for a Hardware/Software Process Engineer (w/m/d)

As our new Hardware/Software Process Engineer, you will be involved in the set-up of new production processes and take care of the software integration as well as support the hardware integration from electronic perspective. Some key tasks you will have in the first year include setting up fabrication processes and defining technical process requirements for medical sensing stylets based on photonic technologies. You will report to the CTO and CEO.

Responsibilities

- Support hardware developments for process automation
- Hardware and Software integration of production processes
- Use these processes to set-up a production prototype line for medical sensing products
- Develop the data logging software of the production process
- Provide assistance with equipment selection to meet product quality, throughput and cost requirements
- Document the HW/SW architecture and write technical instructions to operate the production processes
- Collaborate with teammates from Engineering, Research, Quality and Production to automate new manufacturing processes
- Conduct clear and concise communication with colleagues and managers through oral updates and written reports

Requirements

- Master degree in ICT, Informatics or Electronic engineering
- At least 4 years of relevant experience in production process control and development, design, scale-up, improvement and validation
- High-level computer skills and programming knowledge for device control and automation of process data collection (e.g. Python, C++, Labview, ...)
- High-level problem solving, and reasoning skills required
- Experience with statistics, Statistical Process Control
- Experience with high volume production in a high-tech, high-volume market is a plus
- Quality Control principles and methodology, bringing medical device instrument products to market under an ISO 13485 compliant Quality System is a plus

What we offer

A challenging position with a high-potential innovative sensing company

- To work in an international human-sized, collaborative and respectful environment
- A variety of interesting projects with international exposure
- An attractive compensation package in line with your responsibilities and experience
- Flat hierarchy
- Job Type: Permanent / full-time
- Job bike after a year

Location

- Geel (Belgium)

At FBGS, we encourage creative thinking and innovation. We work in dynamic and interdisciplinary teams and offer you individual development perspectives as well as flexibility in the design of your work. We are a modern, internationally oriented company. The compatibility of career and family is one of our central concerns. We strive to increase the proportion of women. Women are therefore expressly encouraged to apply.

About FBGS

FBGS is a Germany / Belgium based developer and manufacturer of high strength Fiber Bragg Gratings (FBGs), Interrogators, Sensors and custom-made fiber optic sensing solutions. Therefore, FBGS has developed two unique and fully automated production processes for FBGs which result in very high quality and cost-effective sensing components with unique optical and mechanical characteristics. FBGS's products are suitable for both standard and

bespoke applications in industries such as: medical, composite, transport, process, civil & geo, telecom and R&D. FBGS supplies 'Draw Tower Gratings' – DTG® and 'FemtoSecond Gratings' – FSG® as an OEM component and our products can today be found in many applications and products developed by our customers worldwide.

If you are interested in our position, please send your application to info@fbgs.com

Your application and related information will remain strictly confidential.