

# FPGA- / Embedded Systems Developer (m/f/d) in the field of Machine Vision

Chromasens GmbH, based in Konstanz at the beautiful Lake Constance, develops and produces image capturing systems, illuminations and line scan cameras for industrial image processing. Since 2004 Chromasens stands for innovative color line scan cameras, line illumination technologies and specific software for numerous machine vision applications. Since 2018, Chromasens GmbH is a part of the TKH Group, which with its members is a technology leader providing smart solutions to the industrial market.

You will develop and implement FPGA logic for our cameras in a dynamic team. While working on our high-performance line scan cameras and 3D measurement systems you will face technologically challenging tasks.

## Your Tasks:

- Development and implementation of the image sensor control
- Design of image processing algorithms on FPGA / SoC
- Embedded SW development on e.g. MicroBlaze / Arm
- Development of our image processing platforms
- Development of our interface technologies
- Supporting circuit design support for FPGA boards

## Your Profile:

- Completed studies in the field of embedded systems, communications engineering, electrical engineering, computer science or similar, graduates are welcome!
- Experience in programming with VHDL / Verilog / C / C++/ HLS
- Interest in electrical and opto-electronic systems
- Ideally experience in the use and development of image processing systems
- Experience with the Xilinx development environment VIVADO or Intel Quartus is of advantage
- Good knowledge of English, interested in learning German
- Enthusiasm of working in a diverse multidisciplinary team
- Independent way of working
- Living – or willing to move to the beautiful region of the Lake Constance

## We offer:

- Company pension scheme
- Flexible working hours / home office
- Catering allowance for canteen at the site
- JobBike
- Good access to public transport

## Have we sparked your interest?

Please send your application with a detailed CV, indicating your possible starting date and your salary expectations to [jobs@chromasens.de](mailto:jobs@chromasens.de)

If you have any questions, please feel free to call Ms. Sylvia Hilbring at +49 7531 / 876 744.