



Welcome to the team! At WOM,  
you actively contribute to  
medical progress.

WOM is a pioneer and global leading manufacturer in the field of medical technology. We are seeking students to join our R&D team in Berlin. If you like to work independently, wish to embark on new paths with us in the field of Minimally Invasive Medicine, and are ready to assume responsibility early on, we should get to know each other.

#### What we offer:

- ▶ Workplace close to the city, conveniently located to public transportation, near colleges and universities
- ▶ Flexible working hours
- ▶ Competent, course-related support
- ▶ Dynamic and friendly team
- ▶ State of the art workspaces
- ▶ Career opportunities in an expanding company

## WOM Berlin is awarding a

### Master thesis with the topic

## „Expansion of an optical test station by a function for determining the modulation transfer function (MTF) of optical systems according to ISO 12233“

#### Your tasks are

- ▶ Literature research
- ▶ Development of a concept for the expansion of the existing optical test station by a function for MTF testing incl.
  - live image preview with contrast (pre)evaluation to determine the best focus
  - measurement of the modulation transfer function of optical systems
  - saving the measurement results
  - technical selection of a suitable, MATLAB controllable C-mount camera for data/ image acquisition (resolution, high frame rate)
  - research and selection of ISO 12233 test charts
- ▶ Implementation of the concept with MATLAB and implementation into existing MATLAB program with GUI
- ▶ Verification of the test software
- ▶ Documentation

#### You are offering

- ▶ You are studying medical technology, optics, electrical engineering, communications engineering or a comparable course of studies
- ▶ You have knowledge in optics (evaluation of optical imaging quality, MTF)
- ▶ You are interested in medical technology and optical questions
- ▶ Programming skills in MATLAB, especially of the MATLAB „Image Acquisition“ toolbox are desirable

#### These are your personal strengths

- ▶ You work accurately and reliably
- ▶ Independent and goal-oriented work is your special strength
- ▶ You are communicative and an enthusiastic team member

If this describes you, we look forward to receiving your application.

## APPLY NOW!

Unsolicited applications welcome in Career  
Portal under [www.wom.career](http://www.wom.career)



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