

MAGNETORHEOLOGICAL PRODUCTS



Master thesis

With many years of expertise and mastery of comprehensive manufacturing and production technologies, as well as with the development and production of our own mechatronic products and an open mindset when it comes to integrating new technologies and processes, the STIWA site in Gampern creates product innovations that shape the future.

Initial situation

As Innovation Department of STIWA Advanced Products, we are responsible for the first product development phase, from the idea to the functional prototype. One of the topics, that are processed in the team, is the technology of magnetorheological media, i.e. media whose viscosity can be adjusted by means of magnetic field strength. With this technology, several product solutions are currently implemented and produced on site. At the same time, this range is to be supplemented by further products in this technology segment.

Requirements

- Completed Bachelor's degree in the field of Mechatronics or Technical Physics
- Interest in physical basics
- Knowledge in the draft of smaller circuits and programming of microcontroller
- Interest in the conception of new solutions

Example for a task

- Draft the HMI control element on the basis of magnetorheological media
- Conception of mechanical components
- Draft electronics and software necessary for control
- Assembling, testing and optimization of the developed solution



PLEASE CONTACT US

Send your complete application documents to:

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Any questions? For information, please contact:

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