



SOPAT develops and sells a photo-optical and image-based analysis measurement technology that quantitatively characterizes particulate multi-phase systems. In combination with our hardware, the innovative SOPAT software provides real time analysis of particle size distribution and characteristics.

Our goal is to produce tailor made particle measurement systems for our customers that allow for the early detection of trends and efficient process optimization. This advantage leads to cost reductions in both time and personnel that increase product quality as well as considerably reduce waste.

Industrial Internship in the field of chemical engineering, biochemical engineering or process engineering

Subject of the Internship:

In chemistry, food technology, pharmacy, mining, and in the oil industry multiphase systems are used in a lot of unit operations e.g. in saponification or extraction. In order to be economically attractive, processes are mostly carried out with a high proportion of the dispersed phase to achieve the highest possible space-time-yield without additional investment costs.

The SOPAT particle analysis system can monitor such processes without complex and time-consuming sampling. In this way, our process control obtains valuable information in real time, and is put in position to controls and optimizes the process. During the internship, the different steps that occur during the use of the PAT (process analysis technology) will be carried out with real industry products.

For the quality of the image analysis, which is the foundation of the particle analysis system, the precision and reproducibility of the calculated result is of crucial importance. Therefore, the software has to utilize various operational parameters to analyze image data from different substance systems.

Goals of the internship:

- Expanding the range of applications of the SOPAT-System
- Documentation, calibration, and standardization of the SOPAT Systems based on industry standards
- Optimization of working processes in the company

Your profile:

- You are a student (m/f) of chemical engineering, biochemical engineering and industrial engineering a comparable course of study (**minimum 4 successfully completed terms**).
- You are interested in experimental and practical work.
- Are you able to complete the internship at SOPAT for at **least five months**.

Our offer:

We provide you with interesting and varying work in a pleasant start-up atmosphere. You will be directly involved learn the processes of a young start-up company. You will work in a dynamic and high-performing team and you will get a profound insight in an interesting and highly promising technological start-up with professional structures and a solid background and **get to do your own project**.

Interested?

Then we look forward to your short application to karriere@sopat.de. Please do not hesitate to contact us; we are reachable under the telephone number: +49 30 398202001.