



**Earliest Starting
Date: Now**

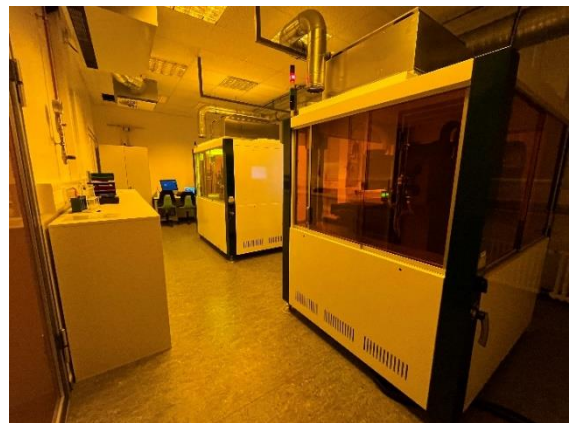
Student Assistants (HiWi Job) Process Optimization of 3D inkjet printing

Job Description:

3D inkjet printing is a precise digital 3D printing process that can produce multi-material components with accuracy in micrometer range. Our research group focuses on optimizing the 3D printing process and uses cutting-edge state-of-art printers and latest measuring equipment to examine the polymer inks and the printed components.

Your Tasks:

- Design and manufacture of 3D printed plastic components
- Rheological measurements of polymer inks
- Measurement of components using microscopes and other devices
- Systematic collection of measurement data
- Creation of standard operation procedures for measurements



Qualifications:

- Bachelor's or Master's degree in one of the STEM subjects
- High motivation and enjoy working independently
- Thorough, responsible, and safe way of working
- Experience in 3D printing with plastics desirable

We are flexible in the choice of weekly working hours (**20-40h per month**). The work can only be carried out at **Campus North** at the IAI (Building 445).

Are you interested in a practical work and would like to gain experience in 3D printing?
Please send your application to **karin.chen@kit.edu** (**Karin Chen**)
We look forward to receiving your application!

Date: 28th January 2025