Hochschule Aalen

Micro-Projection Stereolithography

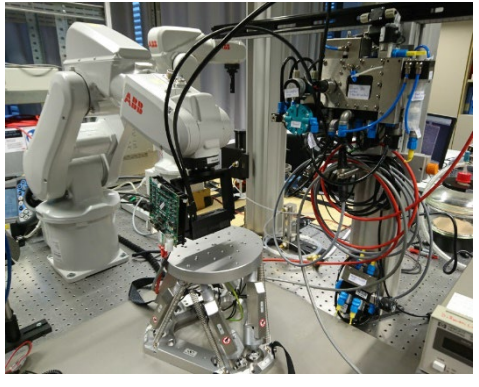
Goal and your tasks:

Additive manufacturing offers a completely new approach to the realization of optical systems. It opens up new degrees of design freedom and therefore completely new solution possibilities.
A new robot-based printing platform for additive manufacturing is currently being developed at the Center for Optical Technologies (https://www.hs-aalen.de/zot). As part of this development, the topic “3D printing with high structural resolution” is being advertised as a research project.

The detailed tasks are as follows:

- Conceptual design and construction of a 3D printing system based on the DLP principle for the realization of high-resolution additive manufacturing
- Conceptual design and construction of x,y,z kinematics
- Development of a control software & evaluation of the system

A detailed description of the topic can be provided in a personal interview.



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