



Bond3D has developed a revolutionary printing technique to produce parts made from high performance polymers through additive manufacturing. The products have the same characteristics as products that are currently produced with conventional techniques. Since the foundation in 2014, Bond3D has been developing the 3D printer to put the innovative concepts into practice. The new generation of printers that are currently being developed can print the parts quickly, in high quality and reproducibly.

Does High Tech appeal to you? And an environment in which multidisciplinary insight is self-evident? Do you seize such a technical challenge with both hands and do you want to work with your colleagues to develop concepts for this? Take your chance now and get started with Bond3D and make an important contribution to the development of this revolutionary printer.

## Internship Nozzle refurbishment

Bond3D is developing a 3D FDM printer for high performance polymers such as PEEK. The printer is designed for products in demanding medical and industrial applications. Key product features are 100% volume infill and isotropic high strength

In additive manufacturing a nozzle is used to deposit material. The nozzle used by Bond3D is based on patented in house technology and specially produced for Bond3D. Due to the processing conditions, nozzle contamination and wear are evident, which affects the quality of printed parts. This internship contributes to maintaining the high-quality standards of parts produced with Bond3D technology.

### What are you going to do?

- Main focus: Study the influence of nozzle refurbishment on product quality
- Determination of End-of-Lifetime from signal analysis
- Determine requirements for nozzle refurbishment procedure

### What do we expect from you?

- You are studying a technical Master degree e.g. Mechanical Engineering, Physics, Aerospace Engineering, Applied mathematics
- English language fluency in speaking and writing;
- Perform practical research in combination with theoretical background
- Ability to work on a project independently
- Eager to gather in-depth knowledge about several aspects of additive manufacturing

Does the above appeal to you? Then send your motivation letter and CV to: Bond3D for Arry Wegdam, via [recruitment@bond3d.com](mailto:recruitment@bond3d.com)