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# Mechanical Engineer (m/w/d) full time

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Mycrobez, a Basel-based clean-tech startup, is revolutionizing the packaging- and construction-industry by supplying a price-competitive and completely biodegradable material-alternative to Styrofoam®, Medium-density fiber boards, and plastics: mushroom-based composites (mycelium composites). They achieve this with their innovative bioprocess and by automating the whole production process. Mycrobez is in collaboration with many renowned research institutes and universities, as well as with a multitude of globally leading companies in their respective fields, and is supported by the «Migros Pionierfonds». The growing diverse team of 12 motivated and curious people aims to achieve their goals by operating out of their custom facilities in Basel.

Mycrobez is seeking a highly skilled and motivated Mechanical Engineer with expertise in rapid prototyping, digital manufacturing, manual assembly, polymechnical experience, and mechanical engineering of production machines. The ideal candidate will also possess proficiency in production processes, FEA, CAD, pneumatics, and material selection for construction.

## **Key Responsibilities:**

- Develop and design innovative mechanical solutions for production machines and processes, utilizing rapid prototyping and digital manufacturing techniques
- Perform manual assembly of mechanical components and conduct polymechnical tasks
- Utilize FEA and CAD tools to analyze and optimize designs for performance, reliability, and cost-effectiveness
- Select appropriate materials for construction based on their mechanical properties and suitability for specific applications.
- Create and maintain engineering project documentation
- Demonstrate expertise in pneumatics
- Collaborate effectively with cross-functional teams

## **Qualifications:**

- Bachelor's or Master's degree in Mechanical Engineering or a related field
- Proven experience in rapid prototyping, digital manufacturing, manual assembly, and polymechnical tasks
- Strong proficiency in mechanical engineering of production machines and production processes.
- Expertise in FEA, CAD, and pneumatics.
- Experience in material selection for construction.
- Knowledge of mathematics, including analysis, group theory, and linear algebra.
- Passion for technology and engineering, with a scientific thinking mindset.

At Mycrobez, we foster a culture of creativity, empowered work, and self-development. We believe in the power of interdisciplinary collaboration to drive impactful change and contribute to the transition to a circular economy. Our team of 12 young individuals from diverse backgrounds share a passion for using cutting-edge biotech technology to develop sustainable solutions. We are convinced that sustainable change is only possible in the long run if it is economically viable, and we strive to achieve



this through innovation and automation. Join our team and help us create a better, more sustainable future.

If you are interested or have further questions use the link or the QR-code below:  
[https://form.asana.com/?k=5RCv5UO7BvboRtim\\_ttERw&d=1200949292579463](https://form.asana.com/?k=5RCv5UO7BvboRtim_ttERw&d=1200949292579463)

