

Global thinking,  
interdisciplinary research:  
the spirit of Leibniz!



Nestled in a modern city surrounded by nature and with an exceptional standard of living, Leibniz University Hannover offers excellent working conditions in a vibrant scientific community.

The advertised position offers the opportunity to gain initial insights into scientific work as well as a comprehensive look at various aspects of manufacturing technology. The IFW offers a modern research infrastructure, future-orientated topics and a large industrial network!

**The Institute of Production Engineering and Machine Tools (IFW) welcomes applications for the following position starting at the earliest possible date:**

## Student Assistant on the subject of "Diamond grinding tools with grain concentration gradient" (23 hours per month)

The fixed-term position is for a duration of 3 months for project-related reasons.

### Your role

We are looking for support for investigations into the manufacture of metal-bonded diamond grinding tools with abrasive grain concentration gradients. You will determine the load on the grinding wheel with groove grinding of carbide tools and design the gradient accordingly. Milling tools are manufactured and used with significant influencing variables in production and their influence on the application behaviour of the tools. You will be directly involved in planning experiments, measuring results and analysing them.

The area of responsibility includes support with the:

- Planning, conducting and analysing experiments
- Creating diagrams to visualise and communicate the results
- Classification of the results in the state of knowledge

### Who are we looking for?

We are looking for a motivated student assistant to join our team with immediate effect.

Your profile:

- You have a good command of German or English
- Independent and structured work is a matter of course for you
- Knowledge of production technology and materials science is required

A prerequisite for employment is valid enrolment at a German university, ideally in a degree programme relevant to the position (mechanical engineering, chemistry, materials science or similar subjects).

Equal opportunities and diversity are core values at Leibniz University Hannover. Our goal is to tap into individual potential and open up possibilities. We therefore welcome applications from anyone interested in the position, irrespective of gender, nationality, ethnic origin, religion or ideology, disability, age, sexual orientation and identity. Preference will be given to equally-qualified candidates with disabilities.

## Why join us?

With more than 5.000 employees, Leibniz University Hannover is one of the largest and most attractive employers in the Hannover region. We offer a vibrant interdisciplinary and international working environment, and promote personal and professional [development](#) ranging from subject-related skills to languages.

To promote health and well-being among employees, we offer an extensive [sports programme](#) with over 100 different sports, as well as a fitness centre with a sauna and climbing space. [Health management](#) measures, such as courses on stress management, good nutrition and relaxation, aim to ensure a healthy workplace.

## Additional information

For further information, please contact Thomas Geschwind (phone: +49 511 762-18849, email: [geschwind@ifw.uni-hannover.de](mailto:geschwind@ifw.uni-hannover.de)).

Please submit your application and supporting documents by 15<sup>th</sup> of March 2025 to

Email: [geschwind@ifw.uni-hannover.de](mailto:geschwind@ifw.uni-hannover.de)

or alternatively by post to:

**Gottfried Wilhelm Leibniz Universität Hannover**  
Institute of Production Engineering and Machine Tools  
Mr. Thomas Geschwind  
An der Universität 2, 30823 Garbsen

<http://www.uni-hannover.de/jobs>

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