



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research assistant - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

Faculty V - Institute of Machine Tools and Factory Management / Machine Tools and Manufacturing Technology

Reference number: V-104/25 (starting at the earliest possible / limited until 28/02/2026 / closing date for applications 28/03/25)

Working field:

- Collaboration in the research of the department and independent work on a research project in the field of precision machining
- Development of technologies for the production of complex high-performance optics from brittle-hard materials
- Design and construction of a micro-optical prototype for the precise and resilient integration of high-power sources for quantum communication
- Planning, execution and evaluation of experimental machining tests
- Transfer of findings into teaching and knowledge transfer to industry
- Presentation of research results to industry representatives and scientists and scientists at (inter)national specialist conferences and trade fairs
- international, scientific travel activities

Requirements:

- Successfully completed scientific university studies (Diplom, Master or equivalent in mechanical engineering or related engineering sciences)
- in-depth knowledge in the field of ultra-precision machining and machining of brittle-hard materials using diamond tools
- in-depth knowledge of ultra-precision machine tools and technologies for ultrasonic-assisted machining
- Knowledge in the areas of design, optical and tactile measurement technology and process monitoring
- Good command of German and/or English required; willingness to learn either English or German is expected

Desirable:

- Willingness to undertake business trips (national, international)
- Confident in working with MS Office products
- Prior knowledge in the field of statistical experimental design and experience in project management
- Independent, systematic and structured way of working
- Willingness to work responsibly in laboratories and on machine systems (incl. maintenance and care)

Please send your application, stating the **reference number**, together with the complete documents (certificates, diplomas, etc.) **exclusively by email** bundled in one PDF document to Prof. Dr.-Ing. Uhlmann via **bold@iwf.tu-berlin.de**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät V, Institut für Werkzeugmaschinen und Fabrikbetrieb, FG Werkzeugmaschinen und Fertigungstechnik, Prof. Dr.-Ing. Uhlmann, Sekr. PTZ 1, Pascalstraße 8-9, 10587

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

