



Technische  
Universität  
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## Modelling of particles agglomeration in dry grinding



In dry fine grinding processes the relevance of particle-particle interactions rises with increasing product fineness. These particle-particle interactions promotes agglomeration of fine material, reducing the grinding efficiency and complicating the process control. The understanding of particle agglomeration and its relation with process parameters would help in better prediction of industrial process results.

This project proposes a preliminary model for fine particles agglomeration. The steps project include a literature review, experimental work and formulation of a empirical or fundamental model.

### Possible working packages:

- Literature review
- Analysis of previous experimental data
- Dry grinding experiments
- Formulation of empirical model



Source: Retsch



**Studien-, Diplom- bzw. Masterarbeiten** are available for this project. The project can be adapted for students of bio-, chemical and pharmaceutical engineering, mechanical engineering.

Feel free to contact me for a brief conversation about this or other possible topics.

**Start:** Any time

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