Rock crushing and mineral separation lab	Model: Unit and Room: Responsible: Further information:	*Various* *Mineralogy, Lab Build., R. 00023* *Dagmar Fleming (Dr. Hiltrud Müller-Sigmund)* *http://www.minpet.uni-freiburg.de/sites/analytik/aufbereitung.html*

Short Description:

In this laboratory, crushing and milling of rock samples in preparation for further chemical analysis can be carried out.

Picture of the Equipment

Available Experiments/Techniques:

- crushing of rock samples
- milling of rock
- mineral separation

Special Equipment:

jaw crusher, agate swing mill (>50µm), micro mill (>1 µm), shaker tables (wet and dry), different grinders and sieves, magnetic barrier separator, mineral separation by heavy liquids.

Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☒ Students after extensive training ☒ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	
Typical problems that may be solved with this instrument:	