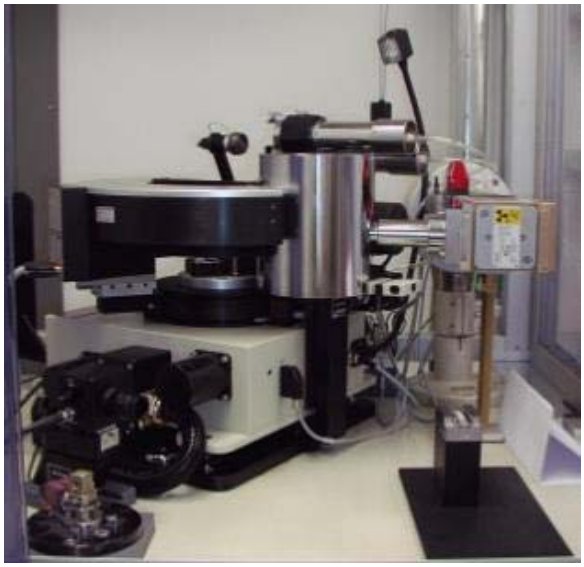
Methods, IAAC, Hillebrecht

X-ray powder diffraction *IP-Detector*	Model: Unit and Room: Responsible: Further information:	*STOE STADI P* *Inorg. Chem. basement (Chemistry II, R -142)* *Dr. Thilo Ludwig* *http://portal.uni-freiburg.de/fkchemie/Ausstattung/roentgenbeugung*

Short Description:

X-ray powder diffractometer with Transmission/Debye-Scherrer goniometer, Cu-Kalpha-radiation, Ge(111) monochromator and image plate detector (IP; range: 140°)

Picture of the Equipment



Available Experiments/Techniques:

Transmission measurement with flat specimen for fast measurments with image plate detector

Special Equipment:

automatic sample changer for up to 30 samples

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	J. Solid State Chem. 182 (2009) 538-546; Solid State Sciences 10 (2008) 291-302; J. Solid State Chem. 182 (2009) 995-1002;
Typical problems that may be solved with this instrument:	*phase analysis; determination of cell parameters (indexing)*