Powder X-ray diffractometer

Model: Bruker D8 Advance eco

Radiation source: Cu

Detector: High resolution position sensitive detector (LYNXEYE XE-T)

Experimental geometry: i. Bragg-Brentano

ii. Parallel beam (Göbel Mirror)

Possible measurement/analysis capabilities:

i. Phase identification

ii. Quantitative phase analysis

iv. Structure determination and refinement

v. Microstructure (crystallite size, microstrain,)

v. Grazing incidence for thin films/coating

Available data analysis software: EVA and TOPAS