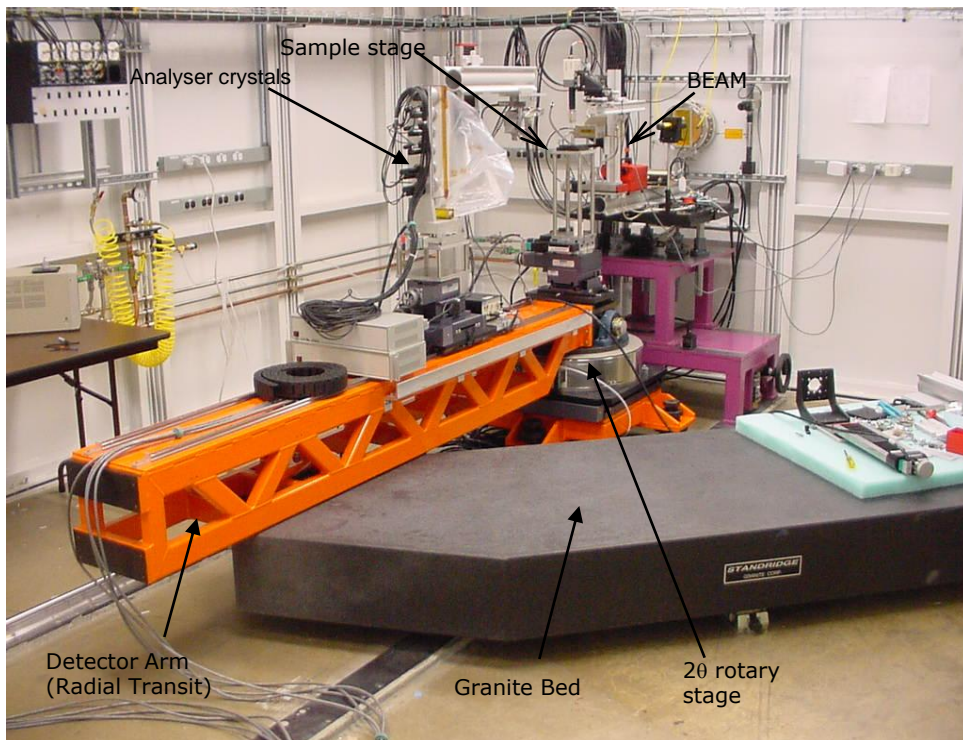


Features

- Large 3m detector arm with variable radius for selection of energy resolution.
- 0.01° accuracy in horizontal 2θ angle .
- 4 arcsecond vertical stability ($10\mu\text{m}$ deflection on 2m radial transit).
- Ultra-stiff air bearing end support onto precision granite table.
- Up to 90° range with single granite table, up to 180° range with multiple tables.

Inelastic X-Ray Scattering Spectrometer



IXRS + NRS

The spectrometer permits inelastic X-ray scattering studies (IXRS) and nuclear resonance spectroscopy (NRS). It provides a unique probe into properties such as electronic band structure and phonon dynamics under high pressure.

Energy ranges of 5-20+keV and resolutions down to meV are possible when used in conjunction with a ultra high resolution monochromator.

Instrument shown in IXRS mode and in operation at the HP-CAT at the Advanced Photon Source, Chicago.

For more details contact IDT (below)

