



Single Crystal X-ray Diffraction Facility (SCXRD) Single Crystal X-ray Diffraction Facility at SIC is equipped with State of the art dual core Agilent Technologies (Oxford Diffraction) Super Nova CCD System. It gives access to micro-focus Cu and Mo sources which allows even small size crystals data collection and fairly good structure solutions. It is also equipped with Oxford cryo systems which enable temperature range from 90 to 400 K. There are also high definition microscopes for separations and mounting of crystals.

Services provided include:

- Crystal screening and mounting, including air-sensitive samples.
- Diffraction data collection under various conditions, including temperatures as low as 90 K .
- Structure solution, refinement, and interpretation upto publication level.
Cambridge Structure Database searching.

Single Crystal X-ray Diffraction Facility is an independent National Facility. Currently, it is offering service to School of Basic Science within the Institute, other academic institutes and Industries throughout India for X-ray Crystallographic studies