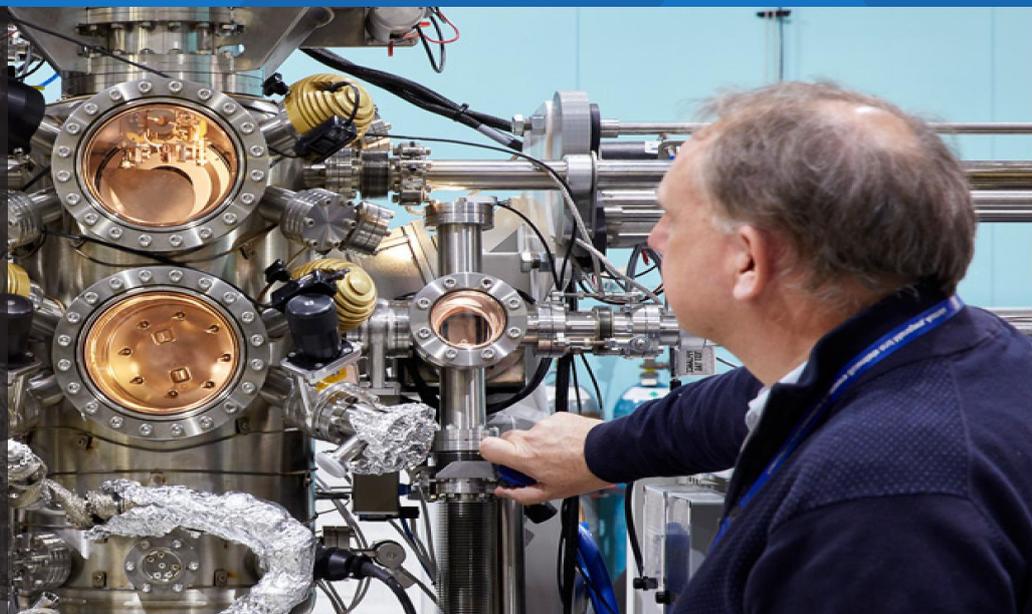


Advanced service ht-NEXAFS

ANSTO's Australian Synchrotron has a high throughput NEXAFS chamber on the SXR beamline for studies of materials structure, molecular orientation, elemental speciation and spectral 'fingerprinting' to identify local bonding environments



An expert beamline team, highly skilled in data collection and analysis are ready to discuss your experiment
World class resolution
Fully automated data acquisition system
Small sample size
High vacuum environment

Standard measurement service offering

Room temperature measurements

Choice of energy: 90eV (137.76Å)-2500eV (4.96Å)

40 element standard reference materials bar for spectral energy calibration

Reference material included

Reference scan collected simultaneous with actual sample data

Data delivered ready for direct import into standard analysis software

Standard measurement service offering

IP Protection

Confidentiality

Fast and guaranteed access

Access to world class NEXAFS system for analysis, and a beamline team with over 50 years of combined experience

Calibration benchmarking with ISO 9001:2015 (Quality Management System) certification

Customised service designed to exceed client expectations

Extras

Affordable pricing scheme

Sample sticks and instructions for easy sample loading supplied

Instruction manual for building the data taking controlling file supplied

Sample loading and construction of data taking controlling file services are also available

Technical capabilities

High throughput system on high flux undulator beamline

Ideal for room temperature solid and powder samples, can measure both conductive and insulating specimens

Changeable energy (90-2500eV) to suit a vast range of samples

Beamsize at sample is 1 x 1 mm

Simultaneous bulk (~250nm) and surface sensitive (~10nm) data acquisition modes

Able to detect elements to ~1wt%

Batch automation allow for data acquisition of several hundreds of samples without intervention

Data acquisition in minutes

Batch quality assurance via high throughput of samples

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