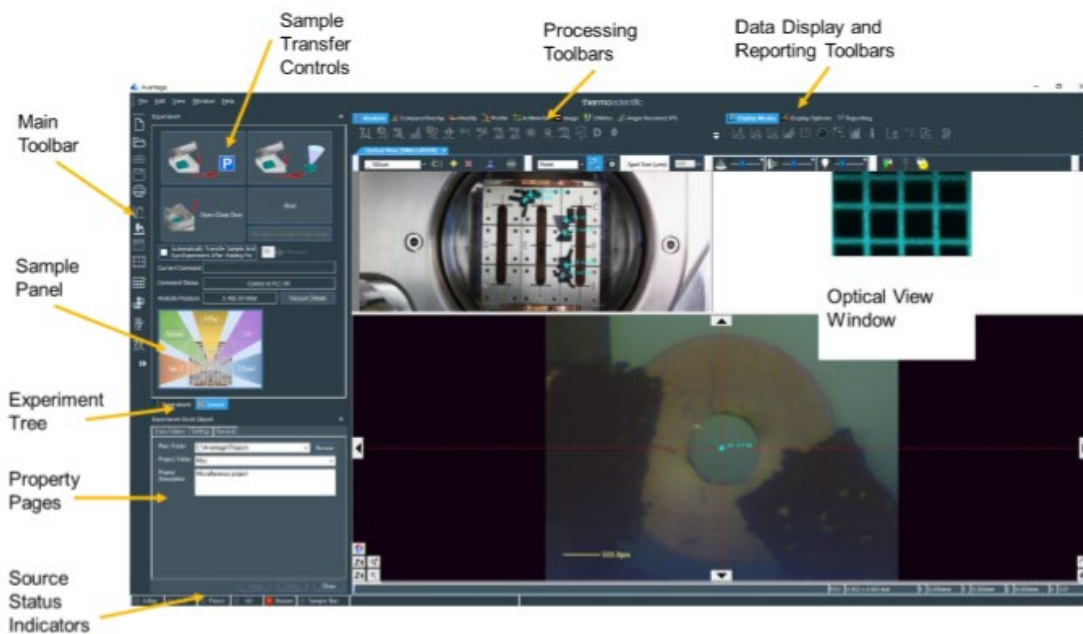
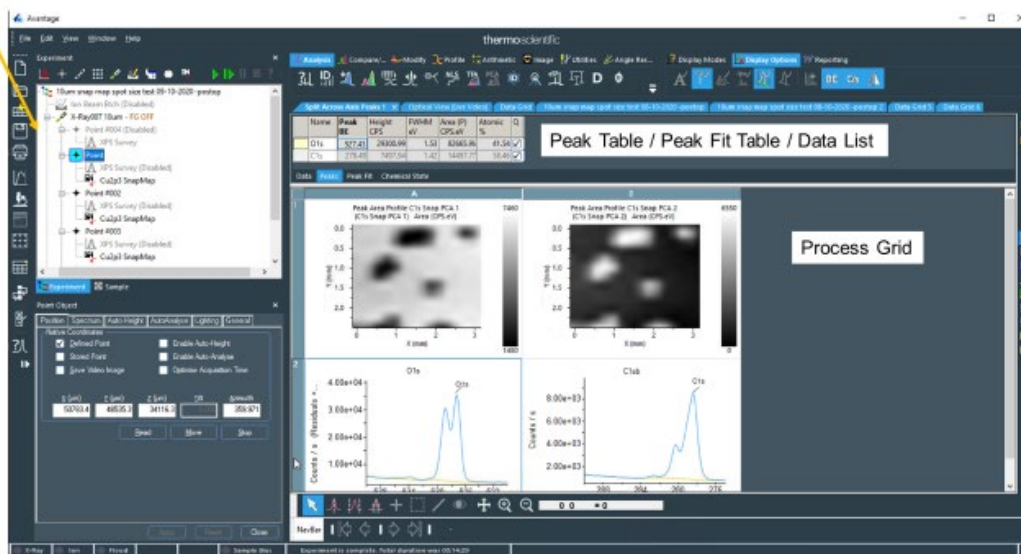


Avantage Software Overview

Main Screen Layouts

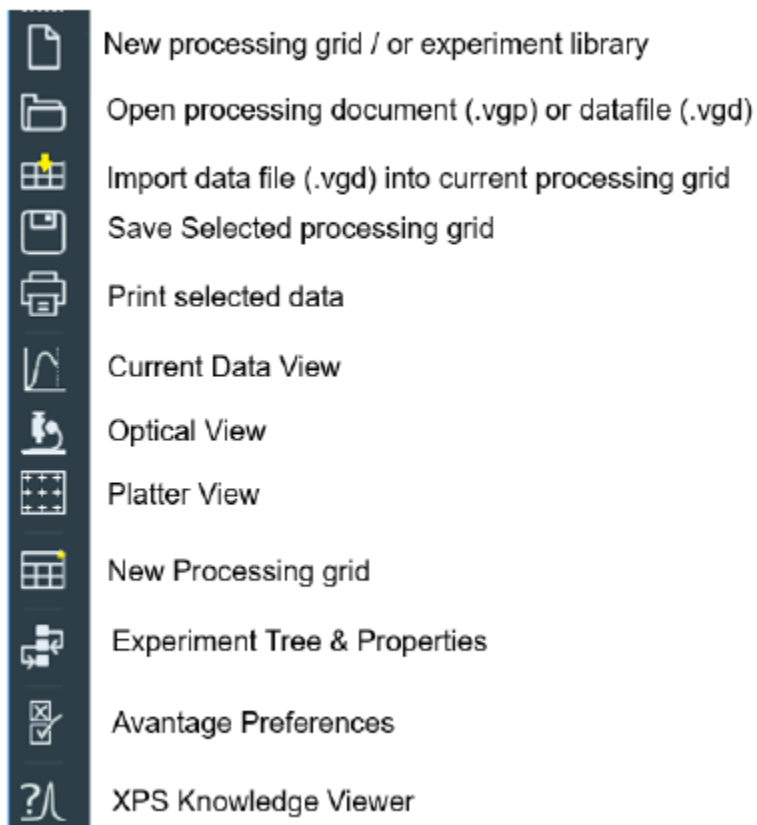


Experiment Tree

















For full information on the commands, see the Avantage help file in the software
















Main Command Menu Toolbar Icons















Data Analysis Icons

	Survey ID
	Manual peak ID
	Add peak
	Peak fitting
	Peak table profile
	Charge shift
	Chemical state assessment
	Non-linear least squares fitting
	Target factor analysis
	Principal components analysis
	eSP – Enhanced survey process
	Band Gap Measurement
	D-parameter measurement
	Work function measurement

Process Grid Icons

	Save peak table
	Load peak table
	Toggle constraint display (Peak fit table)
	Lock selected constraints (Peak fit table)
	Clear selected constraints (Peak fit table)
	Propagate constraints (Peak fit table)
	Resizable cells
	Maximise selected cells
	Tile cells
	Size all cells to current cell size
	Size all cells to default cell size
	Add cells
	Subtract cells
	Grid preferences
	Axis preferences

Display Modes

	Single trace
	2D chart
	Stacked chart
	3D chart
	2D image
	Relative depth
	Bar chart
	Information
	Energy spectrum
	2D image X-Y
	Display as profile
	Chart properties

Display Options



Toggle user annotations



Toggle peak labels



Toggle fitted peaks



Toggle residual



Toggle peak backgrounds



Toggle user backgrounds



Sum data series



Display spectrum in binding energy mode



Display spectrum in counts per second mode



Reverse energy axis

Reporting



Report to MS Word



Report to MS Excel



Report to clipboard (use for reporting to MS PowerPoint)



Report preferences



Number of spectra on one row of report output



Include selected empty grid cells

Compare & Overlay



Lightbox compare



Overlay



Overlay manager



Image overlay



Overlay image on optical image



Combine

Modify

Smooth



Energy deconvolution



Differentiate



User background



PCA reconstruct



Spin-orbit subtract

Arithmetic

Add a constant



Subtract a constant



Multiply by a constant



Divide by a constant



Add spectra



Subtract spectra



Multiply spectra



Divide spectra

Profile



Smooth profile



Interface width calculator



Time to depth



Split profile



Escape depth correction

Image



Average spectrum



Smooth image



Line / band scan



Interpolate scattered data



Phase analysis



Split image



Image deconvolution

Utilities



Clone dataspace



Crop / Collapse dataspace



Trim dataspace



Export data



Import data



Resample data

Angle Resolved XPS



Relative depth plot (requires tilt module)



Single overlayer calculator



Multi-overlayer calculator (requires tilt module)



ARProcess (requires tilt module)