



Nexsa Surface Analysis System

- Biomaterials
- Carbon
- Ceramics
- Coatings
- Fibers
- Glass
- Metals
- Nanomaterials
- Oxides
- Plastics
- Polymers
- Powders

High-performance XPS with multi-technique integration

Surface and interface analysis can be challenging. It requires instrumentation that can quickly deliver high quality, confident answers to the questions posed by material science. The Thermo Scientific™ Nexsa™ Surface Analysis System is a high-performance X-ray photoelectron spectrometer, designed for the integration of other analytical techniques without compromising data quality or sample throughput.



Description	Thermo Scientific Nexsa
X-ray source type	Monochromated, micro-focused, high-efficiency Al Ka X-ray source
X-ray spot size	10 – 400 μm (adjustable in 5 μm steps)
Analyzer type	180°, double-focusing, hemispherical analyser with 128-channel detector
Sample stage area	3600 mm ²
Maximum sample thickness	20 mm
Charge compensation	Co-axial dual beam flood source with automated operation
Depth profiling	EX06 monatomic ion source or MAGCIS dual mode ion source
Optional Accessories	UPS, ISS, REELS, iXR Raman spectrometer, MAGCIS, sample tilt module, sample bias module, vacuum transfer module, adaptor for glove box integration
Vacuum system	2 turbo molecular pumps, with automated titanium sublimation pump, and backing pump