# 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 |

Find out more at **thermofisher.com/Nexsa**

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