

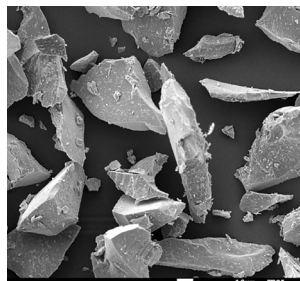
Advanced Microscopy Analysis Services



Do you need to look at the nano or microscale structure of a surface or a material? Do you have biological materials which you need to look at with a high power microscope?

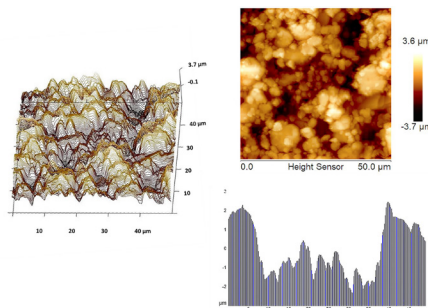
Nottingham Trent University is funding a pilot project which will allow our experts to work with you and to establish your future analytical needs. This pilot is focussed on advanced imaging but there is also an extensive suite of state-of-the-art analysis tools available.

* **Jeol SEM+ EDX** (Resolution: 1.2nm guaranteed at 30Kv, 3.0nm guaranteed at 30Kv; Probe current: 1×10^{-12} A to 2×10^{-7} A; Element mapping);



* **Jeol TEM** (Resolution: 1.4Å (lattice) and 1.94Å (point to point); Magnification at 200Kv: standard 2000x to 1,500,000x, low magnification 50x to 1000x);

* **Dimension ICON AFM** (Material Mapping: QNM mode 1MPa to 50GPa for modulus, 10pN to 10µN for adhesion; Nanoindentation; Electrical Characterisation: KPFM and TUNA mode; Heating and cooling; Imaging: Tapping mode, QNM, Contact mode);



* **Olympus Microscope BX51**
(Magnifications: 2.5x to 100x; Filters: DAPI, Bright field, Red, Dark field).

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Advanced Microscopy Analysis Services are provided through NTU's Scientific Services to Industry

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