



## MATERIALS ANALYSIS >

R-TECH Materials offers a wide range of chemical analysis services for many different materials including metals, ceramics, polymers, liquids, dusts and fibres.

In addition to analysis, we also have techniques for characterizing materials, such as microscopy, particle sizing, surface texture and thermal analysis.

We have access to the most up to date analytical equipment, with staff who are used to working in industrial laboratory environments.

With experienced professional analysts, R-TECH Materials is able to recommend the best techniques for your application, and apply the interpretation that adds value to your analysis.

Chemical analysis is often an integral part of R-TECH Materials' consultancy contracts. Our ability to combine analytical and materials engineering expertise gives you the understanding, interpretation and solution to your materials problems.

### Our extensive range of techniques includes:

- > Optical Emission Spectroscopy (OES)
- > Combustion C,S & N
- > Ion Chromatography
- > X-Ray Diffraction (XRD)
- > Inductively coupled plasma (ICP / ICP-MS)
- > Gas Chromatography (GC, GC-MS)
- > Infra Red (FTIR)
- > Ultra Violet (UV)
- > Particle Sizing
- > Surface texture
- > Wet Chemistry
- > X Ray Fluorescence (XRF)
- > Energy Dispersive X-Ray Microanalysis (EDX)
- > Differential scanning calorimetry (DSC)
- > Thermogravimetric analysis (TGA)
- > Thermomechanical analysis (TMA)



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