

# SURFACE ANALYSIS AT CSMA



CSMA's expertise is world-renowned, built up over twenty years of solving problems for a wide range of industries including:

- Packaging and Printing
  - Biomedical Devices
  - Automotive
  - Electronics / Semiconductors
  - Household Products
  - Coatings
  - Pharmaceuticals
  - Aerospace
  - Paints
  - Oil and Gas
- WE SPECIALISE IN :-
    - Failure Analysis
    - Surface Cleanliness
    - Contamination
    - Adhesion
    - Printability
    - Biocompatibility
    - Wear
    - Lubrication
    - Corrosion
    - Colour Changes
- BENEFITS OF SURFACE ANALYSIS TO INDUSTRY :-
    - Trouble shooting problems with existing products
    - Defending product claims
    - Settling commercial liability disputes - Expert Witness
    - Reverse Engineering of competitor products
    - Validating new products and processes
- TECHNIQUES INCLUDE :-
    - XPS
    - Static SIMS (ToFSIMS)
    - Dynamic SIMS
    - Optical Microscopy
    - SEM / EDX



A comprehensive range of analytical techniques are available for rapid problem solving with turnaround within 48 hours if required.

Contact: **Tony Kinsella, Managing Director**

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CSMA Ltd is a subsidiary of **CERAM** your partner in materials & technology





Directions are given below for visitors travelling by road from the north or south of Stoke on Trent. CSMA Ltd can also be conveniently reached by rail (approx. 2 miles from Stoke-on-Trent station, on the main inter-city route from Manchester to London Euston). Manchester International, Birmingham International and East Midlands airports are all approximately one hour by road from CSMA.

#### APPROACH FROM THE NORTH

- Leave M6 at junction 16 and take the A500 to Stoke
- Turn right at the A53 Newcastle roundabout and take the A53 towards Newcastle-under-Lyme
- Go through the traffic lights and take 2nd left (Victoria Street)
- Through another set of traffic lights
- Left at the next traffic lights and proceed as far as Hartshill Church (on the left)
- Turn right into Princes Road and turn immediately right into Queens Road
- CSMA is 1/4 mile on the right

#### APPROACH FROM THE SOUTH

- Leave M6 at junction 15
- Go straight on at the roundabout (following sign for A500)
- Remain in left hand lane and take first exit (sign posted Newcastle-Under-Lyme A34)
- Turn left at roundabout (following sign for Newcastle-Under-Lyme (A34)
- Move into right hand lane and take 2nd turning on right (by the Black Lion pub)
- Next take the 7th turning on left (immediately after The Oak Tree pub)
- Follow the one-way system around the side of Penkhull Church
- Turn left at mini-roundabout and then first right into Queens Road (Post Office on the corner)
- CSMA is 1/4 mile on the left

#### CONTACT INFORMATION :-

##### HEAD OFFICE :

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