

Crystal Structure and Particle Size & Surface Area Analysis

- 1. Bruker D2-Phaser XRD**
- 2. Bruker D8 Advance XRD**
- 3. Malvern Nano-ZS Zeta Sizer**
- 4. Micromeritics 3Flex BET**

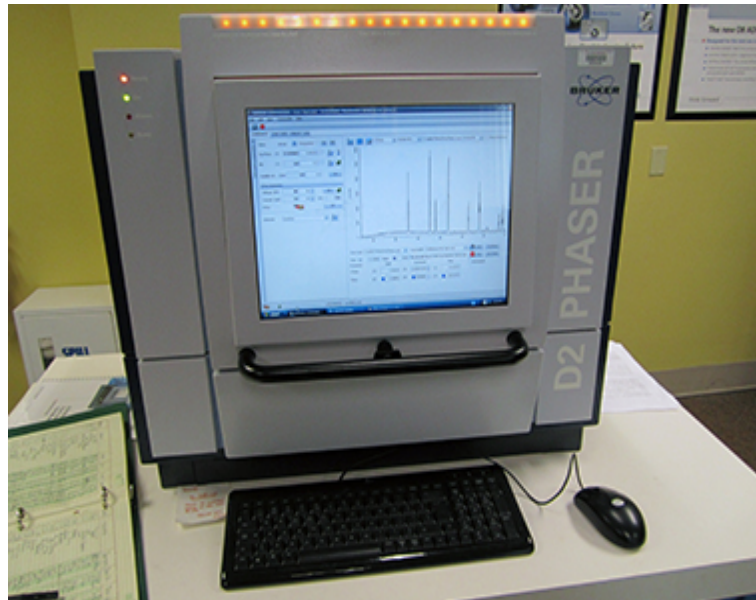
X-ray Diffractometers (XRD)

Instrument models available

- Bruker D2 Phaser XRD
- Bruker D8 Advance XRD

Key features of D2 Phaser XRD

- The D2 PHASER with LYNXEYE detector is the most compact and fastest, all-in-one crystalline phase analysis tool available on the market
- Desktop diffractometer equipped with an integrated PC and a flat screen monitor
- LYNXEYE™ detector for collection of high quality X-ray powder diffraction data with unprecedented speed
- Tube power 30kV/10mA
- Anode Cu



Key features of D8 Advance XRD

- Power at 40KV, 40mA
- X-ray tube is Cu, 2.2KW
- Usable angular range (2theta) is 1-140°
- Smallest angular step size is 0.0001°
- Scintillation counter detector
- 9-position auto sampler



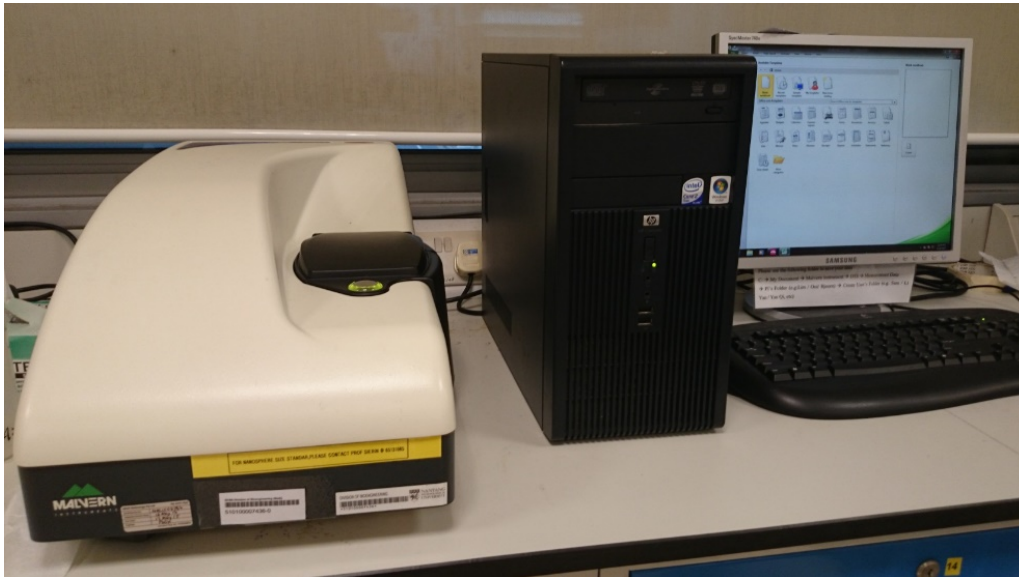
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Zeta Potential and Nano Sizer

Key features of Malvern Nano-ZS

- Measurement principle Dynamic Light Scatter (DLS)
- Measurement range 0.3 nm to 10 μm (diameter)
- Minimum sample volume 12 μL



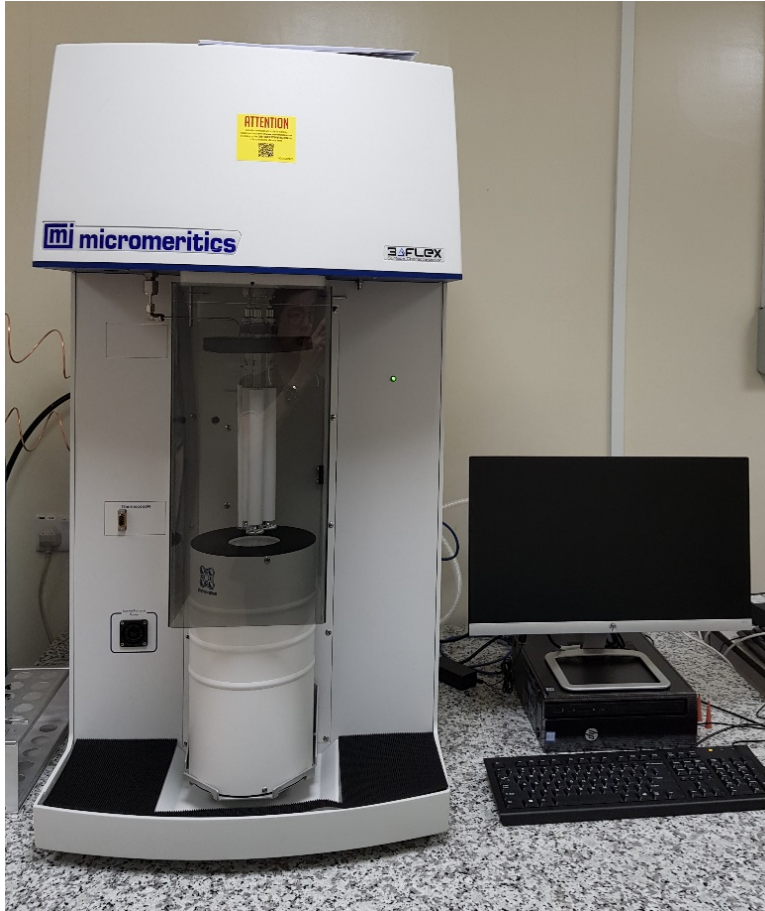
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Micromeritics 3Flex BET

Key features of MI 3 Flex

- 3 analysis ports, 2 micro- and 1 meso- pore analysis.



Location: N1.2-B3-06

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