













21 Jan 2025: MDMF(CWB) Workshop -Nanoindenter Training











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Non Detructive Inspection Machine	
3D Surface Metrology : BrukerNPFLEX-1000	Delivers the accurate and repeatable surface texture and roughness metrology
Contact Angle Meter : Biolin Theta	Contact angle, $\boldsymbol{\theta},$ is a quantitative measure of wetting of a solid by a liquid.
Particle Size Analyzer	Measure the size of particle distribution Using ultrasonic to detect Delamination and crack, Failure analysis, Transducer 110 MHz, 50 MHz
Scanning Acoustic Microscope (C-SAM)	scanning area (350 x 350 mm)
Surface Area and Pore Size Distribution Analyzer	Using gas adsorption method to measure Surface area
TecScan 7 Axis Immersion Scanner	Crack, Delamination Detection, Failure analysis, 1Mhz Transducer (Tank dimension: 2.0 X 1.2 X 1.2 m deep)
X-Ray with CT Imaging System	CT, Failure analysis (Recommend 5 x 5 mm)
ZetaPlus (Zeta Potential Nano-particle Analyzer)	Measure the magnitude of the electrostatic repulsion/attraction between particles and is one of the fundamental parameters known to affect stability of dispersed systems. Its measurement brings detailed insight into the causes of dispersion, aggregation or flocculation, and can be applied to improve the formulation of dispersions, emulsions and suspensions.