

114 “A Preliminary Investigation into the Study of Reactive Powders using Automated Image Analysis”

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Abstract

Highly reactive powders are notoriously difficult to characterise, due their affinity for moisture and other gaseous species. AWE plc, in conjunction with Malvern Instruments Ltd, have investigated ways of addressing these issues with respect to the measurement of particle size and shape. Simulant materials have been studied using the Morphologi G3 Particle Characterisation System, utilising a novel liquid dispersion cell in comparison with an integrated dry dispersion technique.