



Indentation Scratch Testing with the iMicro

Example - Brittle Thin Film on a Hard Substrate

The image below is an example of a scratch performed on a brittle thin film in the iMicro with the InForce1000 actuator. The “Scratch Maximum Load” was 2mN, the “Scratch Length” was 90 microns, and the profiling load was 50 microNewtons. There is clear evidence of the spallation of material in the image as well as excellent correlation to the applied load versus scratch length data.

