

# **MEASUREMENT OF MECHANICAL PROPERTIES AT SMALL SCALES BY NANOINDENTATION\***

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Nanoindentation has gained widespread acceptance as a tool for measuring the mechanical properties of thin films, thin surface regions, and small volumes of material. In this presentation, an overview of the capabilities of the technique as it potentially pertains to failure analysis will be given. The advantages and limitations will be discussed, and advice will be given on how to obtain meaningful measurements.

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