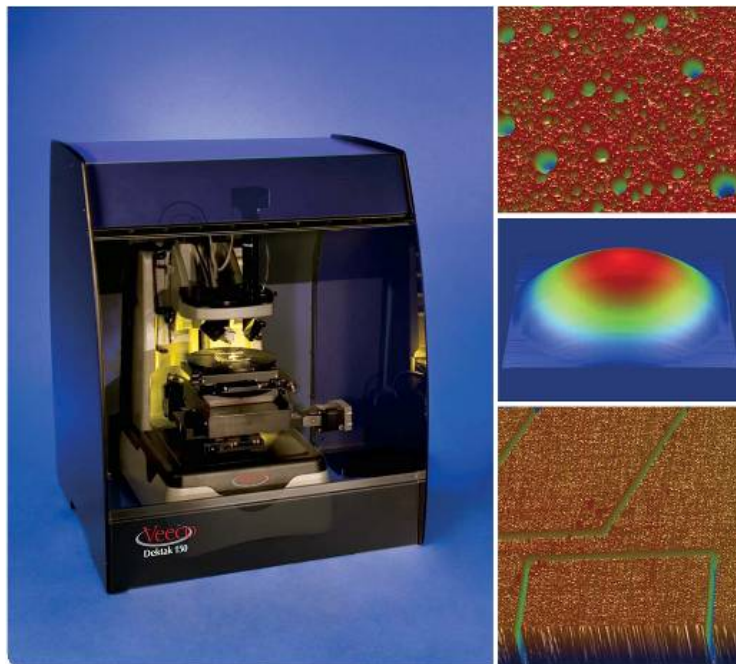


## **Auburn Multiscale Tribology Laboratory Veeco Dektak 150 Stylus Surface Profilometer**

The Veeco Dektak 150 is a machine capable of making micro to nano-scale measurements of the surface profile of a surface. It uses a contacting stylus tip. Different shapes and sizes of tips can be used. The machine is fitted with the N-Lite Low Force package and 3-D mapping option. The Low Force package allows the tip to take measurements without causing significant surface damage, even on some soft surfaces. The 3-D package will allow for the tip to scan the surface and provide a 3-D topographical profile of it. The measurements can be used to examine the contact mechanics between surfaces, for lubricated bearings, and for quality control.



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