

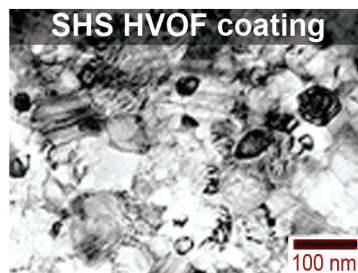
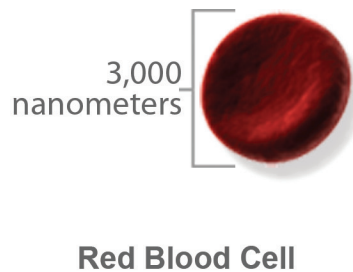
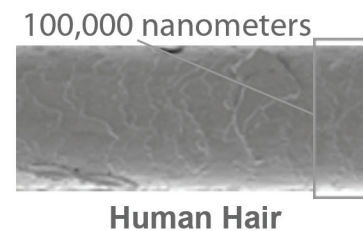
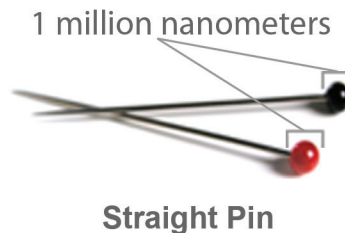
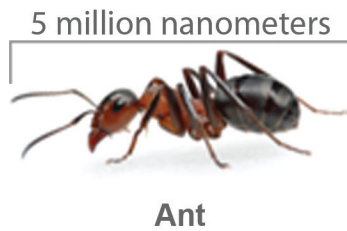
Nanometer Length of Scale Perspective

How small is a nanometer?

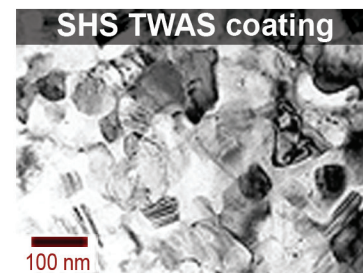
NanoSteel's Super Hard Steel (SHS)® alloys feature microstructures refined to a nanoscale, a length of scale which is defined as 1 to 100 nanometers.

Grains refined to a nanoscale in the microstructures of SHS HVOF and TWAS thermal spray coatings can only be seen through the lens of an electron microscope.

In the amount of time that it took you to read this page, your fingernails each grew one nanometer in length!



SHS HVOF microstructure refined to a nanoscale with average grain sizes of ≤ 50 nanometers



SHS TWAS microstructure refined to a nanoscale with average grain sizes of ≤ 50 nanometers