

## **What size-reduction equipment is used for aggregated nanoparticles?**

Once particles have aggregated or sintered milling equipment is necessary. Getting back to the nanometer size range requires special conditions. The early successful attempts were made at Kodak, where they improved on salt milling - that is using salt as the grinding media and then dissolving the salt when the particle size is low enough. I heard an interesting presentation by Netzsch which showed lots of interesting techniques for making nanoparticle dispersions.<sup>1</sup> (<http://www.netzschusa.com>) They were selling the idea that you do not need to start with the nanoparticles, but that you could reduce the particle size of micron sized particles to that size range in their equipment.

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<sup>1</sup> [http://www.netzschusa.com/company\\_brochure\\_pages/Grinding/NanoParticlesPaper.pdf](http://www.netzschusa.com/company_brochure_pages/Grinding/NanoParticlesPaper.pdf)