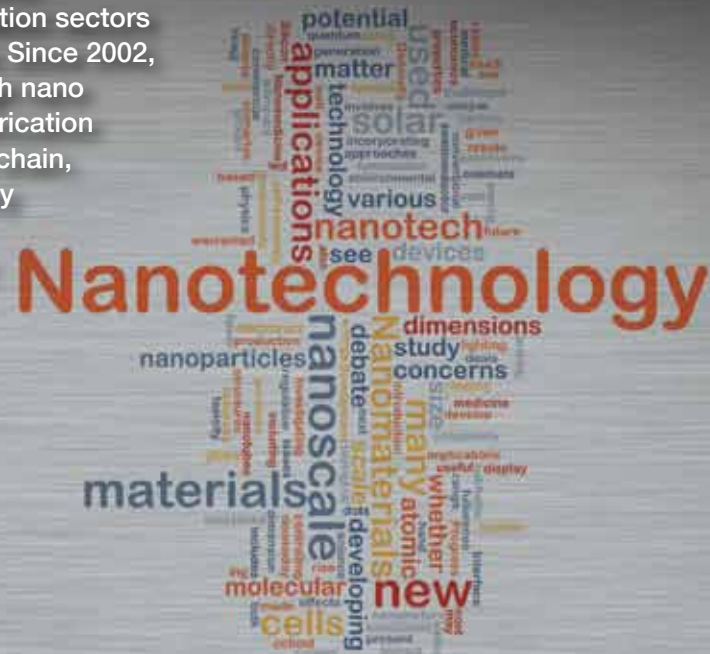


Meet the global nanomanufacturing engine, committed to bringing nanomanufactured products to market that impact lives and improve the world.

We ThinkSmall™ to deliver big product innovations. Our award-winning innovations in critical application sectors are making a difference to improve quality of life. Since 2002, the company has given to the world breakthrough nano innovations in machining and manufacturing, lubrication and energy, packaging for fresh produce supply chain, biomedical implant coatings and strategic military applications. We bring ideas from innovation to implementation, making big worldwide changes one small step at a time.



TuffTek® is the world's first cubic boron nitride composite coating on carbide tools and wear parts designed for extreme wear resistance which provides a breakthrough increase in performance.



nGlide is designed through nanoengineered, multifunctional formulations for general and advanced lubrication applications. nGlide addresses a global need to save energy while enhancing durability and performance of equipment.



nGuard™ is a patent-pending multi-component additive for sustainable product applications in a variety of industry sectors.



ElementX™ provides custom engineered pure metal and alloy nano-powders specifically designed to solve the unique problems of our customers, adding significant value to their products.



Making Atoms Work Harder and Smarter™

For more information on all of the NanoMech® products visit www.nanomech.biz.



Tools that cut forever?
Almost.

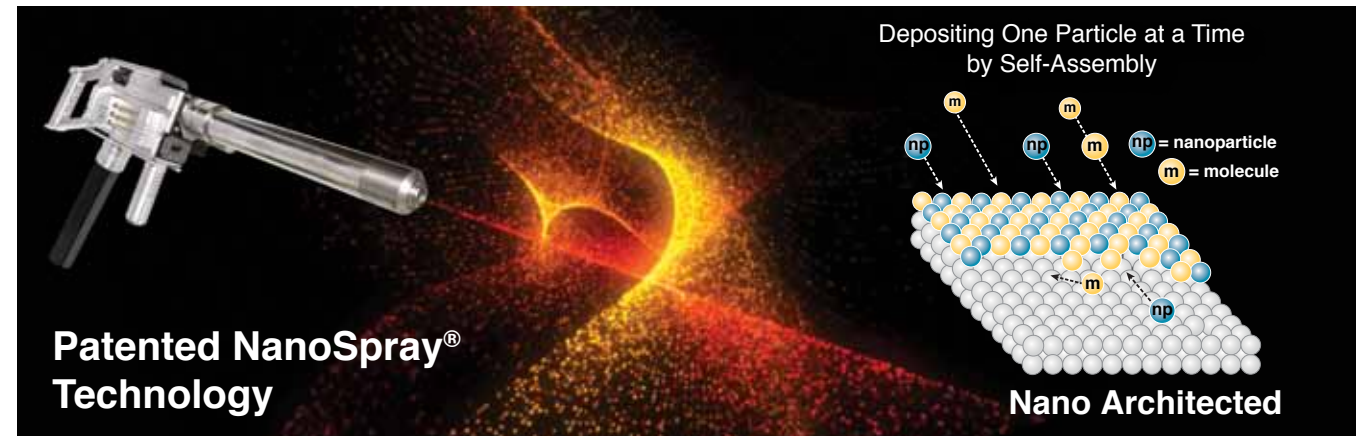




Our revolutionary new coating makes tools last longer than ever before.

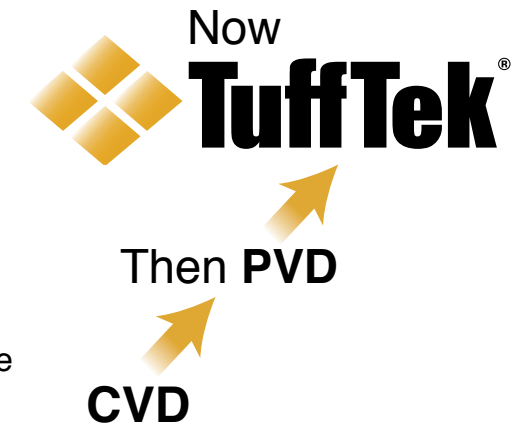
TuffTek® is a game-changing breakthrough in insert solutions and coatings, using a combinatorial approach with extreme properties, such as the super-hardness of cubic boron nitride and other chemistries. TuffTek® is adhered through our patented nanotechnology with the industry-recognized standard, titanium nitride, to deliver next-generation machining products. This patented combinatorial approach has been recognized by *Cutting Tool Engineering* magazine as “**The Holy Grail**” of insert coatings.

The Next Generation of Hybrid Nanomanufacturing Technology



Advantages Over Conventional Coatings

- Increased tool life and productivity
- Excellent surface finish (less than 1 micron)
- Cost advantages
- Excels in wet and dry applications
- Improves part quality
- Increases production profits
- Allows use of chip breaker insert geometries
- Allows use of inserts with cBN coating and sharp edge (no T-land or K-land), reducing the tool pressure on work pieces and improving surface integrity



Numerous Material Coating Options

Using our state-of-the-art technology, virtually any insert style can be coated with TuffTek®.

