



Nanocerox awarded NAVY SBIR Phase I

NANOCEROX CONTINUES TO PROVIDE LEADING CERAMICS TECHNOLOGY FOR MILITARY APPLICATIONS.

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Nanocerox was recently awarded a Phase I Small Business Innovation Research (SBIR) grant through the Navy to develop large area infrared windows for use in applications currently served by crystal sapphire.

The primary goal of the program is to develop a material that exhibits optical performance equivalent to sapphire combined with the mechanical strength and stiffness necessary for use in large area high-speed windows that can be produced at no more than 2/3 the cost of single crystal sapphire.

Nanocerox will use liquid phase flame spray pyrolysis (L-FSP) to produce nanocrystalline ceramic oxide powders, then process these powders into transparent polycrystalline ceramic samples for optical and mechanical testing. Following successful demonstration of a material that meets the required optical and mechanical performance specifications during Phase I, processing will be scaled up to produce 12"x18" windows during a potential Phase II program.



ABOUT NANOCEROX



Nanocerox is a leading producer of high purity ceramic nanopowders and optical ceramics; and develops, refines and manufactures nanopowders to produce products requiring transparency, durability and heat resistance for use in industrial, military, medical and aerospace applications. Nanocerox's patented Liquid Flame Spray Pyrolysis process produces highly pure, chemically-precise and uniformly-sized nanoparticles.

WEBSITE

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