



## **D-Space Black article to appear in ADVANCED SURFACE TECHNOLOGIES NEWS**

**Title:** *A Powerful Partnership*

**Lead-In:** AST and N-Science have joined together to produce a series of ground-breaking products known as Deep Space Black. Read on to learn about the process and benefits.

### **Copy:**

A partnership between AST and N-Science has produced a high-quality black surface process known as Deep Space Black (DSB). The process developed out of the need to provide a reliable black surface process to AST's science instrument customers, including optical system engineers. The aerospace sector was a major factor in the development of black surface processes. However, AST and N-Science sought to expand its reach and they could see the benefits for other industries. DSB makes black surface processes readily available outside of the aerospace sector.

A reoccurring problem for optical system engineers is preventing unwanted light from invading their designs. DSB eliminates this nuisance by supplying low reflectance and high emissivity in a variety of applications.

AST and N-Science envisioned a way to improve and modernize the black surface process to make it more accessible and affordable. This is accomplished in a number of ways, including:

- Providing a dedicated DSB line within AST.
- Consolidating processes and procedures to make production convenient.
- Educating customers and providing guidance on all aspects of the DSB family of products.

### **The DSB family of products includes:**

- **DEEP SPACE BLACK - VIS:** for performance in the visible wavelength regime.
- **DEEP SPACE BLACK - Full Spectrum Basic:** for performance over the largest wavelength regime possible.
- **DEEP SPACE BLACK - Full Spectrum Enhanced:** DSB-FSE is a special variant providing a more robust finish, but containing the same outstanding optical characteristics of FSB.

The partnership between AST and N-Science is a perfect match. N-Science is heavily involved in the development of scientific instruments and components. AST is expert in surface treatment technologies. Contact us for assistance with your next project.

To learn more about Deep Space Black, contact

***N-Science Corp***

***N-Sci/AST Optical Surfaces Group***

***[www.nscicorp.com](http://www.nscicorp.com)***

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