



Linden Photonics Inc.
Optical μ packaging

Subject: Linden Photonics awarded a Phase II SBIR contract to develop Fiber Optic Cleaner for Aerospace Connector Maintenance

Connector Cleanliness Problems in the Field

Connectors, such as the MIL-STD-38999 style, have been modified to accept termini containing optical fiber. The core of the fiber where the light is carried is on the order of 10-100 microns, and dust particles are of similar size. Consequently, dust and grime have the potential for blocking the light used to carry information. There are many approaches in use today for fiber optic connector cleaning. However, each suffers from its own limitations.

Linden's Solution

Linden Photonics has been funded to develop a proprietary new material that will be used to clean connector endfaces. This material will be versatile enough to be used as a drop-in replacement for currently used swabs, or as a tape for tape reel type cleaners. The target speed to clean each termini is 1 to 5 seconds and cleaning efficacy is 99%.

Partners

Linden will be partnering with various local suppliers, Universities and world renowned fiber optics companies to complete this effort.

For more information please contact Stephen O'Riorden, Director of Business Development at so@lindenphotonics.com or 978-392-7985.