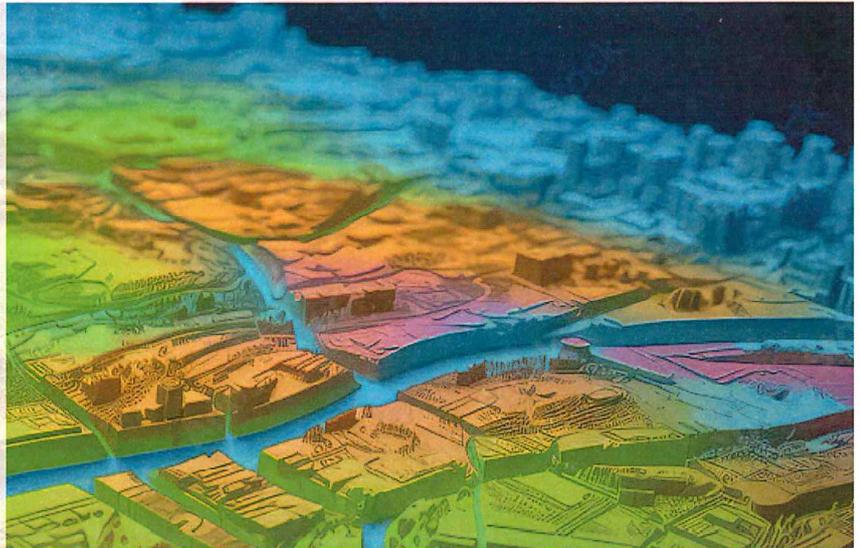




AIRTRAC[®] LIDAR



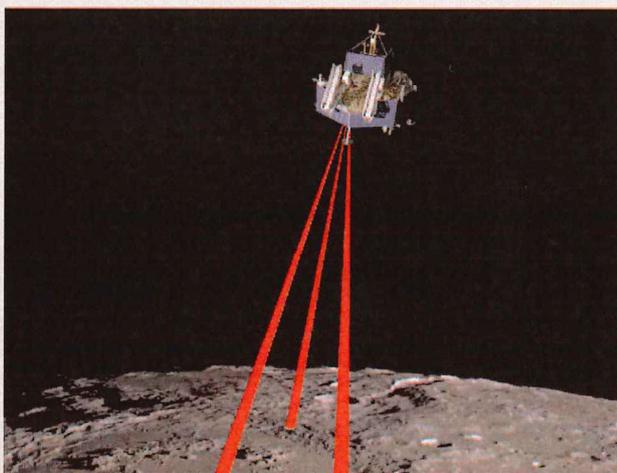
Introducing AIRTRAC low SWaP Lasers specifically designed for Lidar Applications: Revolutionizing Imaging Lidar Applications! Experience the future of compact efficiency and high-performance imaging with our state-of-the-art SWaP (Size, Weight, and Power) optimized AIRTRAC lasers. Engineered for excellence, these lasers redefine the landscape of Lidar technology, providing unparalleled precision and reliability in a compact form factor.



AIRTRAC-SP

The AIRTRAC-SP is a 1064 nm short pulse laser with compact, athermalized design to fit in small packages. Arété's AIRTRAC-SP is a ruggedized laser with >70 mJ pulse energy. It is a very compact, lightweight and low power configuration. The athermal design provides high laser pulse energy over the full MIL-SPEC temperature range with a full system weighing less than 400 grams.

Wavelength	Weight (w/ Electronics)	Energy	Pulse Width	Average Power Draw
1064 nm	400 g	>70 mJ	5 ns	<36 W



Key Features

- Compact efficient athermal laser
- Patented technology for increased efficiency and long life performance
- High energy
- Flash LIDAR Capability
- No significant warm-up time
- Reduced heat-load
- Capable of continuous operation
- Shock and vibration hardened
- Fully sealed laser cavity
- Customer-specific divergence for Flash LIDAR field of view



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