

Teledyne Optech Announces the New ALTM™ Galaxy T1000 with Dramatic Operating Cost Reduction and Performance Increases

February 9, 2017 — [Teledyne Optech](http://www.teledyneoptech.com) is pleased to announce the latest addition to its innovative line of airborne laser terrain mappers, the [ALTM™ Galaxy T1000](#). This new system combines a 1000-kHz effective ground measurement rate with Optech's [award-winning SwathTRAK™ technology](#) to create the most compact, most efficient, and most versatile lidar sensor available today.

“Cost reduction is the key driver for leadership in competitiveness in today’s geospatial data acquisition market,” says Michael Sitar, Teledyne Optech’s Airborne Business Manager. “The new Galaxy T1000 offers unparalleled collection cost savings, particularly in variable terrain, while maintaining all the advantages of independent range measurement and the highest data precision and accuracy from high altitude achievable today. We are excited to offer the most advanced survey instrument at a far superior price/performance ratio and in the most compact package for utmost installation flexibility.”

Core to the Galaxy T1000’s enhanced collection efficiency is a doubling of the laser pulse repetition frequency and a further increase to its variable-terrain capability with SwathTRAK technology, which reduces the number of flightlines by up to 70% over traditional fixed-FOV sensors. SwathTRAK leverages the Galaxy’s programmable scanner by dynamically adjusting the scan FOV in real time during data acquisition, enabling constant-width data swaths and constant point density even in highly variable terrain. The result is far fewer flightlines to collect and process, and a consistent point distribution whether on hill peaks or valley bottoms — in fact, the steeper the terrain, the greater the cost savings!

The new Galaxy T1000 also includes PulseTRAK™ technology which enables a truly continuous operating envelope — no more data gaps and density variations in the multipulse transition zones! This lets surveyors employ very high laser pulse repetition frequencies to generate high point-density data at high altitude and in variable terrain without the need for complex flight planning. Full 100% point density is maintained across the multipulse transition zones for true data integrity without data interpolation.

Whether you operate on flat terrain, in the steepest mountains, or anywhere in between, our award-winning Galaxy offers you the highest data quality and a constant point density at the lowest cost and in the smallest package — guaranteed!

Find out more at www.teledyneoptech.com.

About Teledyne Optech

Teledyne Optech is the world leader in high-accuracy lidar 3D survey systems, integrated cameras, and productivity-enhancing workflows. With operations and staff worldwide, Teledyne Optech offers both standalone and fully integrated lidar and camera solutions for airborne mapping, airborne lidar bathymetry, mobile mapping, terrestrial laser scanning, mine cavity monitoring, and industrial process control, as well as space-proven sensors. Teledyne Optech supports its clients with an around-the-clock team, on-site service, and regular efficiency enhancements to the workflow of its integrated systems. Accuracy and productivity matter!

For further information, please contact your Regional Sales Manager or:

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