

Teledyne Optech announces the new ALTM™ Galaxy PRIME: Higher point density, increased range performance and superior cost reduction!

February 5, 2018 — Teledyne Optech is pleased to announce the latest addition to its innovative line of airborne laser terrain mappers, the [ALTM™ Galaxy PRIME](#).

The new Galaxy PRIME builds on the advanced and unique PulseTRAK™ and SwathTRAK™ productivity features of the current [Galaxy T1000](#) sensor platform by adding extended range performance for even greater collection efficiency, improved vegetation penetration, and increased low-reflectance target detection. An innovative “night mode” increases range performance further still, and an expanded range of motion for the dynamic FOV used by SwathTRAK™ ensures that the Galaxy PRIME is quite simply the most versatile, highest-performing, and most productive sensor on the market, no matter the type of terrain you survey. Coupled with its compact form factor, the Galaxy PRIME offers maximum application and platform flexibility.

The new Galaxy PRIME with PulseTRAK™ technology delivers a truly continuous operating envelope — no more data gaps and density variations in multipulse transition zones. This lets surveyors use very high laser pulse repetition frequencies to generate data with high point density, even at high altitude and in variable terrain, without complex flight planning. Full 100% point density is maintained across the multipulse transition zones for true data integrity, without having to create artificial filler points through interpolation.

Core to Galaxy PRIME is a significant increase in range performance — as much as 30%! — over the Galaxy T1000, as well as improvements to Teledyne Optech’s patent-pending SwathTRAK technology. SwathTRAK dynamically adjusts the Galaxy’s scan FOV in real time during data acquisition, enabling constant-width data swaths and constant point density, even in highly variable terrain — effectively enabling you to survey steep mountains as if they were flat! 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 project cost savings.

“Operating cost reduction continues to be a key driver in today’s geospatial data acquisition market,” says Michael Sitar, Teledyne Optech’s Airborne Business Manager. “The Galaxy PRIME raises productivity to an all-new level with select improvements to maximize efficiency and collection confidence even further. Of particular note is our ability to leverage the Galaxy’s extensible sensor platform to enable a cost-effective, direct upgrade path to all our current Galaxy T500 and T1000 owners, thus ensuring their continued competitiveness and success in the market.”

Whether you operate on flat terrain, in the steepest mountains, or anywhere in between, the award-winning Galaxy offers you the highest data quality and constant point density at the lowest cost and in the smallest package — guaranteed! Teledyne Optech is taking orders for delivery in early Q2, 2018.

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!

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