

## Teledyne Optech's next-generation CMS V500 Cavity Monitoring System released

**May 4, 2015** — [Teledyne Optech](http://www.optech.com) is pleased to announce the [CMS V500](#), a complete redesign of its highly popular Cavity Monitoring System that introduces a live video feed, cable-free operation, and other critical new features that improve safety and efficiency in underground mining.

With hundreds of units sold, the Optech CMS has been the ideal scanning solution for dangerous and inaccessible cavities in underground mining operations for years, improving safety by letting operators stand clear as the sensor head surveys. The accurate 3D data collected by the CMS improves mine operation efficiency by providing accurate insight into the mine's actual structure and the results of blasting, and increases mine profitability by verifying actual cavity size and orientation. The system is easy to transport, set up and operate, enabling the user to define laser scan parameters.

With the CMS V500, Teledyne Optech has completely redesigned this tool to offer brand-new features and a robust, reliable, all-in-one system. A new camera integrated in the sensor head lets operators measure and visually inspect ore passes and shafts simultaneously to improve maintenance as well as safety. The CMS V500 sensor head also contains an internal battery for improved ruggedness and true cable-free operation with the new wireless controller. Even with these additions, the CMS sensor head is more compact and flexible than before, with a reduced insertion profile and improved scan parameters. The new operator interface software includes an automatic resection routine, and real-time video/lidar data streaming to help the operator verify successful data collection and geo-referencing in the field.



*CMS V500 maximizes reliability with wireless operation and an in-sensor battery*

"Our goal with this next-generation CMS development was to improve on the already popular CMS product by adding functionality to provide visual inspection capability and an efficient workflow, in addition to enhancing the qualities that users have come to rely on over the years," said Dave Adams, Teledyne Optech's Product Manager for Static 3D Mapping Systems.

"With the camera and battery integrated in the sensor head, the CMS V500 now incorporates two key features that all our customers have been asking for to help them better understand and improve their underground operations," said Wayne Szameitat, Teledyne Optech's International Sales Manager. "The new video inspection feature lets the CMS improve mine safety even further and enables it to be used for other underground mapping and inspection applications."

Find out more about the Optech CMS V500 at [www.optech.com](http://www.optech.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 systems are also fully warrantied, with extended warranty packages offered by Optech Technical Solutions. Accuracy and productivity matter!

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

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