



New Hyperspec™ Extended VNIR Sensor Ideal For Process Manufacturing With Extended Spectral Range

Hyperspec™ Extended VNIR covers broad spectral range of 600nm to 1600nm

Fitchburg, MA; February 20, 2009 – Headwall Photonics, a leading supplier of high performance integrated spectrometer systems for spectral imaging and chemical sensing applications, announced the availability of the Hyperspec™ Extended VNIR sensor, the industry's only hyperspectral imaging instrument covering the broad spectral region of 600 to 1600 nanometers.

Headwall has continually expanded the capabilities of the performance-leading Hyperspec™ family of hyperspectral imagers. Based on Headwall's patented, aberration-corrected concentric design, Hyperspec™ offers exceptional spectral imaging and spatial uniformity within a wide field of view.



"Headwall's customers are deploying our hyperspectral sensors in process environments such as semiconductor manufacturing and require innovative spectral imaging solutions that cover new and challenging spectral regions. Headwall is uniquely positioned in that we design and manufacture the high efficiency diffractive optics which are the strategic element of our reflective imaging spectrometer designs" said David Bannon, Headwall's Chief Executive Officer. Headwall's ability to manufacture application-specific sensors for spectral regions of interest affords our customers with well-differentiated capabilities".

Providing industry-leading spectral and spatial resolution, the Hyperspec™ platform offers sensors optimized for the following spectral regions:

- | | |
|---------------------------|-------------------------|
| • UV-Visible | 330 to 825 nanometers |
| • Visible | 380 to 780 nanometers |
| • Visible – Near Infrared | 400 to 1000 nanometers |
| • Extended VNIR | 600 to 1600 nanometers |
| • Near Infrared | 900 to 1700 nanometers |
| • Short Wave Infrared | 1000 to 2500 nanometers |

In addition, Headwall offers broad hyperspectral capabilities for military and defense applications that include very high efficiency, diamond-turned optics and very small imaging sensors (the Micro-Hyperspec™ product line) for deployment on small unmanned aerial vehicles (UAVs) and unmanned ground vehicles.

About Headwall Photonics

Headwall Photonics is the leading designer and manufacturer of imaging spectrometers and spectral instrumentation for industrial, commercial, and government markets. Headwall's high performance spectrometers, spectral engines, and holographic diffraction gratings have been selected by OEM and end-user customers around the world for use in critical application environments. As a pioneer in the development of innovative spectrographs and imaging spectrometers based on optical technologies, Headwall enjoys a market leadership position through the design and manufacture of patented spectral instrumentation that is customized for application-specific performance. Headwall Photonics was formed in 2003 as the result of a management buy-out from Agilent Technologies.

For information contact:

Headwall Photonics, Inc.

978/353-4100

www.headwallphotonics.com

Information@headwallphotonics.com