

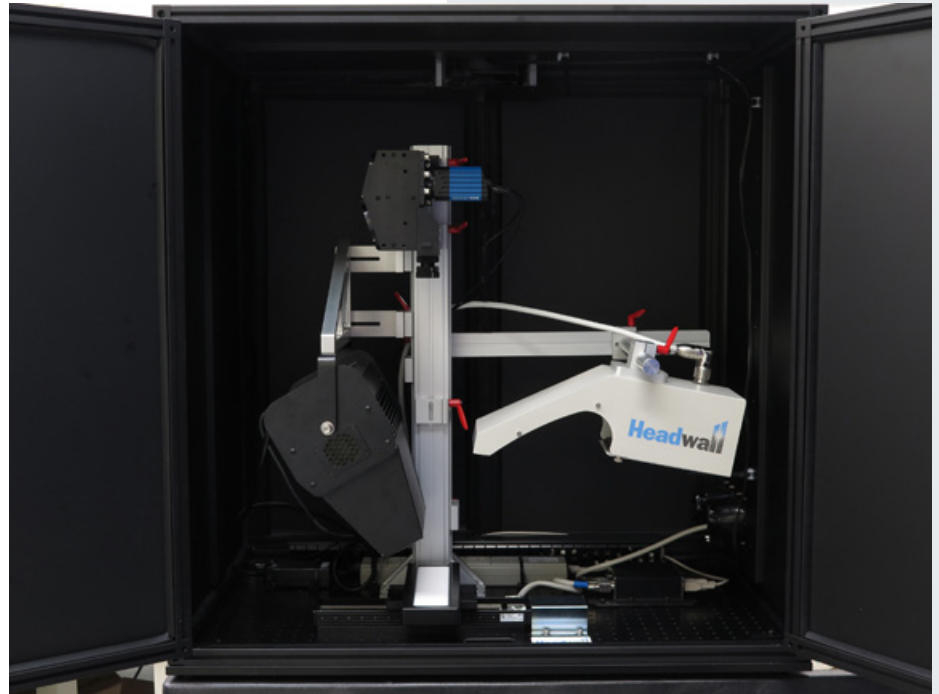
The Starter Kit provides everything needed for high performance imaging and sample scanning and can be used with Headwall's Hyperspec® UV-VIS (250-500nm) hyperspectral imager (sold separately, with 28mm foreoptic lens). The kit includes both pulsed Xenon and QTH illumination, full software control, a moving web, and gantry.

The Starter Kits can be deployed almost anywhere hyperspectral imaging is needed - in the field or in the laboratory. Headwall's fully reflective, patented UV-VIS spectrometer design eliminates image aberrations while offering high resolution with a wide field of view. This represents a major advantage in the UV-VIS range where spectral and spatial imaging performance is a critical success factor.

High Quantum-Efficiency (QE) detection electronics means high signal-to-noise characteristics which maximizes UV sensitivity and dynamic range. Stable lighting for sample illumination is provided by remote-controlled Pulsed Xenon UV and QTH light sources that can operate up to 9,600 pulses per minute. This light source also includes two interchangeable filter windows: one isolates a 100nm illumination band centered at 360nm while the other isolates a 50nm illumination band at 275nm.

The optional Hyperspectral Data Processing Unit (HDPU) contains a high-speed CPU to deliver extremely fast capture, transfer and processing of the hyperspectral image data. The HDPU also comes with Headwall's Hyperspec® III image-analysis and display software that allows the user to export the data in industry-standard file formats.

## Application-Specific Solutions For Critical Environments

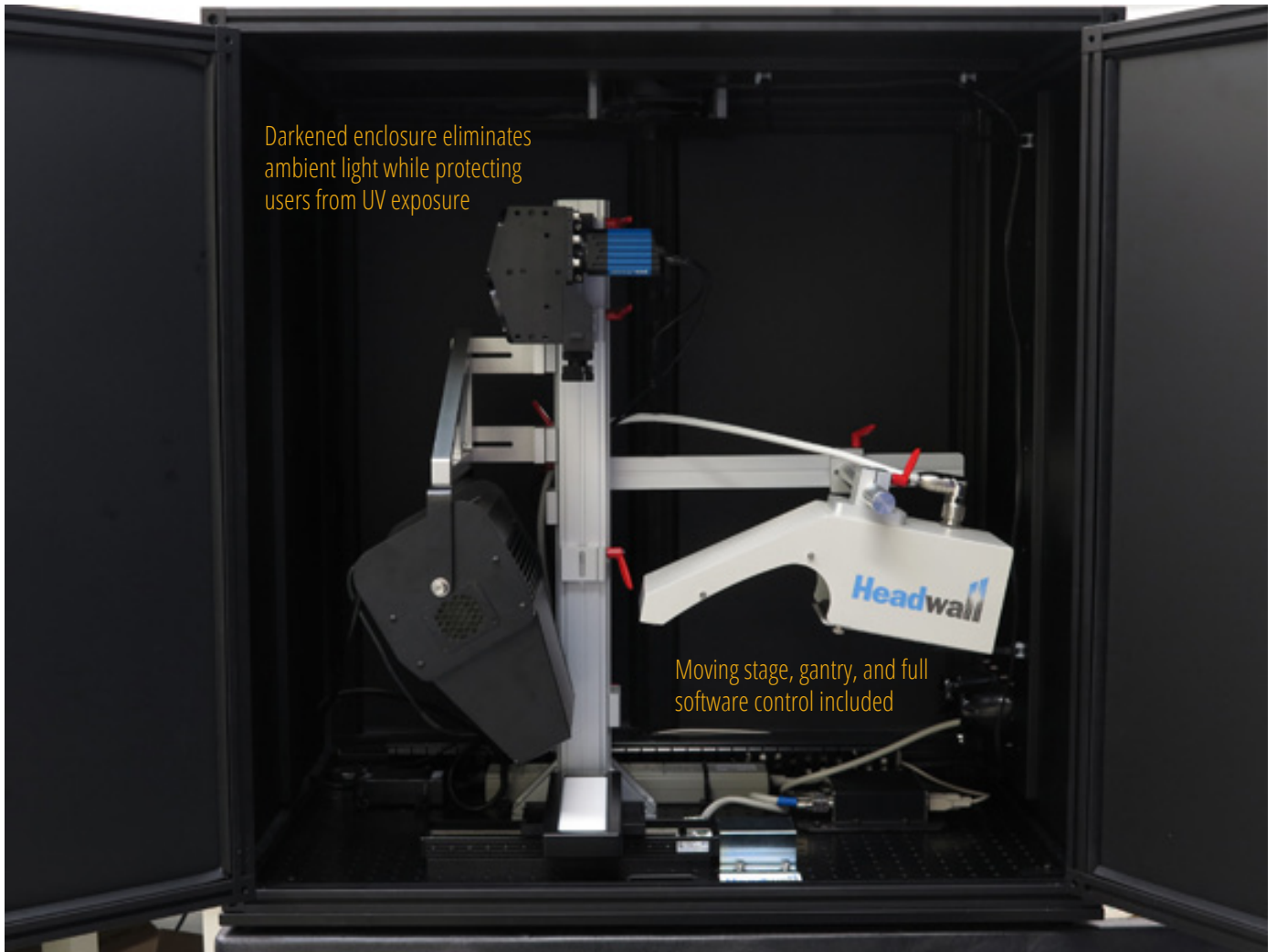


### Key Benefits:

- Scan sample materials & display hyperspectral results
- Determine spectral band differentiators
- Increased user productivity
- Cost-effective deployment
- Simple to set up, simple to use
- Flexibility to quickly modify configurations
- Development of spectral libraries

### Key Features:

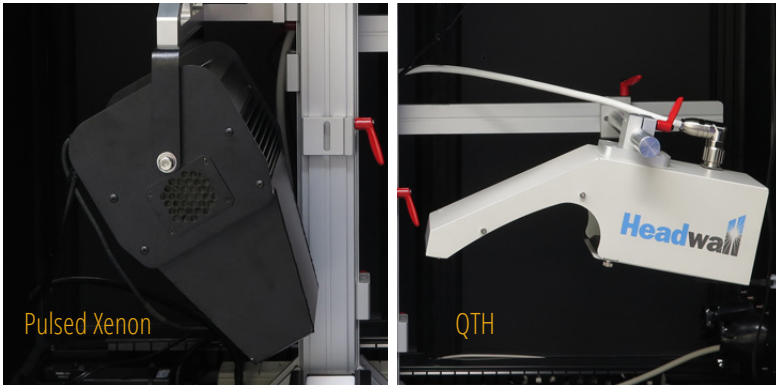
- Adjustable Hyperspec® mounting stage and gantry includes base plate, tower, protective packaging enclosure, and sensor mounting hardware
- Protective eyewear
- Precision DC Servo linear stage and controller with 250mm travel distance
- Lighting includes adjustable light line and light guide, 50mm wide standard/200mm optional
- Hyperspec® software manages hyperspectral data



Darkened enclosure eliminates ambient light while protecting users from UV exposure

Moving stage, gantry, and full software control included

### Illumination



Pulsed Xenon

QTH

*Power-stabilized Pulsed Xenon UV and Quartz Tungsten Hologen (QTH) light sources.*

### Hyperspec® UV-VIS

*Headwall's Hyperspec® UV-VIS covers the 250-500nm spectral range*



*sensor and lens sold separately*

**About Headwall Photonics:** Headwall 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 advanced, patented optics technology, Headwall enjoys a market-leading position through the design and manufacture of spectral instrumentation that is customized for application-specific performance.

Information in this document is subject to change without notice. Headwall Photonics, Inc. reserves the right to change or improve its products and specifications and to make changes in content without obligation to notify any person or organization of such changes or improvements. The Hyperspec® name (and all its derivations) is a registered Trademark of Headwall Photonics, Inc. \*US and/or EU Export Restrictions may apply to this Dual Use Product.

