

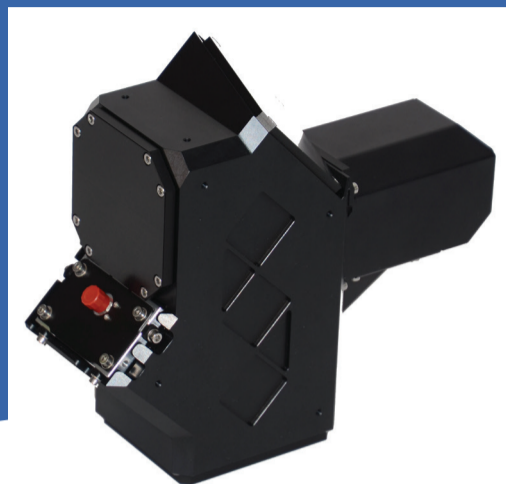


SPECTRAL
INDUSTRIES



先锋科技
Titan Electro-Optics Co.,LTD.

High-tech company committed to deliver state-of-the-art spectroscopy systems. SPECTRAL has developed a very sensitive and robust IRIS spectrometer. It was inspired by R&D for the ExoMars mission to planet Mars. The unique technology can be used under a wide range of conditions with proven world-class S/N-ratio without cooling. It is ready for any application: lab, field or factory.



IRIS ECHELLE SPECTROMETER

High bandwidth (180 - 800 nm)+ high resolution (0.1 - 0.45 nm)

Custom **CMOS detector**: 20 fps, integration time 28 μ s and up

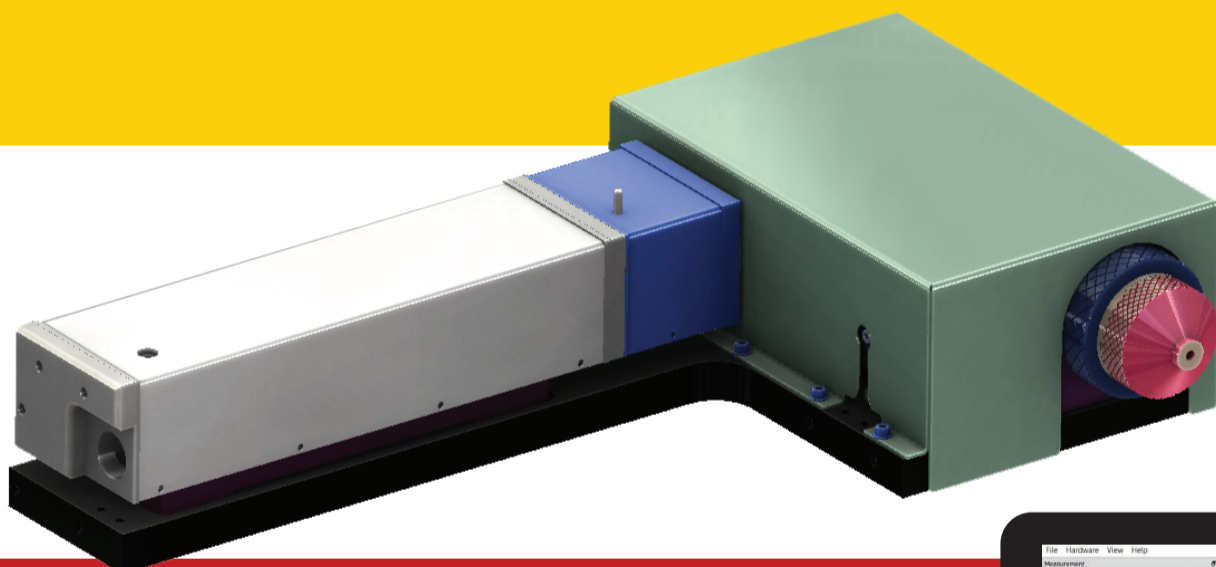
Robust & compact design: thermal stability < 5 pm/K.

Fully automated calibration **software** available

High throughput: efficient f/2 optics

Flexibility for OEM customization

Gating jitter < 10 ns rms



TRANSPORTABLE LIBS SYSTEM

- ⊗ **IRIS** UV spectrometer
- ⊗ Pulse laser (adjustable pulse energy)
- ⊗ Pulse delay generator for gated LIBS
- ⊗ Laser focusing and light collection
- Optical Head** (purgeable)
- ⊗ Option: automated 3-axis translation stages for sample scanning
- ⊗ Software for operation and analysis



Contact SPECTRAL:
www.spectralindustries.com

Contact TEO:
www.teo.com.cn