

The Applied Spectral Knowledge Company

Sensing Solutions for a Healthier, Safer, Cleaner World

Ocean Optics is the Applied Spectral Knowledge company. For more than 25 years we have discovered, refined and delivered new approaches to solving problems with optical sensing technologies. We ask the “what-if” questions that help scientists, researchers and developers harness the power of light in exciting, creative and life-changing ways.

Ocean: RESEARCH

We partner with leading innovators to take on the world's biggest challenges using flexible instrumentation and an unflinching commitment to experimentation and discovery.



What if ...

... we could inspire the next generation of science and technology leaders?



What if ...

... new approaches to farming could feed future populations sustainably?



What if ...

... better insight into materials could fuel advances in renewable energy?



US +1 727-733-2447 • **EUROPE** +31 26-3190500 • **ASIA** +86 21-6295-6600
info@oceanoptics.com • www.oceanoptics.com

Ocean: SOLUTIONS

From grassroots entrepreneurs to Fortune 500 technology leaders, Ocean Optics partners with business innovators to deliver solutions that unlock the unknown. Here are three examples:



Instrumentation Maker Seeks Tools for Novel Particle Analyzer

Our solution: Customized spectral assembly integrated into a lab instrument + expertise in applications, optics, software and testing =

Powerful new particle analyzer for pharmaceuticals QC



Machinery Supplier Targets Faster Fruit Sorting and Grading

Our solution: Spectral system that “sees” inside dates to determine moisture level + machine learning to predict quality =

Automated system that improves date quality and streamlines sorting processes



Design Firm Utilizes Faster, Easier Lighting Assessment for Clients

Solution: Simple, smartphone-based tool to characterize light in office environments + software to quickly calculate key lighting metrics =

Handheld device for time-saving QA of human-centric lighting in built environments

Ocean: AT A GLANCE

Ocean Optics offers robust, scalable optical sensing tools, complemented by deep application knowledge, design and manufacturing expertise, and a global support and service network.

TECHNOLOGIES

- Spectrometers, multispectral cameras and sensors
- Software and advanced analytics (algorithm development, chemometrics, machine learning)
- Digital tools (cloud deployment)

CAPABILITIES

- Design partnership from concept to solution
- Global, ISO-certified manufacturing operations
- Applied spectral knowledge – multi-discipline, in-house expertise across thousands of applications

APPLICATION AREAS

Biomedical • Education • Environmental
Food & Agriculture • Industrial
Lighting & Illumination • Safety & Security

SERVICE & SUPPORT

- Application Services
- Calibration Services
- Lab Services (consultation, feasibility, insight)
- Global Sales & Support (USA, Europe & China)