

NEW WHITEPAPER FOR SPECTROLIGHT'S TUNABLE LASER SYSTEM

Revolutionizing Semiconductor Inspection: Spectrolight's Tunable Laser System (TLS) Enables Unprecedented Precision in Wavelength and Bandwidth Control

Experimental Method

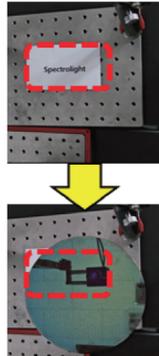
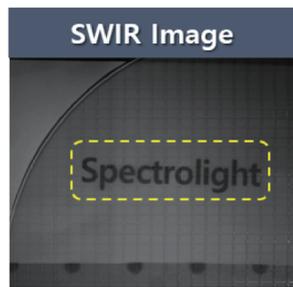
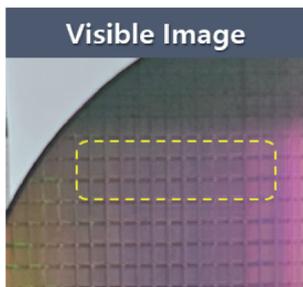


Image data



The Spectrolight TLS: Unparalleled Precision and Control

Spectrolight TLS is the only laser system providing continuous, precise control of wavelength and bandwidth. The wavelength range ranges from 410nm in the Visible to 1700nm in the SWIR in 1 nm increments. This unparalleled control capability allows the detection of even the smallest defects on semi-conductor wafers. By precisely tuning the wavelength and bandwidth to match the specific absorption characteristics of the defect, TLS enables highly sensitive and accurate inspection. This feature is very important to identify and characterize. It ensures the production of high-quality semiconductor devices by removing defects such as scratches, particles, and contamination.

For full paper - https://www.spectrolightinc.com/board/detail/1/?board_id=327

Spectrolight's Poly : Now FCC Certified!



We are thrilled to announce that our FWS-Poly has officially received FCC certification! This significant milestone ensures that our product meets the stringent standards set by the Federal Communications Commission, guaranteeing its safety, reliability, and compliance with regulatory requirements.

For full FCC document - https://www.spectrolightinc.com/board/detail/3/?board_id=326

What does FCC certification mean for you?

- **Regulatory Compliance:** The FWS-Poly meets all necessary regulatory requirements set by the FCC.
- **Safety Assurance:** Our products adheres to safety standards, minimizing the risk of harmful interference with other electronic equipment.
- **Market Authorization:** FCC certification is required for the legal sale of electronic and radio frequency devices in the United States, meaning the FWS-Poly is now ready for market.
- **Consumer Confidence:** This certification provides assurance to you that the FWS-Poly is reliable and has been rigorously tested.

Successful exhibition at at ILRC / CLRC 2024! (Landshut, Germany) - GWU



Many thanks to our valued distributor - GWU, for showing our products at the International Laser Radar Conference (ILRC) + Coherent Laser Radar Conference (CLRC)! And thanks to everyone who visited the booth and took interest in our products!

Tunable Light Sources

Fully tunable light sources and laser systems with wide tunable wavelength and bandwidth range

[View details](#)



Tunable Bandpass Filters

Applicable with any broadband light sources, CWL tuning range : 255 - 1700 nm FWHM tuning range : 2 - 15 nm

[View details](#)



Light Sources

A wide variety of powerful broadband light sources including tungsten-halogen/plasma lamps, LEDs and pico-second pulsed supercontinuum lasers

[View details](#)



Brochure Download



Contact us at info@spectrolightinc.com