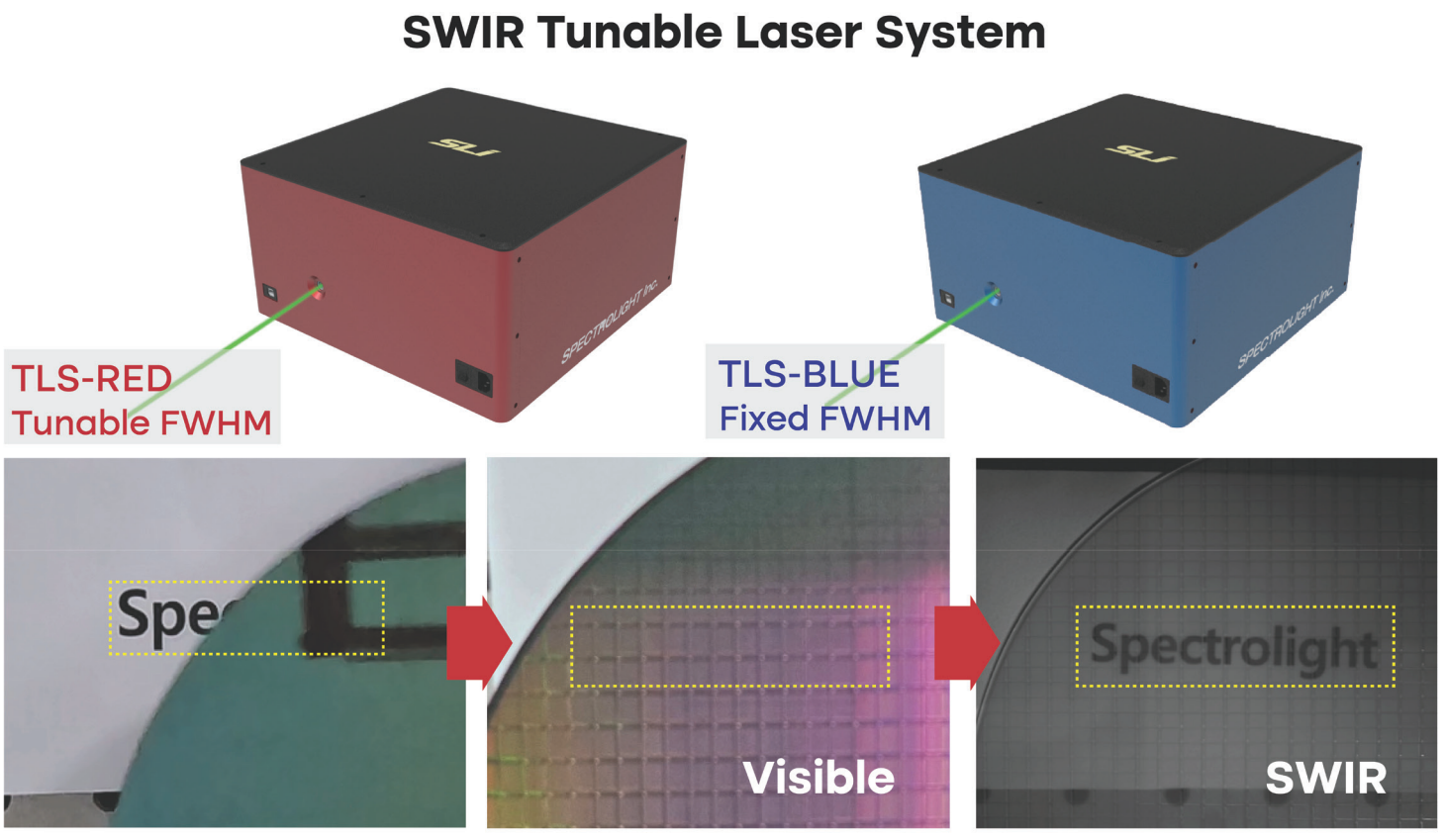
SPECTROLIGHT Inc.

NEWSLETTER

February 2024

Introducing Spectrolight's Cutting-Edge Tunable Laser System with SWIR Range Capabilities



Spectrolight's tunable laser system is designed to extend into the SWIR range (up to 1700 nm) to cover a wide spectral range. This capability offers researchers, engineers, and professionals unparalleled versatility in their analytical tasks.

Utilizing the SWIR spectrum for Si wafer inspection has proven to be an innovative application. By using a tunable laser system to irradiate a SWIR beam through the Si wafer material, previously invisible irregularities were identified, significantly improving defect detection capabilities.

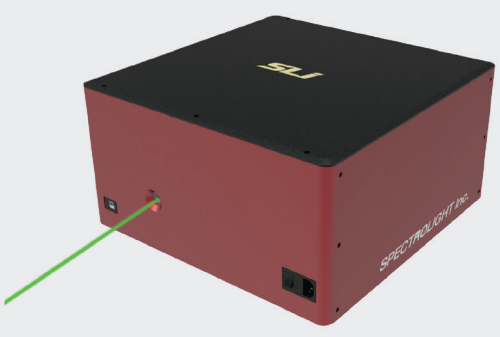
SWIR wavelengths, which only Spectrolight's TLS can produce, enable non-invasive inspection of internal structures through SI wafers. This process allows the identification of defects and anomalies that cannot be detected by the human eye and provides a profound level of insight into material composition and structural integrity.

For more information on the Tunable Laser System (TLS) please contact us at ***support@spectrolightinc.com***

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 - 1650 nm
FWHM tuning range : 3 - 15 nm

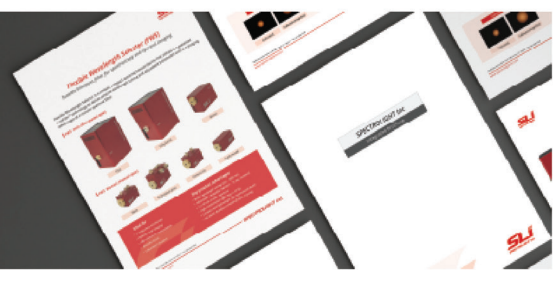
View details

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



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