

Tunable Laser System (TLS)

Fully tunable pico-second pulsed laser system by Spectrolight

The Tunable Laser System is the all in one tunable light source system by Spectrolight Inc. It enables easy and precise selection of a wide spectral wavelength range of 410 - 1650 nm. This PLUG&PLAY system requires no alignments or adjustments allowing instant application.

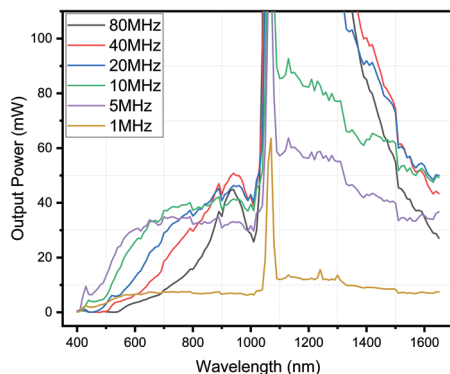


*Tunable Laser System (TLS) components - Supercontinuum Laser (SL-Pico / SL-Pico-M), FWS-Poly, Mounting Base for FWS-Poly, Laptop with User Software, Light Aligner x2, IR Slider and all necessary linker accessories.

Specifications

TLS-Pico

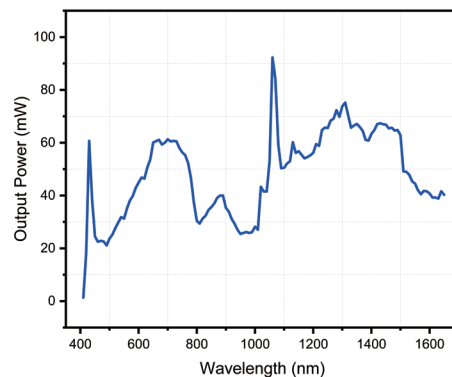
- Total power : > 8 W
- Visible power : > 1 W
- Tunable spectral wavelength : 430 - 1050 nm
(User defined range available up to 1650 nm)
- Tunable FWHM range : 3 - 15 nm (above 880 nm : 5 - 15 nm)
- Fundamental pulse width : < 300 ps
- Internal repetition rate : 10 kHz - 80 MHz adjustable
- Beam diameter and quality : ~ 2 mm@633nm; M2<1.1
- Beam divergence (Half angle) : < 1 mrad
- State of polarization : Unpolarized
- Sync(trigger) output (SMA) : NIM output 0 - 1 V



Output power at FWHM 15 nm (TLS-Pico-B)

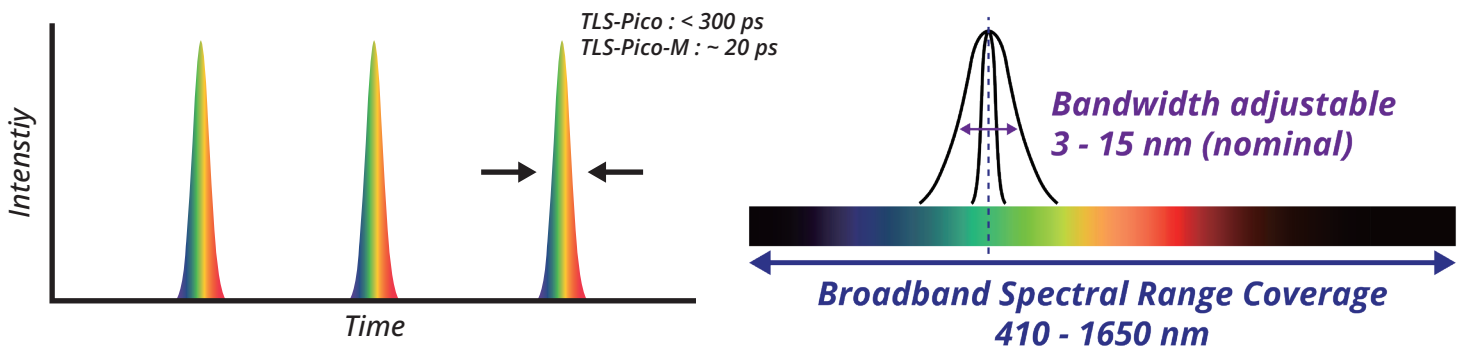
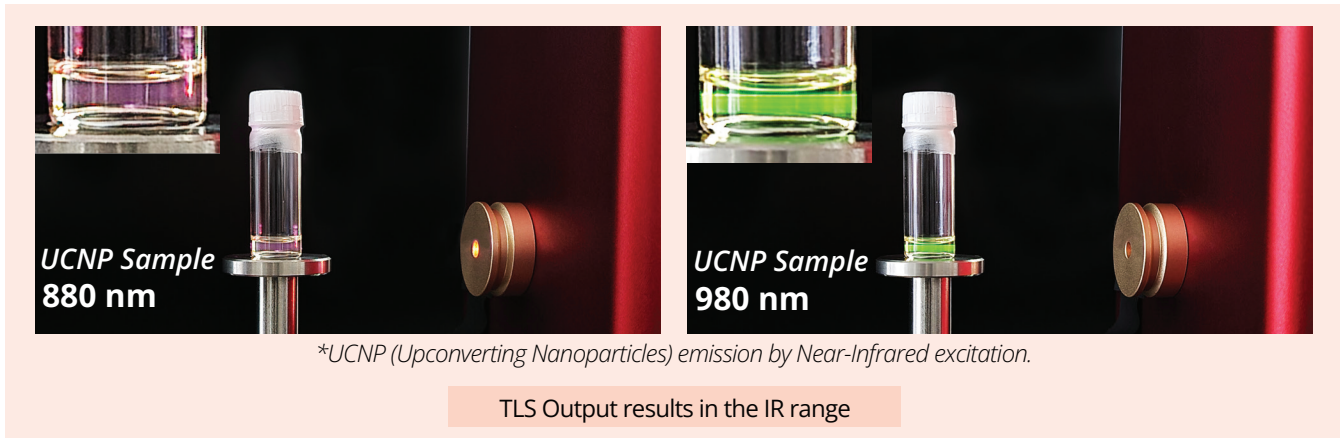
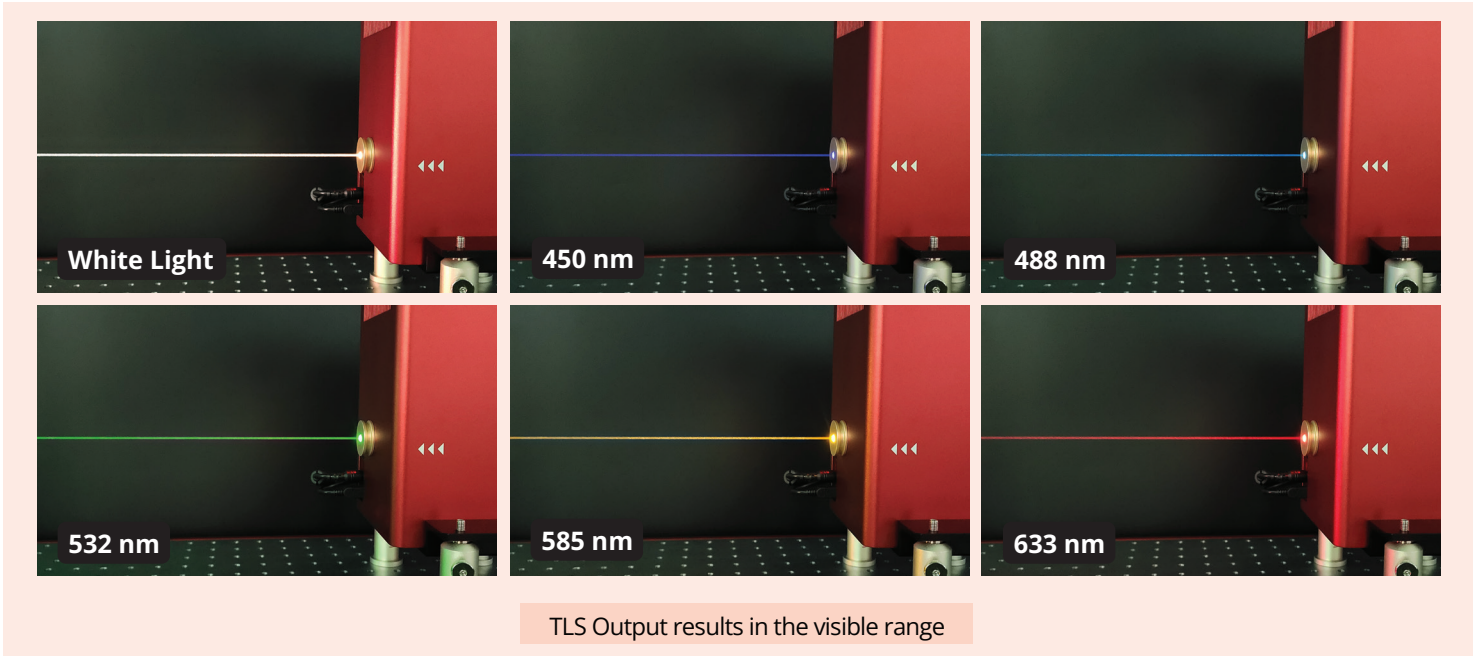
TLS-Pico-M

- Total power : > 7 W
- Visible power : > 2 W
- Tunable spectral wavelength : 410 - 1050 nm
(User defined range available up to 1650 nm)
- Tunable FWHM range : 3 - 15 nm (above 880 nm : 5 - 15 nm)
- Fundamental pulse width : ~ 20 ps
- Internal repetition rate : 80 MHz
- Beam diameter and quality : ~ 2 mm@633nm; M2<1.1
- Beam divergence (Half angle) : < 1 mrad
- State of polarization : Unpolarized
- Sync(trigger) output (SMA) : TTL output 0 - 2.8 V



Output power at FWHM 15 nm (TLS-Pico-M-B)

Features



Tunable pico-second pulsed laser

Wide tunable spectral range