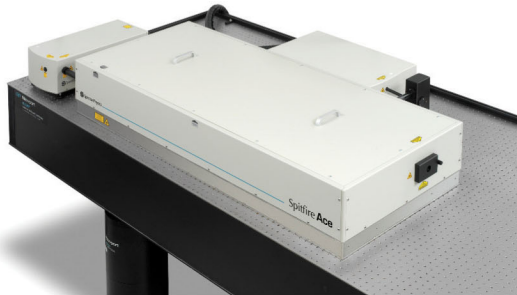


Spectra-Physics. #1 in Ultrafast.

Expertise – Innovation – Results



Spectra-Physics is a leading manufacturer of cutting edge, highly reliable ultrafast lasers and amplifiers that enable breakthroughs in advanced scientific research, biological imaging and fine material processing. We offer a complete portfolio of turn key oscillators, ultrashort pulse seeders, high energy amplifiers as well as optical parametric oscillators (OPO), optical parametric amplifiers (OPA) and harmonic generators. With the largest and most experience global support team in the industry, Spectra-Physics is uniquely positioned to support your ultrafast application needs.

Category	Product Family	Pump	Wavelength Conversion
Ultrafast Oscillators	InSight DeepSee		
	Mai Tai SP		
	Mai Tai DeepSee		
	Mai Tai		Inspire OPO
	Tsunami	Millennia Prime	Inspire Blue
Ultrafast Amplifiers	Spitfire Ace	Millennia eV	
	Solstice One Box Ultrafast Amplifier	Empower	TOPAS Prime
	Spirit High Repetition Rate Ultrafast Amplifier		OPA-800C

Applications

Biological Imaging	Lasers
Multiphoton microscopy, TPE (Two-Photon Excitation)	InSight DeepSee, Mai Tai DeepSee
SHG/THG (Second/Third Harmonic Generation) microscopy	InSight DeepSee, Mai Tai DeepSee
STED (Stimulated Emission Depletion) microscopy	InSight DeepSee, Mai Tai
CARS (Coherent Anti-Stokes Raman Spectroscopy)	InSight DeepSee, Mai Tai, Inspire
Multimodal imaging	InSight DeepSee, Mai Tai DeepSee, Mai Tai, Inspire
Optical coherence tomography	Mai Tai SP

High Energy Physics	Lasers
Free electron laser (FEL) seeding	Spitfire Ace, Solstice
Higher harmonic generation (HHG)	Spitfire Ace
Optical Parametric Amplifier pumping	Spitfire Ace, Solstice
Non linear optics	Spitfire Ace

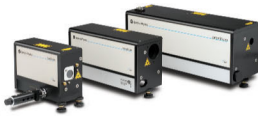
Time Resolved Ultrafast Spectroscopy	Lasers
Fluorescence upconversion	InSight DeepSee, Mai Tai DeepSee
Coherent control	Tsunami, Mai Tai, Spitfire Ace, Solstice, TOPAS Prime, OPA-800C
OPO pumping	Mai Tai, Tsunami
Amplifier seeding	Mai Tai SP, Tsunami
Time resolved photoluminescence	InSight DeepSee, Tsunami, Mai Tai
2D IR spectroscopy	Spitfire Ace, Spirit, Solstice, TOPAS Prime, OPA-800C
THz spectroscopy	Spitfire Ace, Spirit, Solstice, TOPAS Prime, OPA-800C
Transient absorption spectroscopy	Spitfire Ace, Spirit, Solstice, TOPAS Prime, OPA-800C
Stimulated Raman scattering	Spitfire Ace, Spirit, Solstice, TOPAS Prime, OPA-800C
Time resolved CARS spectroscopy	Spitfire Ace, Spirit, Solstice, TOPAS Prime, OPA-800C
Combustion studies	Spitfire Ace, Spirit, Solstice, TOPAS Prime, OPA-800C



Tunable Lasers

Spectra-Physics offers a wide range of tunable lasers for the scientific research and life and health science communities. Whether you need a high power CW tunable ring laser, a high energy pulsed solid-state or dye laser solution, or wavelength tunable ultrafast pulses, we offer a robust line of products that meet even the most stringent requirements. Together with state-of-the-art accessories and diagnostics, these lasers set the industry standard in the most demanding applications.

High Energy Pulsed Tunable Lasers



Scan Series OPOs



Pulsed Dye Lasers



Credo High Rep Rate Dye Lasers

CW Tunable Lasers



Matisse Tunable Ring Lasers



3900S CW Tunable Ti:Sapphire Laser



WaveTrain CW Frequency Doubler

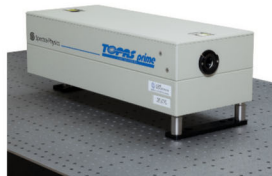


New Focus Tunable Diode Lasers

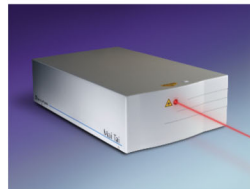
Ultrafast Tunable Lasers



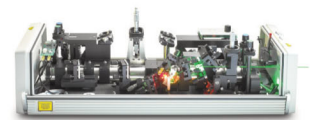
Inspire OPOs



TOPAS OPAs



Mai Tai One Box Ultrafast Lasers



Tsunami Ultrafast Lasers