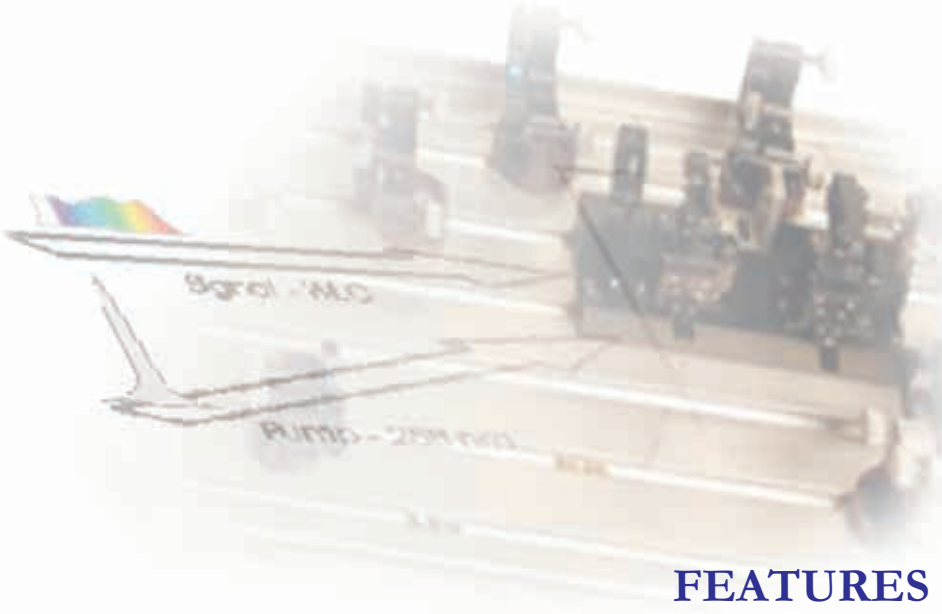
RAINBOW 20F

The white light continuum seeded optical parametric amplifier Rainbow 20F able to generate tunable femtosecond pulses From NIR to NUV



APPLICATIONS

Transient Absorption
Spectroscopy
Photochemistry
Biophysics
Material science

FEATURES

Output wavelengths
240 - 1300 nm
Pulses shorter than 30 fs
Two-stage design
High stability output

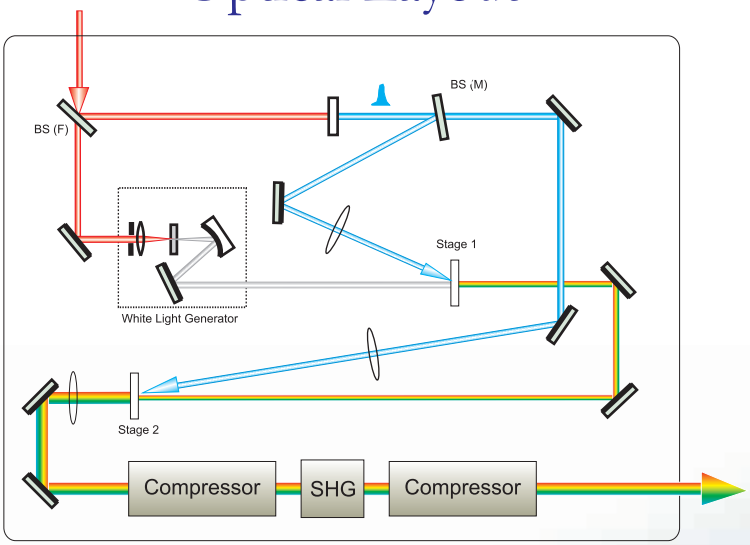
Technical specifications

Rainbow 20F - SH			
Wavelength range:	240 - 350; 425 - 500 nm	480 - 700 nm	850-1300 nm
Energy per pulse:	0.7 to 1.5μJ	7 to 20μJ	3 to 7μJ
Pulsewidth:	40-60fs	~20fs	~50fs
Polarization, signal:	Linear, horizontal		

Rainbow 20F - C		
Wavelength range:	480 - 700 nm	850-1300 nm
Energy per pulse:	7 to 20μJ	3 to 7μJ
Pulsewidth:	~20fs	~50fs
Polarization, signal:	Linear, horizontal	

Input Parameters	
Energy:	~350 μJ
Pulsewidth:	100 - 250 fs
Pump:	5 - 10 mm Near TEM_{00}
Repetition rate:	1-10 kHz
Wavelenght:	770 – 810 nm
Beam height:	110 mm

Optical Layout



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