

WHITE DWARF OPCPA



	<ul style="list-style-type: none"> • Spin dynamics • Superconductivity
	<ul style="list-style-type: none"> • Carrier dynamics of solid materials • Photosynthesis
	<ul style="list-style-type: none"> • Cluster and gasphase dynamics
	<ul style="list-style-type: none"> • Attosecond dynamics in solids and gases
	<ul style="list-style-type: none"> • In vivo brain imaging
	<ul style="list-style-type: none"> • Particle accelerators

Wavelength (nm)	800	1600	2000	3000
Power (W)		5	10	
Pulse (fs)	< 10	< 30	< 100	< 900

The **White Dwarf** OPCPA is our most compact and versatile laser system and satisfies the most discerning scientists in a variety of disciplines.



WHITE DWARF OPCPA

PRODUCT SPECIFICATIONS

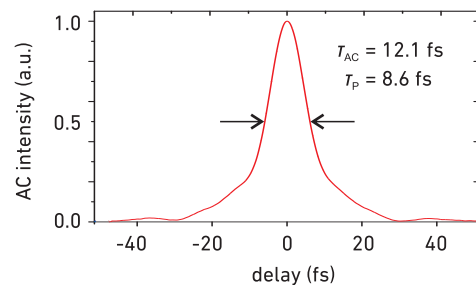
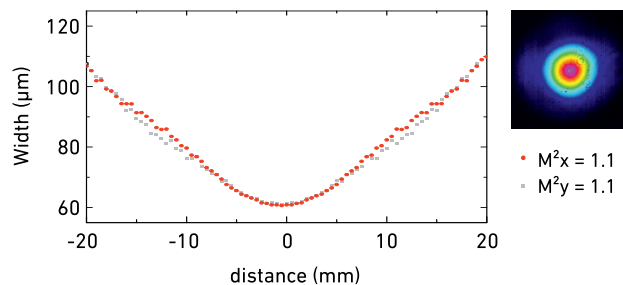
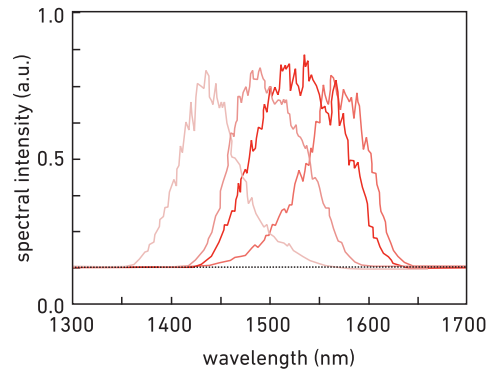
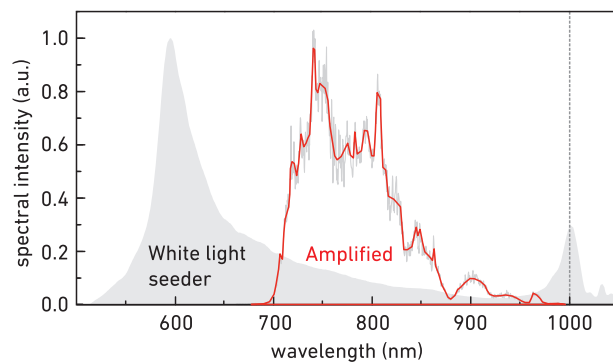
	WD-800	WD-1550	WD-2200	WD-3000
Wavelength range	700 - 950 nm	1400 - 1700 nm	2000 - 2400 nm	2600 - 3500 nm
Pulse duration (FWHM)	< 10 fs	< 50 fs	< 50 fs	< 100 fs
Average power		> 10 W		> 4 W
Pulse energy		> 15 μ J		> 6 μ J
Repetition rate	300 kHz - 5 MHz	300 kHz - 2 MHz		
Beam quality	$M^2 < 1.3$			
Dimensions	1200 x 800 mm ²			
Extended Range	250 - 2000 nm	1400 - 3500 nm	1500 - 2400 nm	1400 - 3500 nm
Product Options	CEP stability, long-pulse, dual output, synchronization, phase-shaper, burst-mode			

HIGHLIGHTS

The **White Dwarf** OPCPA is a femtosecond optical-parametric chirped-pulse amplifier system. It comes as complete system, pumped by an industrial Yb: fiber laser, or as OPCPA-only module, making it a robust, reliable and easy-to-use system. The different wavelength versions covering the near- to mid-infrared range open a wide field of applications. All versions can be combined to dual output pump-probe systems with different pulse properties in pump and probe output and intrinsic synchronization. Product options are available for all systems.

Productivity	██████████
Wavelength Options	██████████
Stability	██████████
Compactness	██████████
Versatility	██████████

PERFORMANCE EXAMPLES



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