WHITE DWARF HE OPCPA

- Spin dynamics
- Superconductivity

- Carrier dynamics of solid materials
- Photosynthesis

- Strong-field physics
- Relativistic plasma physics

- Attosecond dynamics in solids and gases

- Bioparticle imaging
- Nanoparticles and clusters

- Laser user facilities

Wavelength (nm)	800	1600	2000	3000
Power (W)		15	22	
Pulse (fs)	< 10	< 30	< 100	< 900

The White Dwarf HE OPCPA is the high power version of our most popular product. It includes all benefits of a flexible and compact system to bring your research to new levels.

CLASS 5 Photonics

WHITE DWARF HE OPCPA

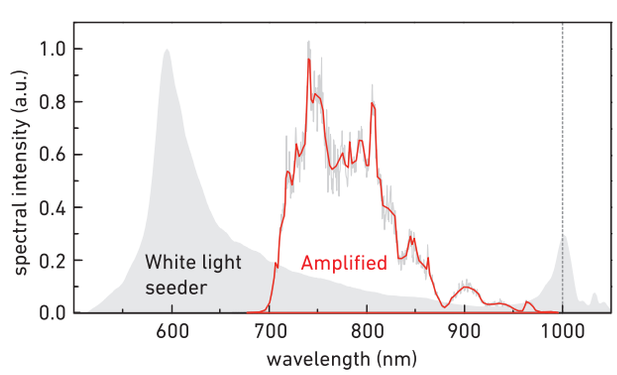
PRODUCT SPECIFICATIONS

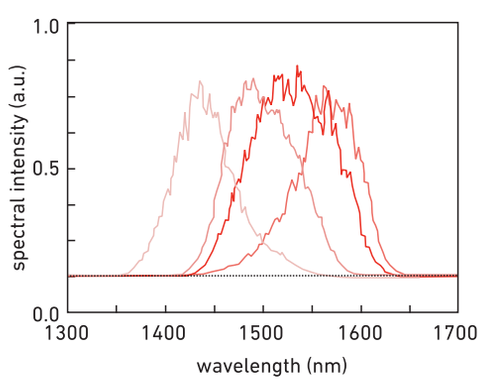
	WD-HE-800	WD-HE-1550	WD-HE-2200	WD-HE-3000
Wavelength range	700 - 950 nm	1400 - 1700 nm	2000 - 2400 nm	3000 - 3200 nm
Pulse duration (FWHM)	< 10 fs	< 50 fs	< 50 fs	< 100 fs
Average power	> 15 W / 22 W			> 7 W / 10 W
Pulse energy	> 150 µJ / 220 µJ			> 70 µJ / 100 µJ
Repetition rate	100 kHz - 2 MHz			
Beam quality	$M^2 < 1.3$			
Dimensions	1520 x 800 mm^2 / 1520 x 1110 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			

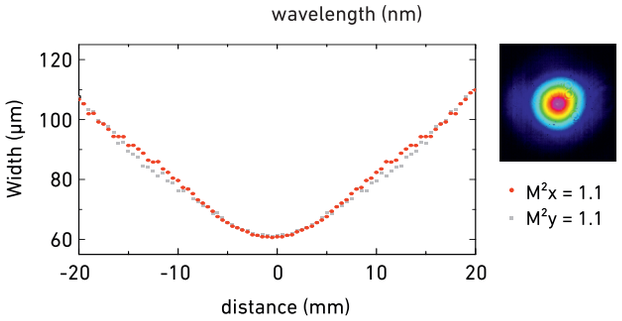
HIGHLIGHTS

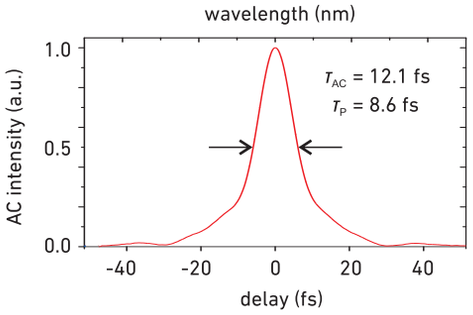
The White Dwarf HE OPCPA is our high power femtosecond optical-parametric chirped-pulse amplifier system. It comes as complete system, pumped by an industrial Yb:YAG InnoSlab laser, or as OPCPA-only module, making it a robust, reliable and easy-to-use system. The different wavelength versions covering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

PERFORMANCE EXAMPLES









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