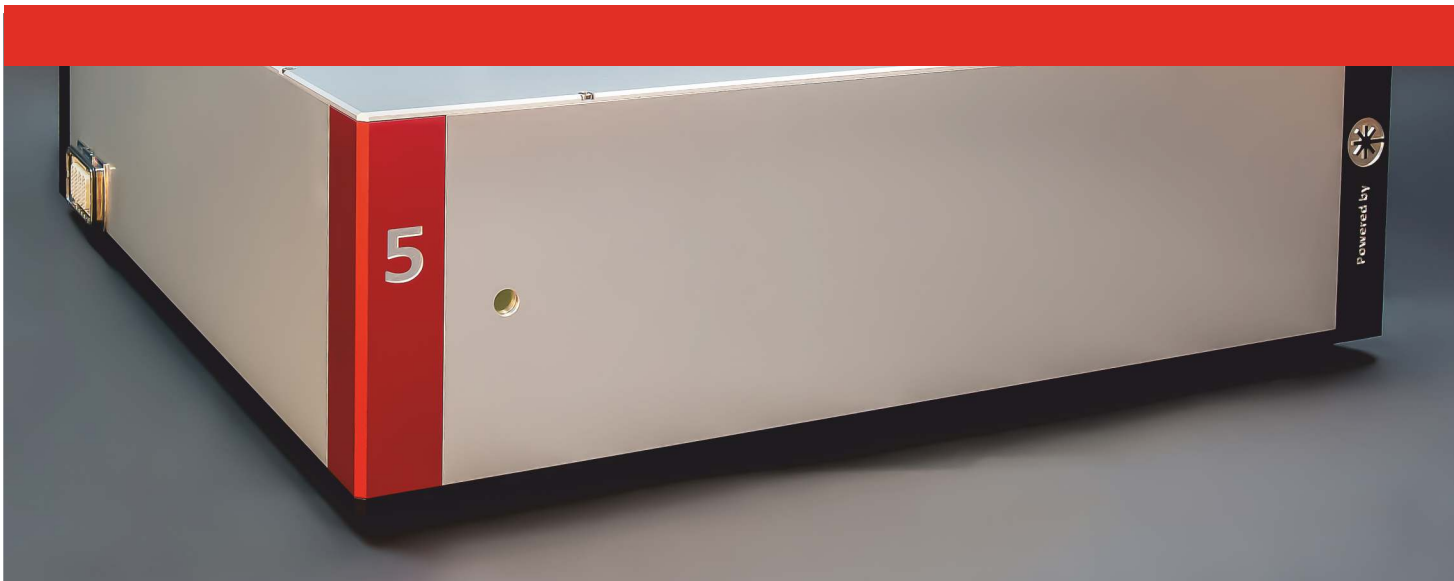


# WHITE DWARF OPCPA | 5 W

powered by Coherent



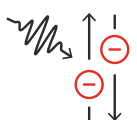
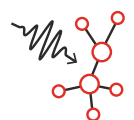
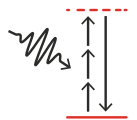
The **White Dwarf** OPCPA powered by Coherent has its pump laser already on board to enter the next level of stability. We integrate the Coherent Monaco industrial femtosecond laser on a small footprint with state-of-the-art optical parametric chirped pulse amplifier (OPCPA) technology to bring industrial performance to scientific output parameters.

## Key features

- high-performance OPCPA system
- pumped by Coherent Monaco 60 W
- output power up to 5 W
- pulse duration < 10 fs
- wavelengths UV to MID-IR
- repetition rate up to 10 MHz

## Applications

- in-vivo brain imaging
- multi-photon microscopy
- time-resolved spectroscopy
- multi-color pump-probe
- ultra-fast material science
- optogenetics



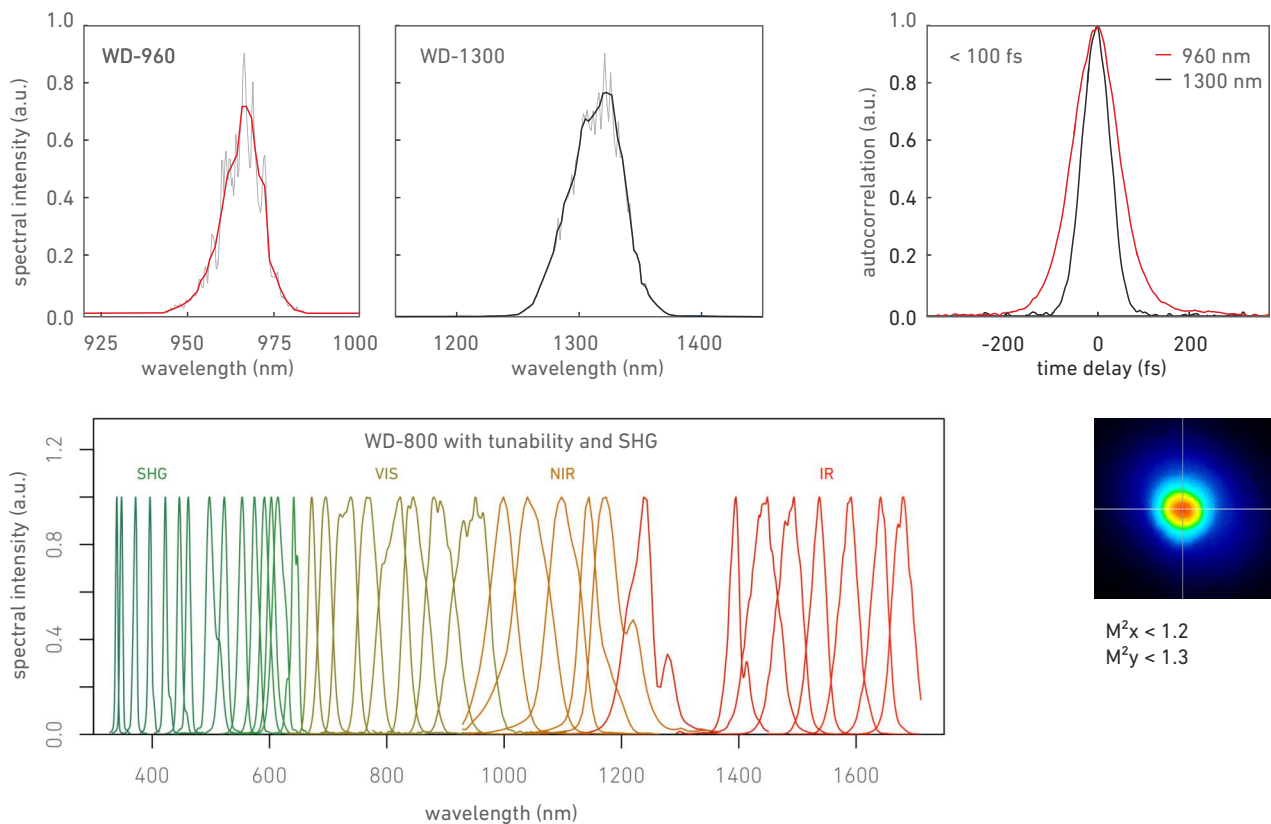
# WHITE DWARF OPCPA | 5 W

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## PRODUCT SPECIFICATIONS

	WD-800	WD-1550	WD-960	WD-1300	WD-1700
Central wavelength	800 nm	1550 nm	960 nm	1300 nm	1700 nm
Tunability optional	700 - 1350 nm	1400 - 1700 nm	on request	on request	on request
Pulse duration (FWHM)	< 10 fs	< 40 fs	< 100 fs		
Average power	> 5 W			> 4 W	
Pulse energy	> 6 $\mu$ J			> 5 $\mu$ J	
Repetition rate	500 kHz - 10 MHz				500 kHz - 2 MHz
Beam quality	$M^2 < 1.3$				
Dimensions	800 x 800 mm <sup>2</sup>				800 x 1200 mm <sup>2</sup>
Optional wavelengths	650 - 2000 nm	1400 - 3500 nm	on request		
Product options	dual output, synchronization, phase-shaper, burst-mode, tunability, SHG, THG and mid-IR extension				

## PERFORMANCE EXAMPLES



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