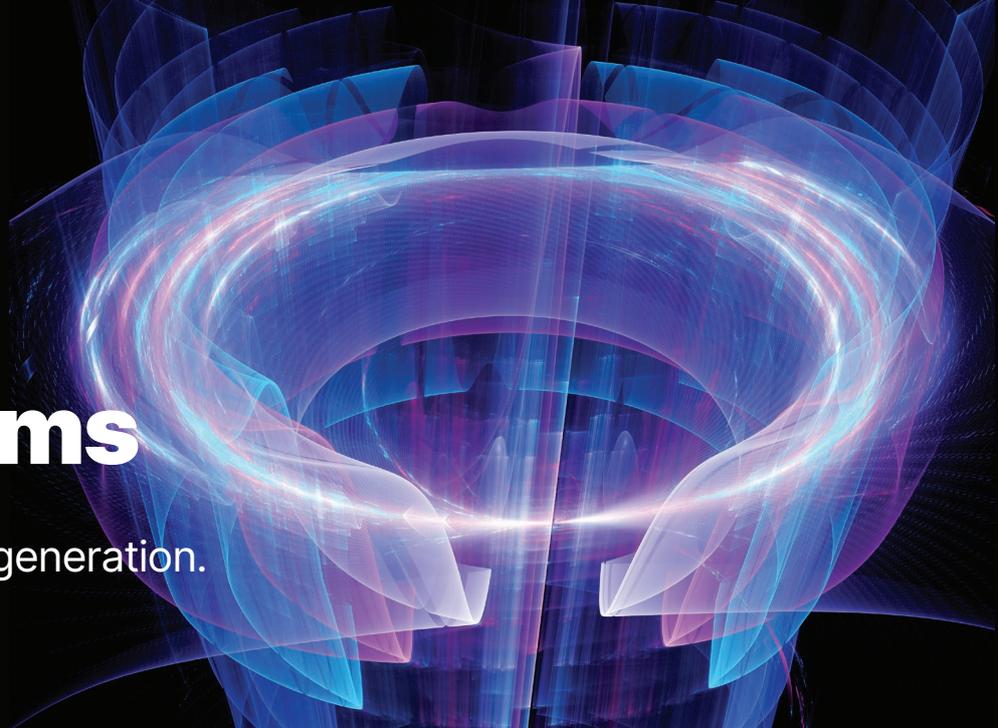


# CLASS 5

# Ultrafast laser systems

for XUV attosecond pulse generation.



## White Dwarf Attodriver

The White Dwarf Attodriver is designed for attosecond science and efficient XUV generation enabled by carrier-envelope phase (CEP) stable few-cycle pulses on a compact footprint.



## Features

**High peak power for attosecond pulse generation**

> 150  $\mu\text{J}$  with 9 fs

**Best CEP stability**

< 150 mrad over 8 hours

**Drive soft-X-ray water window at 2000 nm**

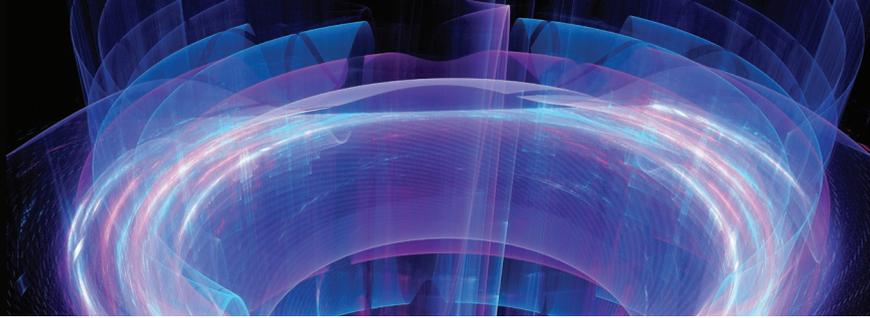
> 300  $\mu\text{J}$  with 25 fs

**Compact design with industrial pump laser**

Full attosecond driver laser on < 1 m<sup>2</sup> footprint

## Applications

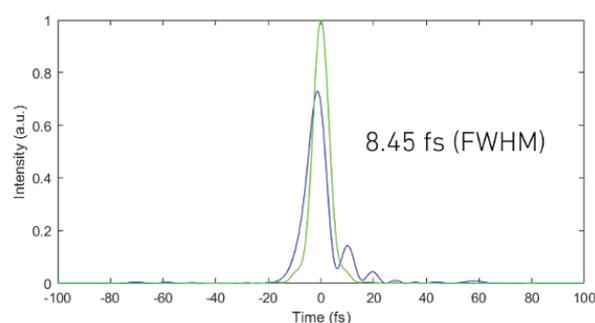
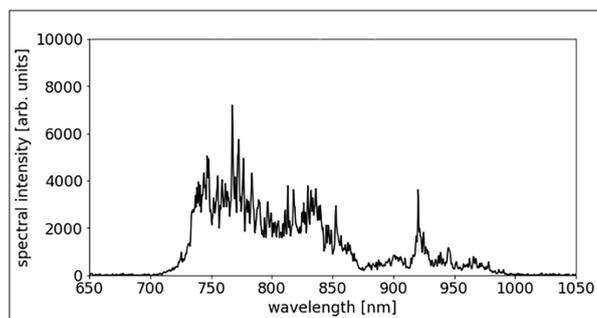
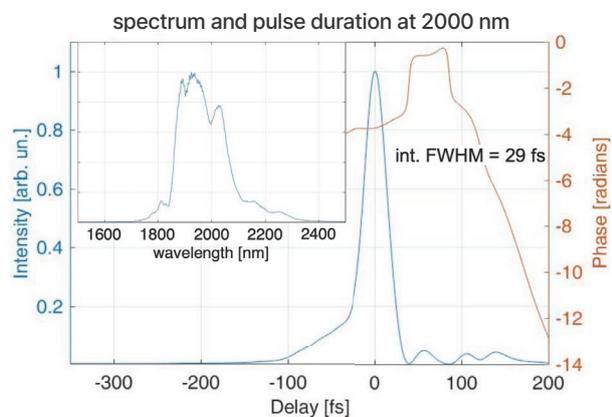
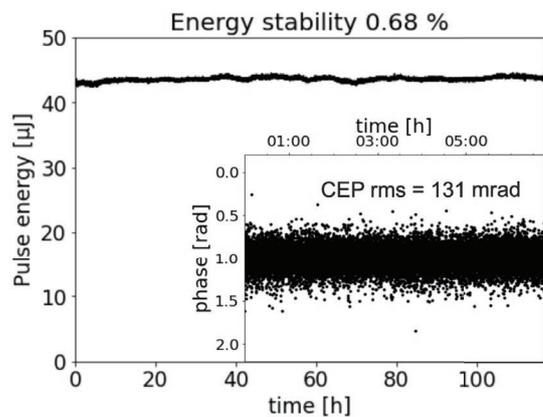
- Attosecond science
- Time-resolved ARPES
- Material science & photoelectron spectroscopy
- Large research facilities
- Free-electron or synchrotron pump-probe lasers



## Product specifications

PRODUCT	PULSE ENERGY	REPETITION RATE	PULSE DURATION	CEP STABILITY
WD Attodriver 800	40 $\mu$ J	200 kHz	< 10 fs	< 250 mrad
WD Attodriver 800 Pro	150 $\mu$ J	40 kHz	< 10 fs	< 150 mrad
WD Attodriver 2000 Pro	150 $\mu$ J	40 kHz	< 30 fs	< 150 mrad
WD Attodriver 2000 Ultra	300 $\mu$ J	40 kHz	< 30 fs	< 150 mrad

## Performance examples



"Measurement data are examples. Specifications are subject to change without notice. Copyright 2022 Class 5 Photonics GmbH"

Find more info  
[www.class5photonics.com](http://www.class5photonics.com)

