

Coherent, EUV-wavelength light, made through high harmonic generation (HHG), has finally come of age. XUUS 5 is KMLab's fifth generation of EUV conversion platform designed to offer "black-box" conversion of ultra-short, infrared laser pulses into short wavelength, laser-like radiation.

Applications

- Photo Electron Spectroscopy
- Coherent Diffractive Imaging
- Time Resolved EUV Spectroscopy
- Attoscience
- Advanced Tomography

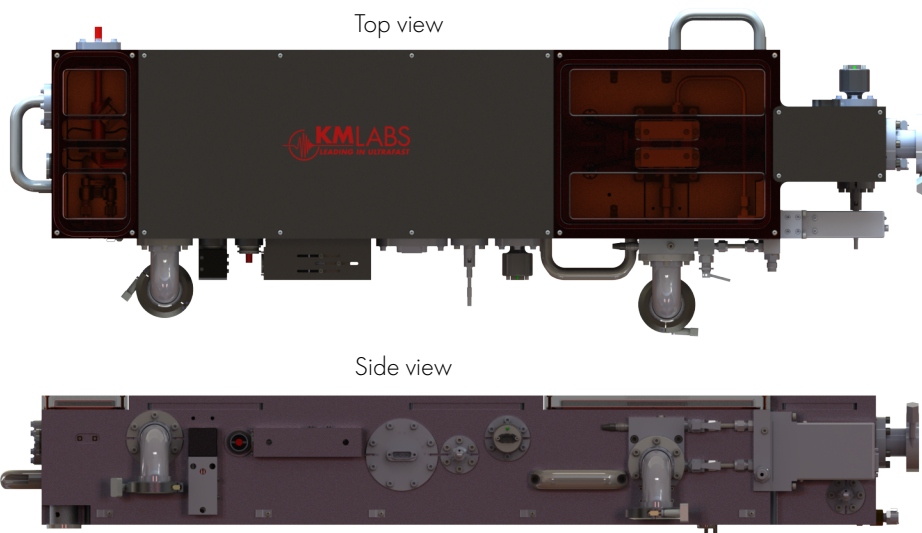
KMLab's patented use of fiber-based HHG architecture ensures repeatable, highly-stable, bright and low gas-usage generation of EUV light.

Features

- High Brightness EUV conversion
- High Efficiency EUV conversion, when paired with a KMLabs RAEA Amplifier
- Low Gas Usage
- Active Stabilization of Input Beam

Options

- Long Wavelength (~30nm)
- Short Wavelength (~13nm)
- Call for other options



Specifications

| | |
|------------------------------------|-------------------------------|
| Wavelength Range (for ~800nm pump) | ~10-50nm |
| Flux | Up to 10^{12} ph/s/harmonic |
| Flux Fluctuations (>8 hours) | <5% RMS |
| Pointing Fluctuations (> 8 hours) | <5 μ rad RMS |
| Beam Height | 4.5" (114.3mm) |
| Dimensions (mm) | 1200 L x 330 W x 176 H |