

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

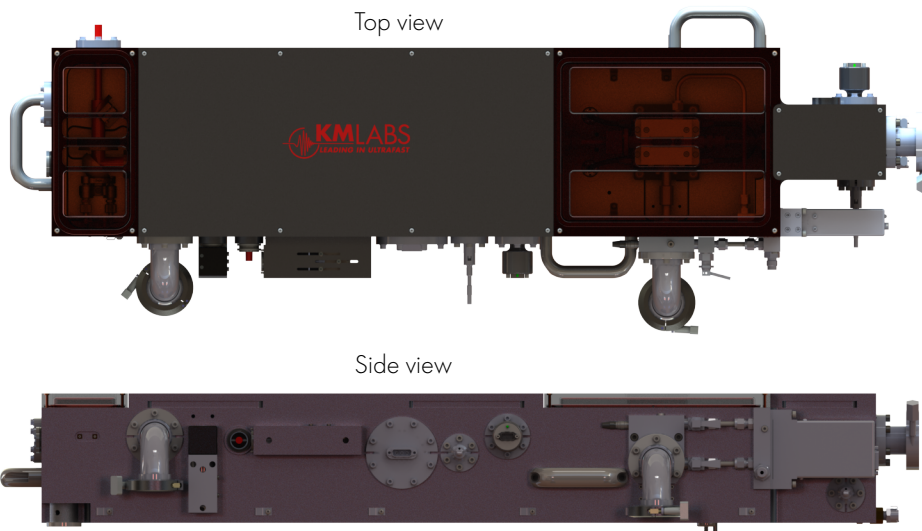
KMLab's patented use of fiber-based HHG architecture ensures repeatable, highly-stable, bright and low gas-usage generation of EUV light.

## 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 $\mu$ rad RMS              |
| Beam Height                        | 4.5" (114.3mm)                |
| Dimensions (mm)                    | 1200 L x 330 W x 176 H        |

**TII** 東京インスツルメンツ  
TOKYO INSTRUMENTS

<https://www.tokyoinst.co.jp/>

本社：〒134-0088 東京都江戸川区西葛西 6-18-14 T. I. ビル

TEL : 03-3686-4711 FAX : 03-3686-0831

大阪営業所：〒532-0003 大阪市淀川区宮原 4-1-46 新大阪北ビル

TEL : 06-6393-7411 FAX : 06-6393-7055



[www.kmlabs.com](http://www.kmlabs.com) • 303-544-9068 • 4775 Walnut St., Suite 102 • Boulder, CO 80301

We are constantly improving the performance of our products.

Please check back with us or visit our website for the latest updates and specifications.