Arterium Rejector Modules



Applications

• Removal of IR from HHG driven EUV

• High Efficiency in-vacuum EUV beam steering

Steering EUV beams is most efficiently performed with grazing incidence optics. EUV light from high harmonic genereration co-propagates with the IR light used to create it. Ensuring IR light is removed is essential for nearly all applications. KMLabs offers a set of IR-rejecting beam steering modules, which both steer the EUV beam with high efficiency and remove IR radiation.

Top View (Cross-section)



Modules. The first is water-cooled, the second is motorized.



Specifications

| EUV Reflection Efficency (6° Grazing Angle) | Up to 95% |
|---|---------------------------|
| IR Extinction | >95% |
| Flange Fittings | KF-40 |
| Vacuum Rating | High Vacuum |
| Beam Height | 4.5" (114.3mm) |
| Footprint (Single Module) | 7.0"(178mm) x 8.5"(216mm) |
| Height | 6.75"(165mm) |



Features

Options

• 6° Grazing angle (12° Beam deviation)

- EUV Reflection Effciency up to 95%
- IR Extinction >95%
- High Vacuum Compatible

In-Vacuum motorized

• Coating optimization:

• Plasma Cleaner

• Fixed (No vairable steering)

• Zero-length module interconnection

Water-cooled (No variable steering)

Long WavelengthShort Wavelength