

Ocelot Laser Oscillator

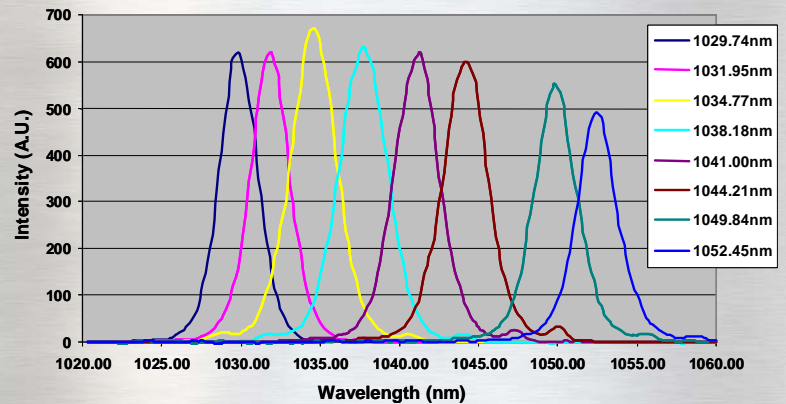
The Applied Energetics Ocelot is the perfect front-end to the Leopard Ultra-fast Laser Amplifier. The combination creates a high power, high pulse energy, laser system.

Features

- *Compact*
- *Customized controls*
- *Direct diode pumped*
- *Diagnostics package available*

Performance

<i>Gain media</i>	<i>Yb:KYW</i>
<i>Wavelength</i>	<i>1025 to 1050 nm</i>
<i>Rep rate</i>	<i>30 to 40 MHz</i>
<i>Pulse width</i>	<i>350 fs minimum</i>
<i>Power average</i>	<i>≥1 W</i>
<i>Mode</i>	<i>Gaussian, $M^2 < 1.5$</i>



Options

- *E-O pulse picker rep rate* *1 kHz to 1 MHz*
- *A-O pulse picker rep rate* *1 kHz to 5 MHz*
- *Spectrometer diagnostics (required for wavelength lock)*
- *Wavelength lock control (required for downstream amplifier)*
- *Onboard integrated autocorrelator*



Electrical Requirements: *100 to 120 VAC, single phase*

Mechanical: *24 x 12 x 8½ inches (61 x 30 x 22 cm)*

Specifications subject to change