

Ocelot Laser Oscillator

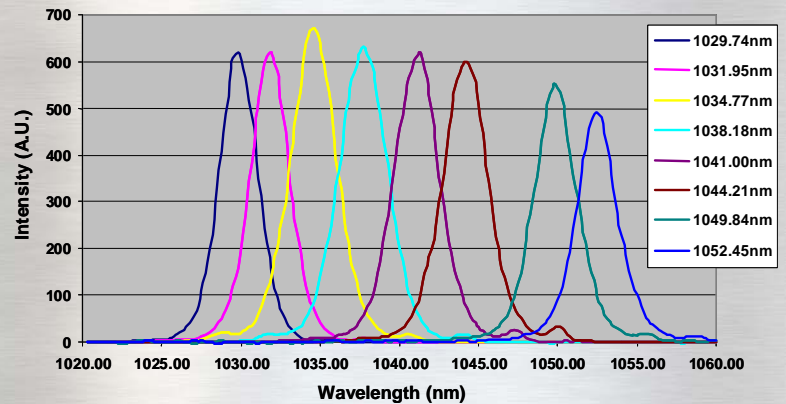
The Applied Energetics Ocelot is the perfect front-end to the Leopard Ultra-fast Laser Amplifier. The combination creates a high power, high pulse energy, laser system.

Features

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

Performance

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



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