

# Aero

## High Energy DPSS Lasers



### Features

up to 200 mJ @ 1064 nm

up to 100 mJ @ 532 nm

10 ns to 30 ns

Single shot up to 500 Hz

Multiple wavelengths configurations

Custom multi-wavelength

Custom beam shaping

### Applications

Microelectronics

FPD repair

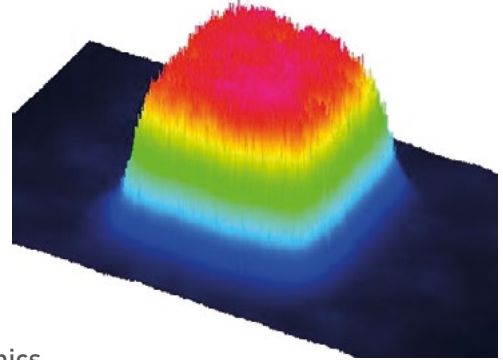
LIBS

LIDAR

# Aero

## High Energy DPSS Lasers

The new Aero is a high-energy product line operating in the ns range with repetition rate up to 500Hz. Pulse energy up to 200mJ at 1064nm and 100mJ at 532nm is achieved in a thermo-mechanically stable package. Customized systems have undergone severe vibration and qualification tests for operation in space. These Q-switched laser systems are ideal for microelectronics, FPD repair, LIBS and LIDAR.



	Aero models							
	Aero 100				Aero 50			
Available wavelengths	266 nm	355 nm	532 nm	1064 nm	266 nm	355 nm	532 nm	1064 nm
Max Pulse Energy	12 mJ	20 mJ	40 mJ	100 mJ	6 mJ	10 mJ	20 mJ	50 mJ
Q-Switch Rep. Rate	up to 50 Hz (burst mode available)				up to 100 Hz (burst mode available)			
Pulsewidth	5 to 15 ns							
Polarization	Linear > 100:1							
Optional Beam shaping	Flat-top (square or round)							
Cooling	Air (option: conductive or liquid)							



### OPTIONS AVAILABLE:

- Beam expanding and collimating optics
- External beam separator and beam shaper modules
- Extended operating temperature range
- 28 V DC Input for airborne installation
- Circular polarization
- AC-DC power supply

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