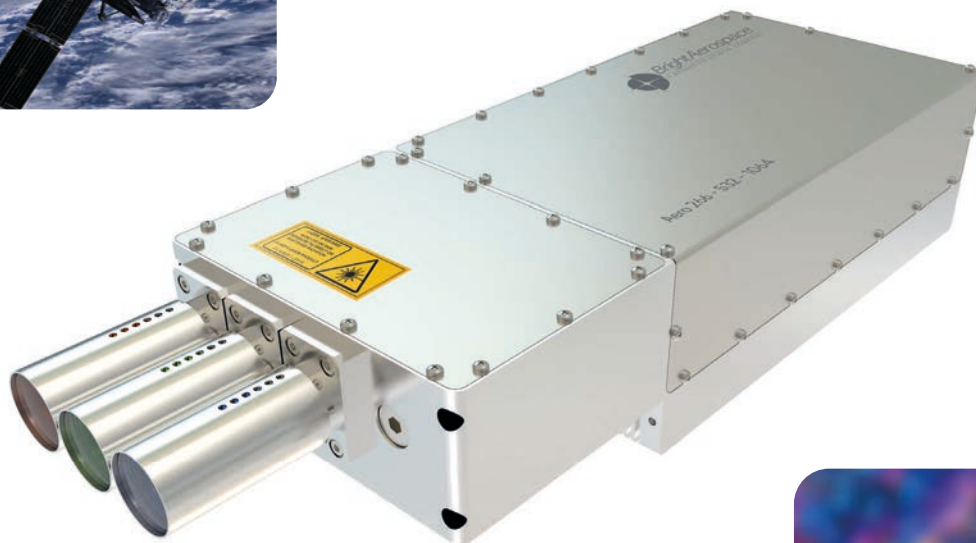
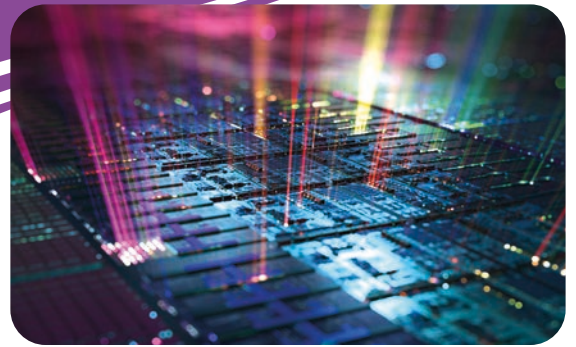


Aero

High Energy DPSS Lasers



Features

1064, 532, 355, 266, 1560 nm

up to 100 mJ @ 1064 nm

up to 40 mJ @ 532 nm

10 ns to 30 ns

Single shot up to 100 Hz

Multiple wavelengths configurations

Custom beam shaping



Applications

LIBS

LIDAR

FPD repair

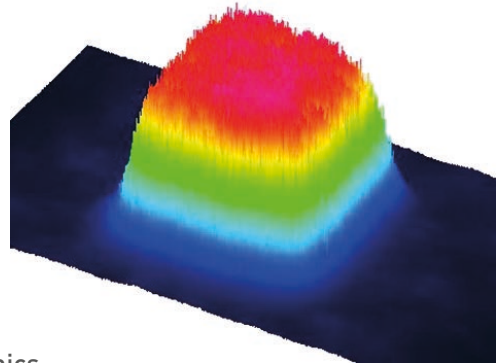
Microelectronics

Photoacoustic imaging

Aero

High Energy DPSS Lasers

The new Aero is a high-energy product line operating in the ns range with repetition rate up to 100Hz. Pulse energy up to 100mJ at 1064nm and 40mJ 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, LIDAR and photoacoustic imaging.



	Aero models									
	Aero 100					Aero 50				
Available wavelengths	266 nm	355 nm	532 nm	1064 nm	1560 nm	266 nm	355 nm	532 nm	1064 nm	1560 nm
Max Pulse Energy	12 mJ	20 mJ	40 mJ	100 mJ	20 mJ	6 mJ	10 mJ	20 mJ	50 mJ	10 mJ
Q-Switch Rep. Rate	up to 50 Hz (burst mode available)					up to 100 Hz (burst mode available)				up to 50 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)									
DC IN Voltage	Dual 24 - 15 V									



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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