

- HEADQUARTERS Bethlehem, PA
- Production Center, Alexandria-VA
- Research and Development Centers: VA and PA



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**Dr. Jean-Marc
Delavaux**

**President and
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**Dr. Glen
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**CTO and
Founder**



**Versatile Optical Solutions
In 1 μ m, 1.5 μ m, and 2 μ m Bands**

Design and manufacture of:

- Fiber Lasers
- Fiber Amplifiers
- 1 μ m, 1.5 μ m, and 2 μ m

Customer base:

- **R & D and OEM Integrations (SWAP)**
- **Benchtop solutions**

High Performance, Compactness, Power

Products

- Turn key solution
- Laser & amplifiers
- 1064-1550-2000nm
- 1W to 25 W Pout

Applications

- Lasers or Amplifiers
- Product introduction
- R&D or lab-prototype
- Custom design



OEM platforms:

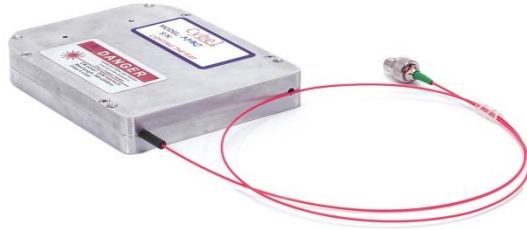
Compact OEM - **MAKO** Series

(97x 78x 15)mm: amplifier or laser

High Power OEM - **SKYLINE** Series

(200x 150x 43)mm: amplifier or laser

MAKO LASERS



- Dual mode: pulsed or CW
- CW >1.5W; >7kW peak Power; 30uJ energy
- Adjustable repetition rate: kHz to MHz
- Adjustable pulse width: 2-50ns
- Compact & rugged design
- Operation Temp -10° to 50° C

[More
Details](#)

Applications

- LIDAR/LADAR
- Frequency conversion
- Seed laser
- Range finding
- Remote sensing

Models

MAKO-1030

MAKO-1064

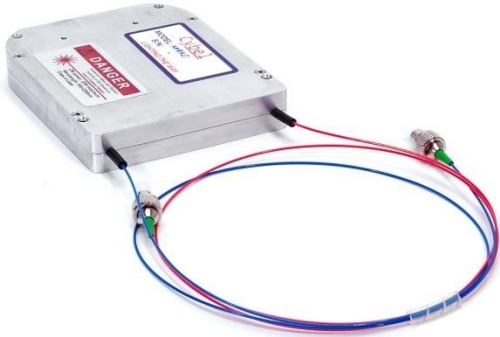
MAKO-1550

MAKO-1550+

MAKO-1900

MAKO-2000

MAKO AMPLIFIERS



- >40dB small signal gain
- CW power >1W: Single λ or WDM
- Low ASE: < 1% at 0dBm input
- Low power consumption: < 10W
- Compact & rugged design
- Operation Temp: -10 to 50 °C
- SM/PM versions

[More
Details](#)

Applications

- Free space comm.
- Target illumination
- Remote sensing

Models

MAKO-AMP1030

MAKO-AMP1064

MAKO-AMP1550

MAKO-AMP1900



Applications

- LIDAR-LADAR
- Range finding
- Mapping
- Remote sensing
- Non linear optics conversion

SKYLINE LASERS

- High energy up to 40uJ
- High peak power up to 15kW
- Adjust. PRF 10kHz to 1.5MHz
- Adjust. pulse width: 2 - 8ns
- RS232 or USB interface
- Optical trigger output
- Operation Temp: -10 to 50° C

[More
Details](#)

Models

SPACELIGHT: 1064nm

SKYLIGHT: 1550nm

ASTROLIGHT: 2000nm

SKYLINE AMPLIFIERS



- Output power 1 to 25W
- Wide bandwidth 1545-1565nm
- Single mode, single frequency
- Wide dynamic range
- Standard or PM fiber
- Control Modes: APC and ACC
- High beam quality: $M^2 < 1.1$

[More
Details](#)

Applications

- Free Space Communications
- Spectroscopy
- LIDAR and Sensing
- Test and Measurement
- Seed source for Amplifier

Models

MANTARAY: 1064nm

STINGRAY: 1550nm

MISTRAL: 2051nm



**THANK YOU FOR YOUR TIME
AND ATTENTION**

QUESTIONS/COMMENTS/QUIZ

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