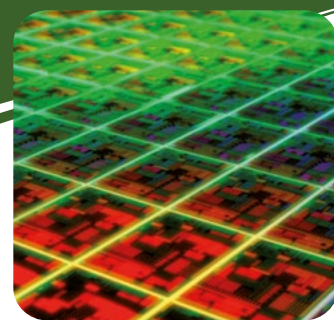


Vento

MOPA sub-ns lasers



Features

Down to 500 ps

up to 100 W @ 1064 nm

up to 50 W @ 532 nm

up to 200 kHz

industrial and MIL - grade design

air-cooled and liquid-cooled versions

Applications

Micromachining

Thin film removal

LIDAR and Bathymetry

Non-linear spectroscopy

Harmonic and parametric generation

Vento

MOPA sub-ns lasers

The new Vento series operates in the hundreds of ps range and with average power up to **50W @ 532 nm** and up to **100W @ 1064 nm**.

The possibility to choose air-cooled or water-cooled layouts (for some versions) and **industrial** or **IP65** packages allows these products to comply with a variety of environmental requirements, from MIL-type temperature ranges and vibrations, to clean laboratories as well as industrial production sites. Ideal for micromachining, fine cutting machines and powerful LIDAR sensors, all the models are enclosed in an extremely compact and ruggedized single units.



Vento models

| | Vento 1064 DPSS | | | Vento 532 DPSS | | |
|------------------------|---|--------|--------|---|-------------|-------------|
| Average Power | 16 W | 25 W | 40 W | 8 W | 15 W | 20 W |
| Max Pulse Energy | 600 μ J | 1 mJ | 1.5 mJ | 300 μ J | 550 μ J | 750 μ J |
| Q-Switch Rep. Rate | 50 to 200 kHz | | | 50 to 200 kHz | | |
| Pulsewidth | 500 to 1500 ps | | | 500 to 1200 ps | | |
| Polarization | Linear 100:1 (option: circular polarization) | | | Linear 100:1 (option: circular polarization) | | |
| Beam quality (M^2) | < 1.5 | | < 2.5 | < 1.5 | | < 2.5 |
| Cooling | Air | Liquid | | Air | Liquid | |
| Laser design | Industrial (option: IP65 or MIL-grade) | | | Industrial (option: IP65 or MIL-grade) | | |
| DC IN Voltage | 24 - 28 V | | | 24 - 28 V | | |



OPTIONS AVAILABLE:

- Beam expanding and collimating optics
- Low jitter option
- Extended operating temperature range
- Pulse energy modulation up to IP68 Package
- 28 V DC Input for airborne installation
- Circular polarization
- Remote control cbox and software interface
- AC-DC power supply

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