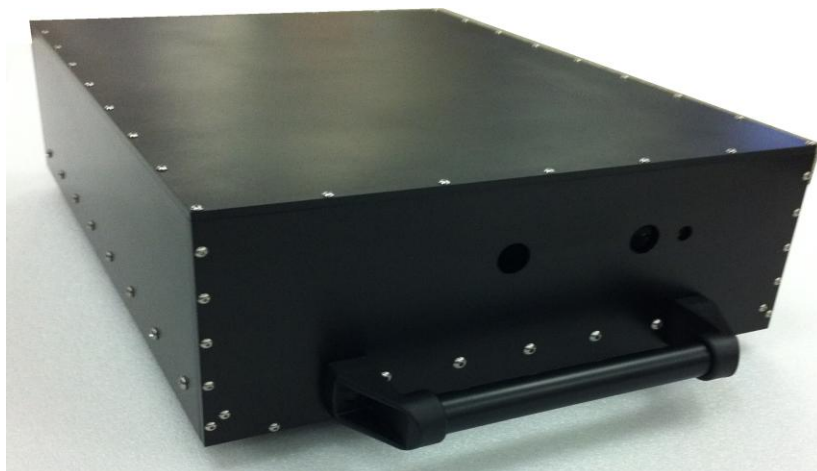


COMPILER UPGRADE 1064/532/355/266/213

Diode-Pumped Air-Cooled Model



Specifications

Specifications	Compiler
<i>Wavelength</i>	1064 nm, 532 nm, 355 nm, 266 nm, 213nm
<i>Repetition Rate</i>	1 kHz
<i>Energy Output</i>	1.0 mJ at 1064 nm 0.5 mJ at 532 nm 0.3 mJ at 355 nm 0.15 mJ at 266 nm 0.1 mJ at 213 nm
<i>Pulse-to-pulse stability</i>	~3 % at 355 nm
<i>Pulse counting</i>	available via USB 2.0 port (up to $4 \cdot 10^9$ pulses)
<i>Pulse width (at 1064 nm)</i>	8-40 ps (adjustable in accordance with customer's request)
<i>Q-switch</i>	Passive
<i>Divergence</i>	Close to diffraction limit
<i>Beam profile</i>	Gaussian
<i>Output Beam pointing stability (std dev, 1 h)</i>	0.5 Diffraction Limit
<i>External control</i>	Connector/pin for TTL trigger input or +4 +/-1V, into 1 k Ω
<i>Electrical power</i>	~ 100-240 VAC, 47-63 Hz, single phase
<i>Power consumption</i>	250 W
<i>Warm Up time</i>	< 5 minutes
<i>Operating temperature and humidity</i>	20-27° C; 10-80 %
<i>Compliance</i>	CDRH, CE

Features

- TEM₀₀ beam quality
- Air cooling
- High pulse energy

Applications

- Precise machining
- AMOLED displays processing
- Solar cell manufacturing
- Transparent material modification
- Time resolved Raman and single /double photon Laser Induced Fluorescence (LIF)
- Coherent Anti-Stokes Raman Scattering and Ultra sensitive detection
- Photo-mask repair and ablation lithography
- Photo dissociation and ionization of complex molecules , picoLIBS
- Ultrahigh density 3D storage technology
- Thin-film deposition
- Optical switches
- High accuracy global/local positioning system

Content and Delivery

The delivered laser includes of the following parts:

- Laser head
- Power module
- Optical fibers for pumping delivery
- CD with Manual and Control Application; and
- Test Record.

Warranty

1 year for all parts and labor excluding the laser pump diode. The pumping diodes are warranted for the lesser of 1 year or 10⁹ pulses.

Passat USA

720 N. Hammonds Ferry Rd.
Linthicum, MD 21090, USA
Tel : (410) 609-2006
Fax : (360) 323-6971
E-mail : info@passatinc.com

Passat Canada

116D Viceroy Rd. Unit 1-4
Concord, ON L4K 2M4, Canada
Tel : (905) 695-1088
Fax : (866) 422-0959
E-mail : info@passatltd.com

www.passatltd.com