Passat

celebrating 25 years of Manufacturing Solid-State Short-Pulse Lasers!

Compiler Upgrade 400

High-Energy DPSS Picosecond Lasers

FEATURES

- TEM00 beam quality
- Air cooling
- High pulse energy

APPLICATIONS

- Photomask, photomask repair
- Bio-cell marking
- Diamonds, polymer, organic materials, crystals drilling and cutting
- Time resolved spectroscopy
- X-ray tube fabrication
- Thin-film deposition
- Optical switches
- High accuracy global/local positioning system

CUSTOMIZED TURNKEY SOLUTIONS

Compiler lasers can be customized in accordance with the particular request. Additional features include switchable or non-switchable separate outputs for different wavelengths, computerized or manual power attenuation, signal synchronization and gating.

For more information on any of our products or services please visit us on the Web at: **www.passatltd.com**

Compiler Upgrade 400

The Compiler Upgrade is the 400- Hz picosecond laser with a high peak power (300MW at 1064 nm). The laser consists of the laser head fiber-coupled with the power module.

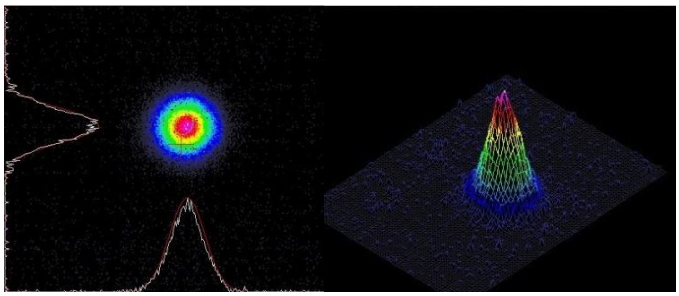
*Compiler Upgrade 400 specifications**

Wavelength	1064 nm	532 nm	355 nm (optional)	266 nm (optional)	213 nm
Energy output (at 400 Hz)	1.5 mJ	1.0 mJ	0.4 mJ	0.28mJ	0.12mJ
Pulse width (at 1064 nm)	8 ps				
Repetition rate	Internal/external triggering, up to 400 Hz				
Q-switch	Passive				
Beam quality	Diffraction limited				
Beam profile	TEMoo Gaussian				
Pulse stability	<6% (<3% @1064 nm)				
Output beam pointing stability (std dev, 1 hour)	~0.5 Diffraction limit				
External control	Connector for TTL trigger input port (4 +/-1V, 1 kΩ)				
Electrical power	~ 100-240VAC, 47-63 Hz, single phase				
Power consumption	< 80 W				
Warm-up time	Less than 2 minutes				
Operating temperature and humidity	18-28 ^{o}C; 10-85 %				

Delivery set

- Laser head
- Pumping unit
- Optical fiber
- Signal cable
- Power cord
- CD with manual
- Software

Laser Output Beam Profile



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