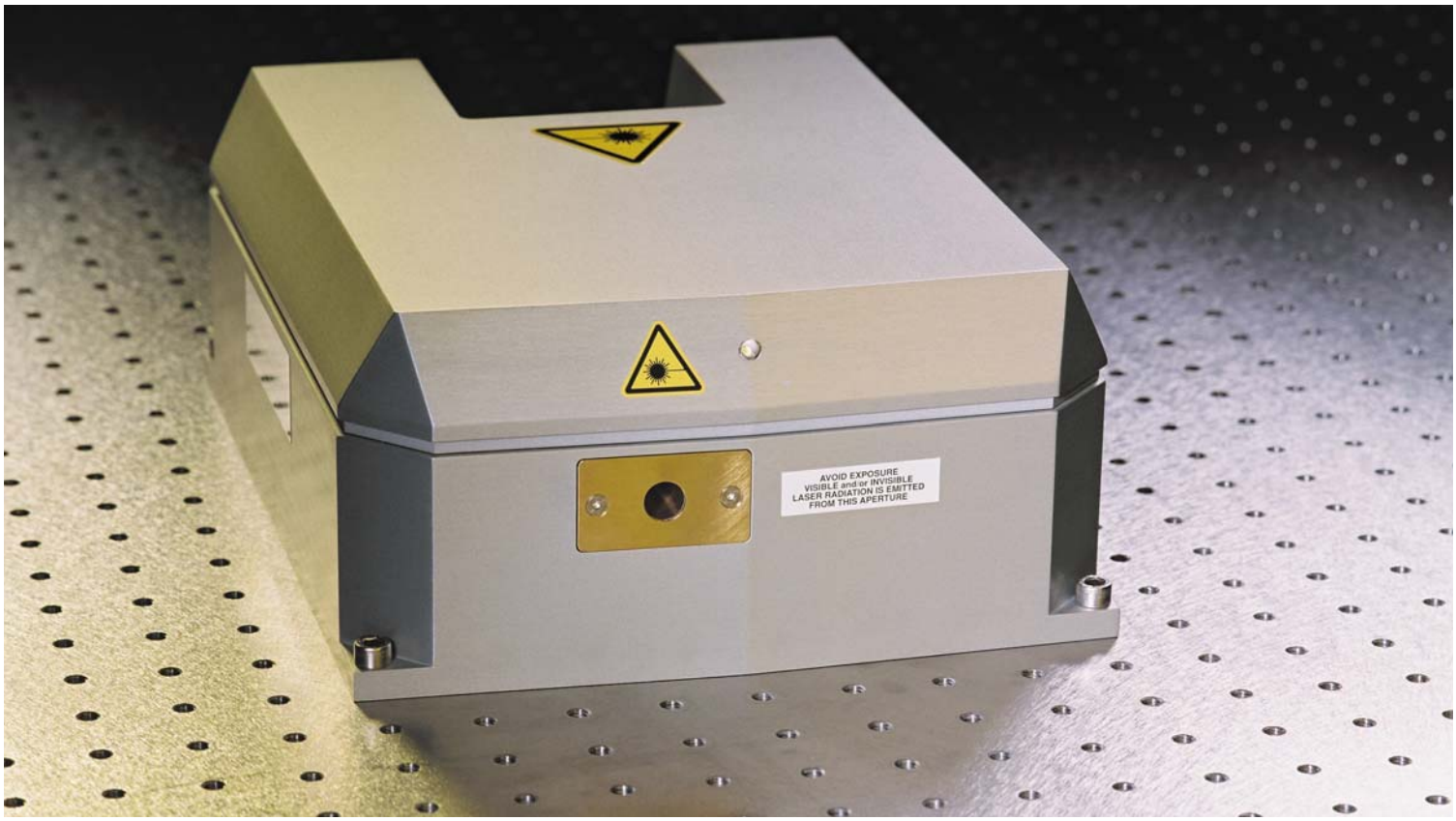
TUATARA – UV DPSS LASER

266 nm diode pumped solid state cw UV laser



ADVANTAGES

- High efficiency
- High reliability
- Minimum of components
- Low noise
- High beam quality
- Small size and weight
- Air cooling
- Easy to integrate
- OEM and stand-alone systems
- Favorable price

APPLICATIONS

- Wafer inspection
- DVD mastering
- Basic research

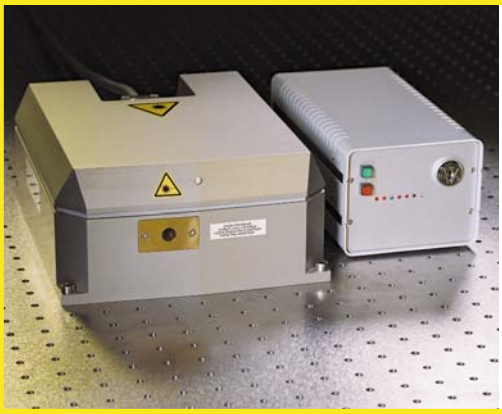
SYSTEM SPECIFICATIONS

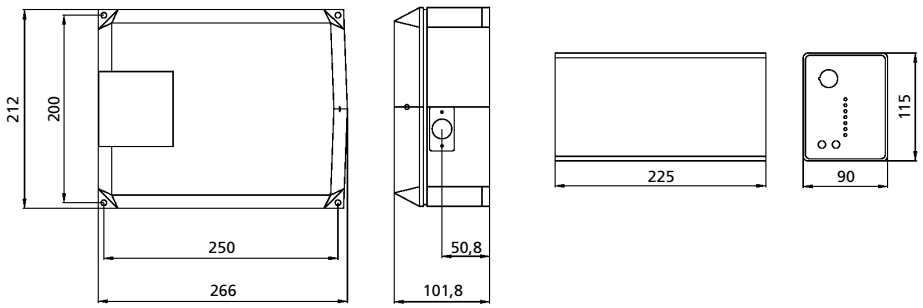
Wavelength	266 nm	
Output Power	10 mW (single mode)	20 mW (multi mode)
Polarization Ratio	> 100:1	
Long-term Power Stability	< 2% (8 h period)	
Beam Divergence	0.8 mrad (full angle)	
Beam Diameter	0.5 mm ($1/e^2$)	
M^2	1.3	
Linewidth	< 0.001 nm (single mode)	< 0.005 nm (multi mode)

UTILITY AND ENVIRONMENTAL REQUIREMENTS

Operating Voltage	85-264 VAC (5 VDC on request)	
Power Consumption	60 W	
Maximum Laser Head Baseplate Temperature	45°C	
Ambient Temperature	10°C to 40°C, Non-condensing	
Dimensions (L x W x H)	Laser Head	266 x 212 x 102 mm
	Power Supply	225 x 115 x 90 mm

DIMENSIONS





SYSTEM INTEGRATION AND THERMAL MANAGEMENT

NLG GmbH TUATARA lasers are modular components sold for use in OEM equipment.
The OEM is responsible for compliance with all applicable safety regulations.
Thermal management of the TUATARA must be included in the OEM design.

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