

Genesis CX SLM-Series

High Power Single Longitudinal Mode (SLM) UV and Visible OPS Laser Systems

Based on Coherent's Optically Pumped Semiconductor Laser (OPSL) technology, the Genesis CX SLM laser is a high-performance CW laser producing a single longitudinal mode (SLM) laser beam at up to 5 W in the visible wavelength range (460 to 590 nm) and up to 100 mW in the UV (355 nm).

Standard wavelengths and powers include:

- 355 nm, at up to 100 mW
- 460, 480, 488, 514, 532, 577, and 590 nm, at up to 5 W

OPSL technology furthermore offers the unique ability to tailor the wavelength of the laser to meet your unique applications requirement, dependent only by the semiconductor material system being used. Current capabilities include 310 to 390 nm, 460 to 590 nm, and 920 to 1180 nm, with new wavelengths under development.



FEATURES & BENEFITS

- Up to 5 W output power at visible wavelengths
- Up to 100 mW output power at UV wavelengths
- Standard wavelengths at 355, 460, 480, 488, 514, 532, 577, and 590 nm
- Single longitudinal mode (<5 MHz linewidth)
- · Superior mode quality
- · Power-invariant beam properties
- Low noise
- PermAlign™ solder-bonded optics technology
- AAA™ ultra-long life pump diodes
- OEM and end-user configuration options

APPLICATIONS

- Holography
- Spectroscopy
- Interferometry



Wavelength (nm) 355 + 2	SPECIFICATIONS ¹	Genesis		
PWHM Linewidth (MHz) <				
Pulse Format	Wavelength (nm)	355 ±2		
Spectral Purity (%) S99	FWHM Linewidth (MHz)	<5		
Output Power (mW) 40, 60, 80, 100 Spatial Mode TEM ₀₀ Beam Quality (M²) < 1,2 Beam Quality (M²) < 1,0 ± 0.1 Beam Waist Diameter (mm) (FW, 1/e²) 0.975 ± 0.2 Beam Divergence (mrad) (FW, 1/e²) < 1,2 Beam Position Stability² (µm²°C) ± 0.325 Beam Position Stability² (µm²°C) < 6 Beam Position Tolerance² (mm) ± < 1.0 Horizontal ± < 1.0 Vertical ± < 1.0 Beam Pointing Tolerance (mrad) < 5 Beam Pointing Tolerance (mrad) < 5 Polarization Direction Vertical², ±5° Polarization Direction Vertical², ±5° Polarization Direction Vertical², ±5° Noise (%, rms) (10 Hz to 1 MHz) < 0.1 Power Stability² (%) (xb-k²) ± <1 Warm-up Time (minutes) < 30 CDRH Compliant Yes UTILITY REQUIREMENTS Operating Voltage (VAC) 100 to 240 Frequency (Hz) 50 to 60 Power Consumption (W) 500 Cooling R	Pulse Format	CW		
Spatial Mode TEM ₀₀ Beam Quality (M²) <1.2	Spectral Purity (%)	>99		
Beam Quality (M²) Beam Quality (M²) Beam Waist Diameter (mm) (FW, 1/e²) Beam Waist Diameter (mm) (FW, 1/e²) Beam Waist Diameter (mm) (FW, 1/e²) Beam Waist Location* (m) Beam Waist Location* (m) Beam Waist Location* (m) Beam Position Stability* (µm²C) Beam Position Tolerance* (mm) Horizontal Vertical Beam Position Tolerance (mrad) Beam Position Tolerance (mm) Horizontal Vertical Beam Pointing Tolerance (mrad) Beam Position Tolerance (mrad) Series (mm) Beam Position Tolerance (mrad) Series (mm) Feroumence (mm) Series (mm)	Output Power (mW)	40, 60, 80, 100		
Beam Circularity3 1.0 ± 0.1 Beam Waist Diameter (mm) (FW, 1/e2) 0.975 ± 0.2 Beam Divergence (mrad) (FW, 1/e2) 1.2 Beam Divergence (mrad) (FW, 1/e2) 1.2 Beam Position Stability6 (µm/°C) 1.5 Beam Position Tolerance6 (mm) Horizontal 1.1 Vertical 1.5 Beam Pointing Tolerance (mrad) 1.5 Beam Pointing Tolerance (mm) Horizontal 1.5 Vertical 1.5 Beam Pointing Tolerance (mrad) 1.5 Beam Position Tolerance6 (mm) 1.5 Beam Position Tolerance6 Tolerance6 Tolerance Manuscus Tolerance Toleranc	Spatial Mode	TEM ₀₀		
Beam Waist Diameter (mm) (FW, 1/e²) 0.975 ± 0.2 Beam Divergence (mrad) (FW, 1/e²) <1.2	Beam Quality (M ²)	<1.2		
Beam Divergence (mrad) (FW, 1/e²) Beam Waist Location⁴ (m) Beam Position Stability² (µm/°C) Beam Position Stability² (µrad/°C) Beam Position Tolerance⁶ (mm) Horizontal Vertical Beam Pointing Tolerance (mrad) Beam Pointing Tolerance (mrad) Beam Position Tolerance⁶ (mm) Horizontal Vertical Beam Pointing Tolerance (mrad) Beam Pointing Tolerance (mrad) Beam Pointing Tolerance (mrad) Beam Pointing Tolerance (mrad) Solarization Ratio Linear, >100:1 Polarization Direction Vertical [®] , ±5° Noise (%, rms) (10 Hz to 1 MHz) Power Stability? (%) (pk-pk) ### Linear, >100:1 Power Stability? (%) (pk-pk) ### Linear, >100:1 ### Direction United (minutes) Operating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements #### Beat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Non-Operating Condition Non-Operating Condition Non-Operating Condition Non-Operating Condition	Beam Circularity ³	1.0 ±0.1		
Beam Waist Locations (m) ±0.325 Beam Position Stabilitys (µm/°C) < <5 Beam Pointing Stabilitys (µrad/°C) < <6 Beam Position Tolerance (mm) Horizontal Vertical Beam Position Tolerance (mrad) Beam Pointing Tolerance (mrad) Beam Pointing Tolerance (mrad) Seam Pointing Tolerance (mrad) Beam Pointing Tolerance (mrad) Seam Pointing Tolerance (mr	Beam Waist Diameter (mm) (FW, 1/e ²)	0.975 ±0.2		
Beam Position Stability® (µm/°C) Beam Pointing Stability® (µrad/°C) Beam Position Tolerance® (mm) Horizontal Vertical Beam Pointing Tolerance (mrad) Folarization Ratio Polarization Direction Noise (%, rms) (10 Hz to 1 MHz) Power Stability® (%) (pk-pk) ##**********************************	Beam Divergence (mrad) (FW, 1/e ²)	<1.2		
Beam Pointing Stability's (µrad/°C) Beam Position Tolerance's (mm) Horizontal Vertical Beam Pointing Tolerance (mrad) Polarization Ratio Polarization Direction Noise (%, rms) (10 Hz to 1 MHz) Power Stability' (%) (pk-pk) ### August ###	Beam Waist Location ⁴ (m)	±0.325		
Beam Position Tolerance ⁶ (mm) Horizontal Vertical Beam Pointing Tolerance (mrad) Polarization Ratio Polarization Direction Noise (%, rms) (10 Hz to 1 MHz) Power Stability' (%) (pk-pk) Warm-up Time (minutes) CDRH Compliant Vertical Vertical Vertical ⁹ , ±5° Noise (%, rms) (10 Hz to 1 MHz) Voise (%, rms) (10 Hz to 1	Beam Position Stability ⁵ (μm/°C)	<5		
Horizontal Vertical Beam Pointing Tolerance (mrad) Polarization Ratio Polarization Direction Noise (%, rms) (10 Hz to 1 MHz) Power Stability² (%) (pk-pk) Warm-up Time (minutes) CDRH Compliant Vertical Poperating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Non-Operating Condition Possibility² (%) (pk-pk) Linear, >100:1 Linea	Beam Pointing Stability⁵ (µrad/°C)	<6		
Polarization Ratio Polarization Direction Polarization Direction Noise (%, rms) (10 Hz to 1 MHz) Power Stability7 (%) (pk-pk) Warm-up Time (minutes) CDRH Compliant Yes UTILITY REQUIREMENTS Operating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Non-Operating Condition Linear, >100:1 Vertical9, ±5° <0.1 101 102 40.1 102 40.1 102 40.1 103 40.1 104 40.1 104 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 4	Horizontal			
Polarization Ratio Polarization Direction Polarization Direction Noise (%, rms) (10 Hz to 1 MHz) Power Stability7 (%) (pk-pk) Warm-up Time (minutes) CDRH Compliant Yes UTILITY REQUIREMENTS Operating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Non-Operating Condition Linear, >100:1 Vertical9, ±5° <0.1 101 102 40.1 102 40.1 102 40.1 103 40.1 104 40.1 104 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 4	Beam Pointing Tolerance (mrad)	<5		
Noise (%, rms) (10 Hz to 1 MHz) Power Stability ⁷ (%) (pk-pk) Warm-up Time (minutes) CDRH Compliant Yes UTILITY REQUIREMENTS Operating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition And Content of MHz (50 to 104°F) non-condensing non-condensing non-condensing condition 10 to 40°C (50 to 104°F) non-condensing non-condensing non-condensing non-condensing condition	Polarization Ratio	Linear, >100:1		
Power Stability7 (%) (pk-pk) Warm-up Time (minutes) CDRH Compliant Yes UTILITY REQUIREMENTS Operating Voltage (VAC) Frequency (Hz) Fower Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Non-Operating Condition ### Consumption (W) ### Let 1 ### Consumption (W) ### Consumption (W) ### Let 2 ### Consumption (W) ##	Polarization Direction	Vertical ⁹ , ±5°		
Warm-up Time (minutes) CDRH Compliant Yes UTILITY REQUIREMENTS Operating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Ves 100 to 240 100 to 240 Frequency (Hz) 50 to 60 Requirements Heat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent 10 to 40°C (50 to 104°F) non-condensing Non-Operating Condition -10 to 60°C (14 to 140°F)	Noise (%, rms) (10 Hz to 1 MHz)			
CDRH Compliant Ves UTILITY REQUIREMENTS Operating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements Heat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Yes Yes Yes Yes 10 to 240 10 to 240 Frequency (Hz) 50 to 60 Foundation 10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)	Power Stability ⁷ (%) (pk-pk)	±<1		
Operating Voltage (VAC) Frequency (Hz) Power Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Non-Operating Condition Operating Condition Operating Condition Non-Operating Condition Operating Condition Operating Condition Operating Condition 10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)	Warm-up Time (minutes)	<30		
Operating Voltage (VAC) Frequency (Hz) Frequency (Hz) Fower Consumption (W) Cooling Requirements ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition Non-Operating Condition 10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)	CDRH Compliant	Yes		
Frequency (Hz) 50 to 60 Power Consumption (W) 500 Cooling Requirements Heat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition 10 to 40°C (50 to 104°F) non-condensing Non-Operating Condition -10 to 60°C (14 to 140°F)	UTILITY REQUIREMENTS			
Power Consumption (W) 500 Cooling Requirements Heat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition 10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)	Operating Voltage (VAC)	100 to 240		
Cooling Requirements Heat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition 10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)	Frequency (Hz)	50 to 60		
Genesis CX Water-Cooled Riser and Chiller, or equivalent ENVIRONMENTAL CONDITIONS Ambient Temperature Operating Condition Non-Operating Condition 10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)	Power Consumption (W)	500		
Ambient Temperature Operating Condition Non-Operating Condition 10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)	Cooling Requirements			
Operating Condition 10 to 40°C (50 to 104°F) non-condensing Non-Operating Condition -10 to 60°C (14 to 140°F)	ENVIRONMENTAL CONDITIONS			
Relative Humidity ⁸ (%) 5 to 95	Operating Condition	, , ,		
	Relative Humidity ⁸ (%)	5 to 95		

- Optical parameters measured at the output plane of the laser head. Unless noted all parameters valid for the lifetime of the unit.

 Available in OEM or end user versions.

 Circularity defined as vertical diameter divided by horizontal diameter.

 Negative value corresponds to a location inside head.

 After warm-up over 2 hours.

 Measured at the output window. Positions are relative to the base and side of the laser as shown in the drawing.

 Measured over 8 hours.

 Non-condensing.

 Vertical + normal to laser base plane.



SPECIFICATIONS ¹	Genesis CX-460²	Genesis CX-480²	Genesis CX-488²	
Wavelength (nm)	460 ±3	480 ±3	488 ±3	
FWHM Linewidth (MHz)	<5			
Pulse Format	CW			
Spectral Purity (%)	>99			
Output Power (mW)	1000 2000 2000			
Spatial Mode	TEM ₀₀			
Beam Quality (M ²)		<1.1		
Beam Circularity ³		1.0 ±0.1		
Beam Waist Diameter (mm) (FW, 1/e ²)	2.1 ±0.3	2.1 ±0.3	2.2 ±0.3	
Beam Divergence (mrad) (FW, 1/e ²)	<0.5			
Beam Waist Location ⁴ (m)		±0.5		
Beam Position Stability ⁵ (μm/°C)	<5			
Beam Pointing Stability ⁵ (µrad/°C)	<5			
Beam Position Tolerance ⁶ (mm) Horizontal Vertical	±<1.0 ±<1.0			
Beam Pointing Tolerance (mrad)	<5			
Polarization Ratio	Linear, >100:1			
Polarization Direction	Horizontal, ±5°			
Noise (%, rms) (10 Hz to 10 MHz)	<0.1			
Power Stability ⁷ (%) (pk-pk)	±<1			
Warm-up Time (minutes)	<30			
CDRH Compliant	Yes			
UTILITY REQUIREMENTS				
Operating Voltage (VAC)	100 to 240			
Frequency (Hz)	50 to 60			
Power Consumption (W)	500			
Cooling Requirements	Heat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent			
ENVIRONMENTAL CONDITIONS				
Ambient Temperature Operating Condition Non-Operating Condition	10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)			
Relative Humidity ⁸ (%)	5 to 95			

- Optical parameters measured at the output plane of the laser head. Unless noted all parameters valid for the lifetime of the unit.

 Available in OEM or end user versions.

 Circularity defined as vertical diameter divided by horizontal diameter.

 Negative value corresponds to a location inside head.

 After warm-up over 2 hours.

 Measured at the output window. Positions are relative to the base and side of the laser as shown in the drawing.

 Measured over 8 hours.

 Non-condensing.



SPECIFICATIONS ¹	Genesis CX-514²	Genesis CX-532 ²	Genesis CX-577 ²	Genesis CX-590 ²		
Wavelength (nm)	514 ±3	532 ±3	577 ±3	590 ±3		
FWHM Linewidth (MHz)		<5				
Pulse Format		CW				
Spectral Purity (%)		>99				
Output Power (mW)	2000, 4000	2000, 4000, 5000	2000	1000		
Spatial Mode		TEM ₀₀				
Beam Quality (M ²)		<1.1	1			
Beam Circularity ³		1.0 ±0.1				
Beam Waist Diameter (mm) (FW, 1/e ²)	2.2 ±0.3	2.3 ±0.3	2.3 ±0.3	2.4 ±0.3		
Beam Divergence (mrad) (FW, 1/e ²)		<0.5				
Beam Waist Location ⁴ (m)		±0.5				
Beam Position Stability ⁵ (μm/°C)		<5				
Beam Pointing Stability ⁵ (μrad/°C)		<5				
Beam Position Tolerance ⁶ (mm) Horizontal Vertical		±<1.0 ±<1.0				
Beam Pointing Tolerance (mrad)		<5				
Polarization Ratio		Linear, >100:1				
Polarization Direction		Horizontal, ±5°				
Noise (%, rms) (10 Hz to 10 MHz)		<0.1				
Power Stability ⁷ (%) (pk-pk)		±<1				
Warm-up Time (minutes)		<30				
CDRH Compliant		Yes				
ELECTRICAL SPECIFICATIONS						
Operating Voltage (VAC)		100 to 240				
Frequency (Hz)		50 to 60				
Power Consumption (W)		500				
Cooling Requirements	Gene	Heat sink required Genesis CX Water-Cooled Riser and Chiller, or equivalent				
ENVIRONMENTAL CONDITIONS						
Ambient Temperature Operating Condition Non-Operating Condition		10 to 40°C (50 to 104°F) non-condensing -10 to 60°C (14 to 140°F)				
Relative Humidity ⁸ (%)		5 to 95				

- Optical parameters measured at the output plane of the laser head. Unless noted all parameters valid for the lifetime of the unit.

 Available in OEM or end user versions.

 Circularity defined as vertical diameter divided by horizontal diameter.

 Negative value corresponds to a location inside head.

 After warm-up over 2 hours.

 Measured at the output window. Positions are relative to the base and side of the laser as shown in the drawing.

 Measured over 8 hours.

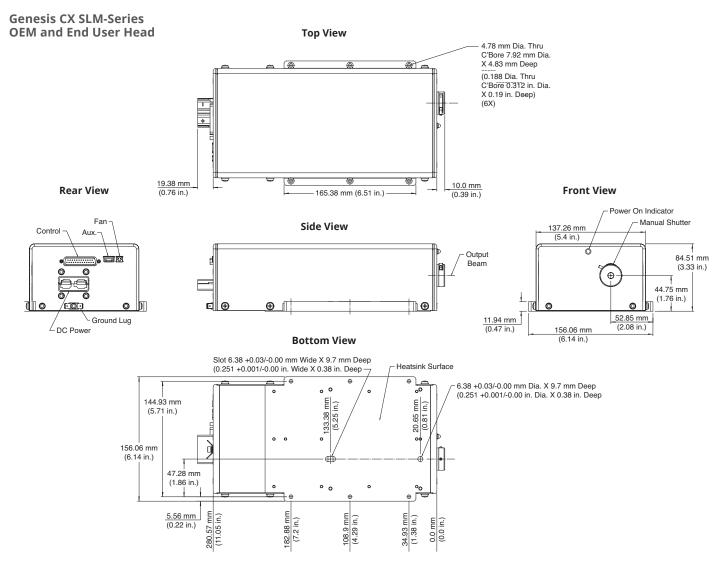
 Non-condensing.



MECHANICAL SPECIFICATIONS			
Dimensions (L x W x H)			
Laser Head ¹	281 x 156 x 85 mm (11.06 x 6.14 x 3.35 in.)		
Power Supply (End User)	361 x 229 x 180 mm (14.2 x 9.0 x 7.1 in.)		
Power Supply (OEM)	300 x 208 x 97 mm (11.8 x 8.2 x 3.8 in.)		
Cables (laser head to controller)	3 m (9.8 ft.)		
Weight			
Laser Head	7.1 kg (15.65 lbs)		
Power Supply (End User)	6.0 kg (13.23 lbs)		
Power Supply (OEM)	3.8 kg (8.38 lbs)		
CE Marking	IEC 61010-1/EN 61010-1		

¹ Back connector not included in laser head length dimension.

MECHANICAL SPECIFICATIONS

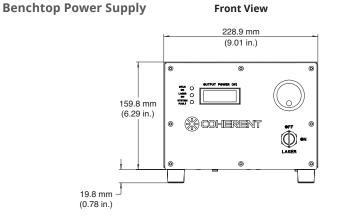


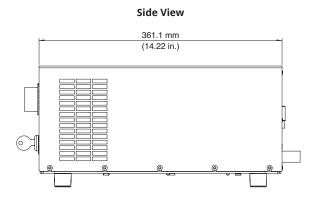


MECHANICAL SPECIFICATIONS

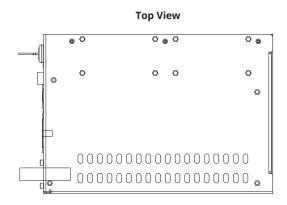


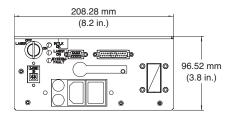
Genesis CX-Series



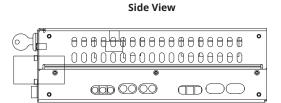


Genesis CX-Series High Current OEM Power Supply

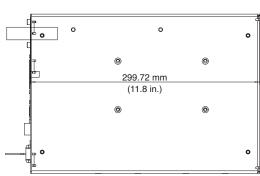


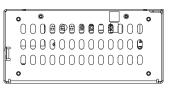


Front View







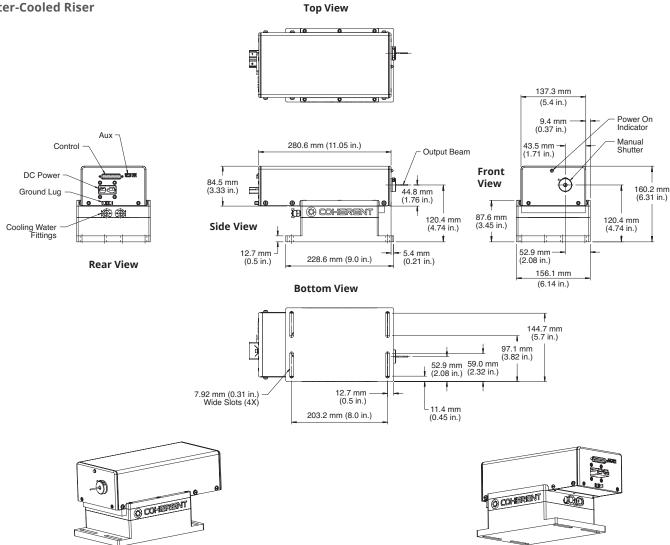


Rear View



MECHANICAL SPECIFICATIONS







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Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice. Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

