



# ExciStar

## Compact, High Repetition Rate Excimer Laser

ExciStar excimer lasers are table top-size lasers designed for easy system integration. The proven ALMETA tube design ensures industrial-grade performance and endurance. Thousands of ExciStar lasers serve a broad range of delicate tasks including cornea ablation, prescription lens marking, and optical sensor manufacturing.

### FEATURES

- Available for 193 nm and 248 nm
- 500 Hz repetition rate
- ALMETA tube with integrated heating device
- Energy monitor for energy stabilized operation
- Ultimate pulse control
- Use of premix gas, air-cooled, single-phase
- CE-declaration

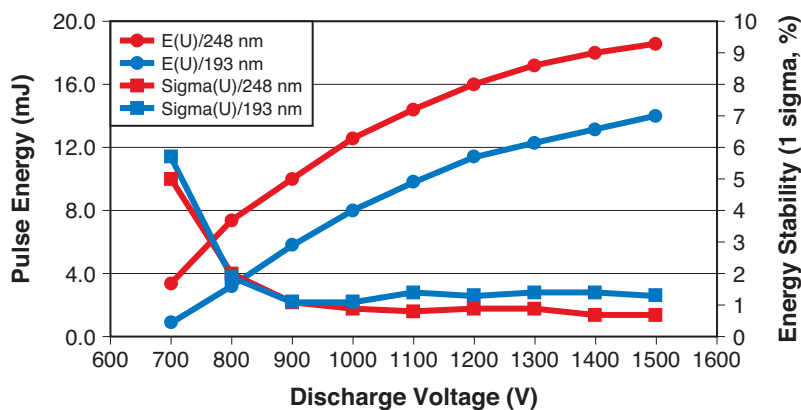
### APPLICATIONS

- LASIK Vision Correction
- UV Precision Marking
- LA-ICP-MS Analysis
- FBG Writing

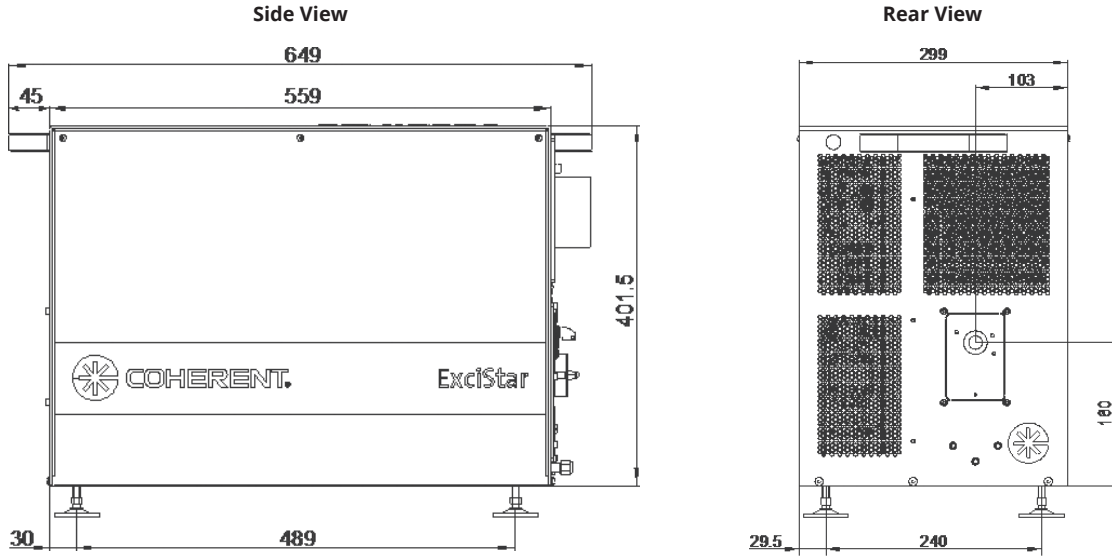


SPECIFICATIONS	ExciStar 200		ExciStar 500	
	193	248	193	248
Wavelength (nm)	193	248	193	248
Max. Pulse Energy (mJ)	11	15	11	15
Max. Repetition Rate (Hz)	200	200	500	500
Stabilized Pulse Energy (mJ)	5	8	5	8
Stabilized Pulse Power (W)	1	1.6	2.5	4
Energy Stability (sigma, %)	<2			
Beam Dimension (FWHM, mm, V x H)	$(6 \pm 0.5) \times (3 \pm 0.5)$			
Pulse Duration (FWHM, ns)	$7 \pm 2$			
Cooling	Air			
Weight (kg)	75 kg (165.3 lbs.)			
Laser Dimensions (L x W x H)	650 x 300 x 400 mm (25.6 x 11.8 x 15.75 in.)			
Electrical	230 V, 50/60 Hz, single phase			

**ExciStar Performance at 193 nm and 248 nm/500 Hz**



**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.

Coherent offers a limited warranty for all ExciStar lasers. For full details of this warranty coverage, please refer to the Service section at [www.Coherent.com](http://www.Coherent.com) or contact your local Sales or Service Representative. Printed in the U.S.A. MC-013-07-0M1017Rev.A Copyright ©2017 Coherent, Inc.

