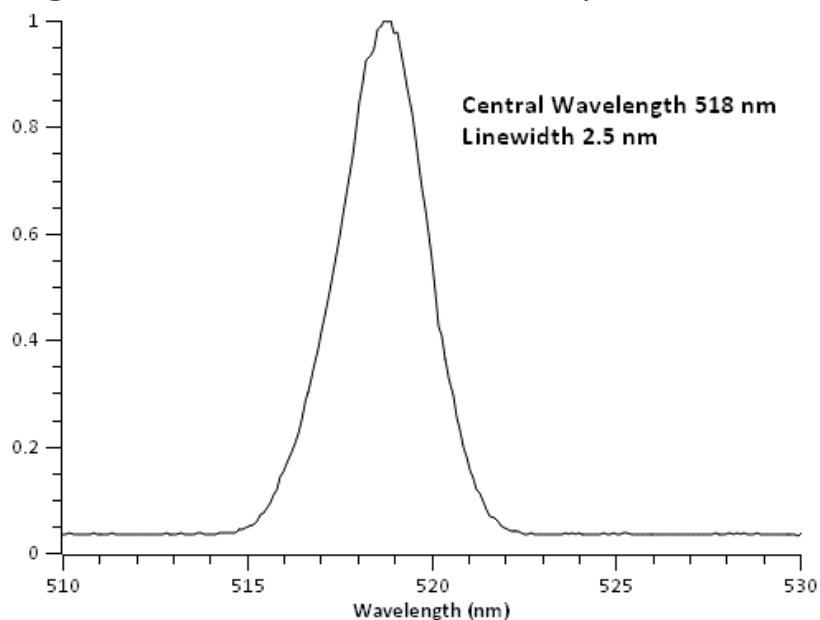




The Chromacity 520 is an air-cooled, compact, ultrafast ytterbium fibre-based laser providing exceptional performance with turnkey operation. Providing high-average power with <math><250\text{ fs}</math> pulsewidth, the system can provide dual output at 520/1040 nm and is ideal for non-linear optical, microscopy and time-resolved spectroscopy applications.

- 520 nm output
- Pulsewidth <math><250\text{ fs}</math>
- >500 mW of average power
- 100 MHz repetition frequency
- Access to 1040 nm
- Linearly polarized free-space output

High Power Ultrafast 520 nm Output



Web-based laser control

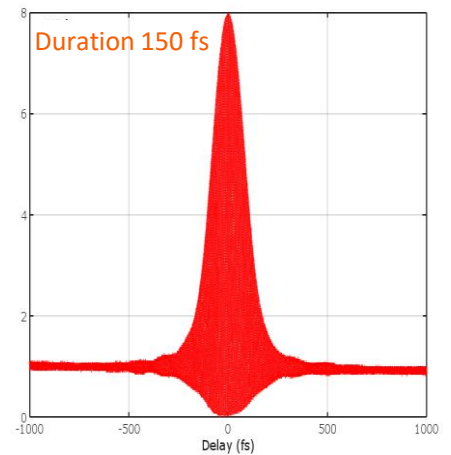
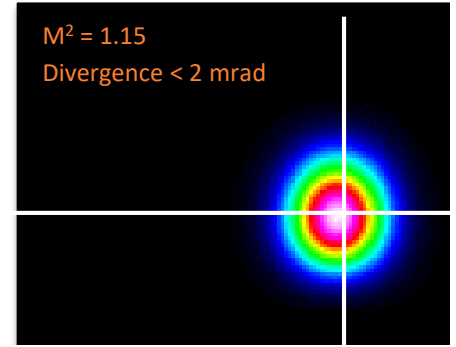
- Easy to use interface
- Safety shutter and laser emission control over ethernet and wifi
- Door interlock error alerts
- RS232 control also available



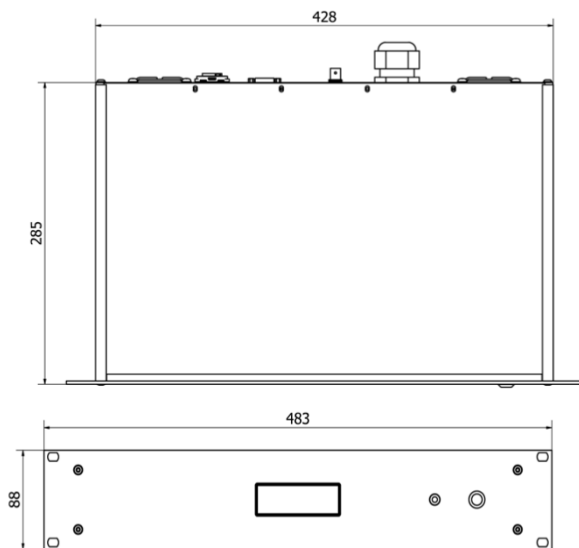
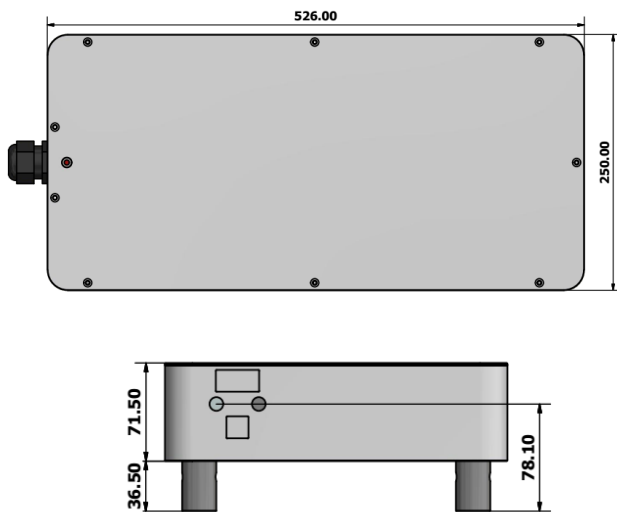
Specifications

		Options
Output power	> 500 mW	Up to 1W available
Wavelength	520 nm +/- 10 nm	Access to 1040 nm available on request
Pulse duration	< 250 fs	Down to 150 fs
Bandwidth	1-5 nm	
Repetition frequency	100 MHz Monitor photodiode	
Beam quality	Free space, $M^2 < 1.3$ Linearly polarized Divergence < 2 mrad Beam diameter ~1 mm	Beam Diameter 0.5-2mm
Control interface	Ethernet, and web page Serial port	
Dimensions	526 x 250 x 71.5 mm (laser head) 483 x 285 x 88 mm (control unit)	
Weight	10 kg (laser head) 2 kg (control unit)	
Electrical	Voltage 110 – 240 V AC Frequency 50 – 60 Hz Power 80W	
Warranty	12 months (Terms & Conditions apply)	

Specifications subject to change



Dimensions



Wavelength: 520 nm
Max Average Power: 2W
Max Pulse Energy: 20 nJ
Pulse Length: < 300 fs
Frequency: 100 MHz
IEC/ EN 60825-1: 2014

DANGER - CLASS 4 VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION



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