

# Chromacity 520

520 nm ultrafast source



## 01 Applications

- Pump source for OPO
- Non-linear optics
- Telecoms / quantum imaging
- Raman spectroscopy
- Photo-dynamic therapy
- Nanophotonics

## 03 Features & Benefits

- Compact laser housing
- Intuitive web browser interface
- Power efficient laser cavity (low power consumption)



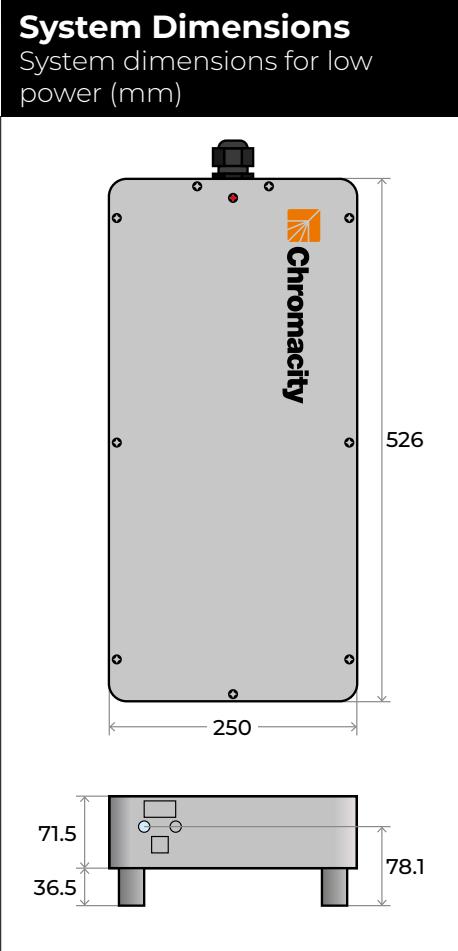
## 02 Technical Overview

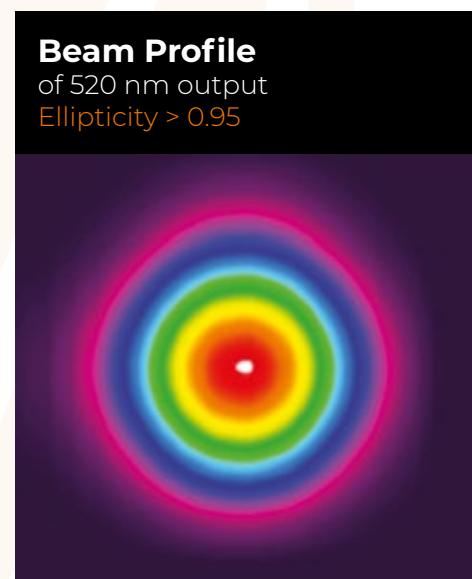
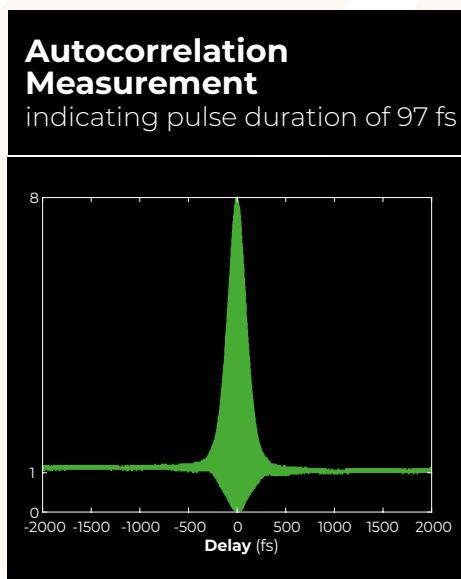
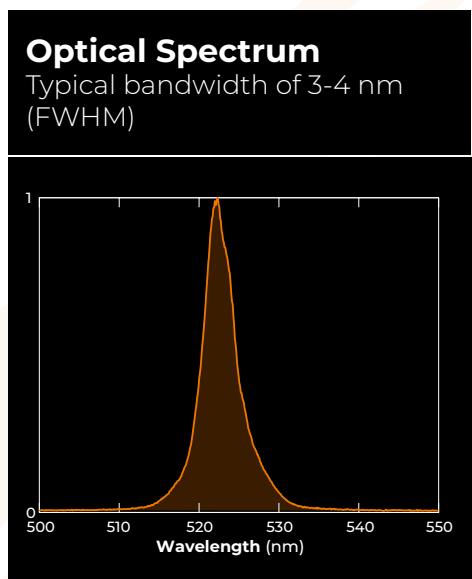
- Pulse duration < 150 fs
- 1.5 W average power available
- Access to 1040 nm pulses

Pumped by a Chromacity 1040 ensures delivery of high quality ultrashort pulses in the green.

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520 nm ultrafast source

Specifications	Low Power Chromacity 1040 and internal SHG module	High Power Chromacity 1040 and external SHG module	System Dimensions System dimensions for low power (mm)
<b>Output power</b>	Up to 500 mW	Up to 1.5 W	
<b>Wavelength</b>	520 nm (1040 nm also available)		
<b>Pulse duration</b>	< 150 fs		
<b>Repetition frequency</b>	100 MHz		
<b>Beam parameters</b>	Free space, Linearly polarized Divergence < 2 mrad		
<b>Beam diameter</b>	0.5-1.2 mm		
<b>Control interface</b>	Web browser interface Ethernet & serial port (RS232) also available		
<b>Electrical</b>	Voltage 110 – 240 V AC, Frequency 50 – 60 Hz, Power 80 W		
<b>Dimensions</b>	PSU 483 x 255 x 177 mm  Laser head 526 x 250 x 108 mm	Laser head 426 x 250 x 108 mm SHG module 150 x 300 mm	 Front view dimensions: Width: 250 mm Height: 526 mm Depth: 108 mm  Side view dimensions: Width: 71.5 mm Height: 78.1 mm Depth: 36.5 mm



Chromacity follows a policy of continuous improvement, hence specifications are subject to change without notice.

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