

# Chromacity 520

520 nm ultrafast source



## 01 Applications

- Semiconductor metrology
- Telecoms
- Quantum imaging
- FLIM
- Nanophotonics
- Pump source for OPO

## 02 Technical Overview

- Pulse duration < 150 fs
- Up to 2 W average power
- Access to 1040 nm pulses

## 03 Features & Benefits

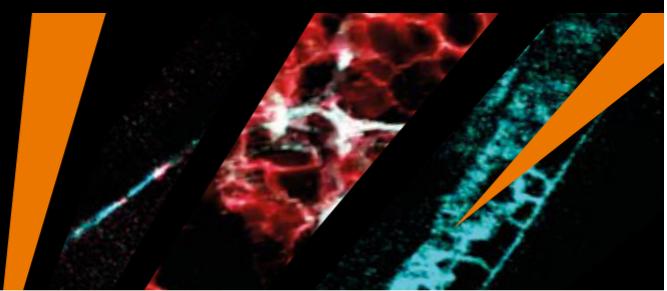
- Compact laser housing
- Intuitive web browser interface
- Power efficient laser cavity  
(low power consumption)



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

# Chromacity 520

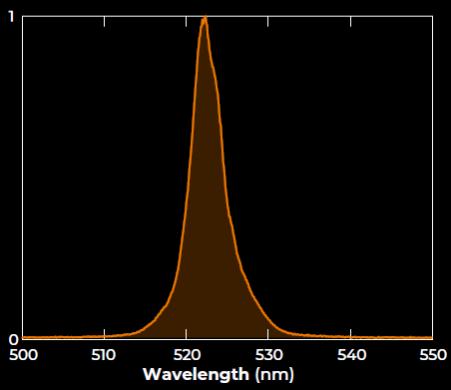
520 nm ultrafast source



Specifications	Chromacity 520	System Dimensions (mm)
<b>Output power</b>	Up to 2 W	Power supply
<b>Wavelength</b>	520 nm (1040 nm also available)	Pump source laser head
<b>Pulse duration</b>	< 150 fs	520 laser head
<b>Repetition frequency</b>	100 MHz	
<b>Beam parameters</b>	Free space Linearly polarized	
<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	
<b>Dimensions</b>	PSU 483 x 255 x 177 mm (19" 2U rack mount)	
	Pump source laser head 426 x 250 x 108 mm	520 laser head
	520 laser head 240 x 114 x 90 mm	

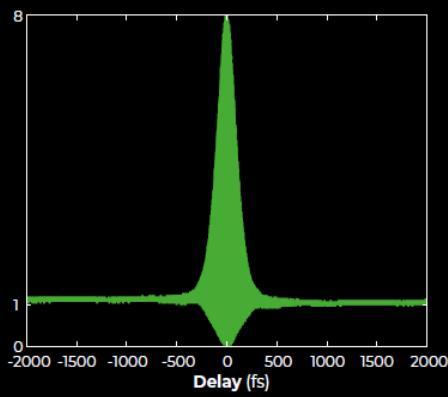
## Optical Spectrum

Typical bandwidth of 3-4 nm (FWHM)



## Autocorrelation Measurement

indicating pulse duration of 97 fs



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

Learn how our ultrafast lasers can enable you to discover more.  
For more information, email: [sales@chromacitylasers.com](mailto:sales@chromacitylasers.com)

