

WhiteLase[™] micro Compact Supercontinuum

MULTI-PURPOSE
WHITE-LIGHT SOURCE

KEY FEATURES

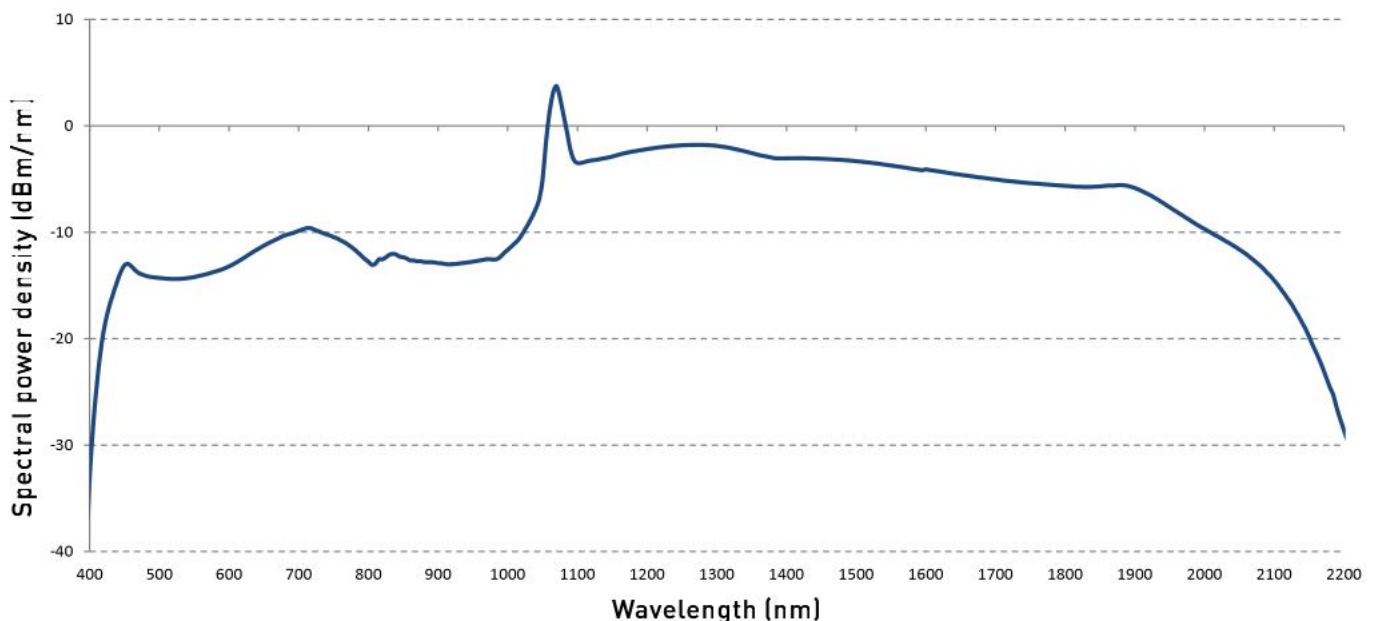
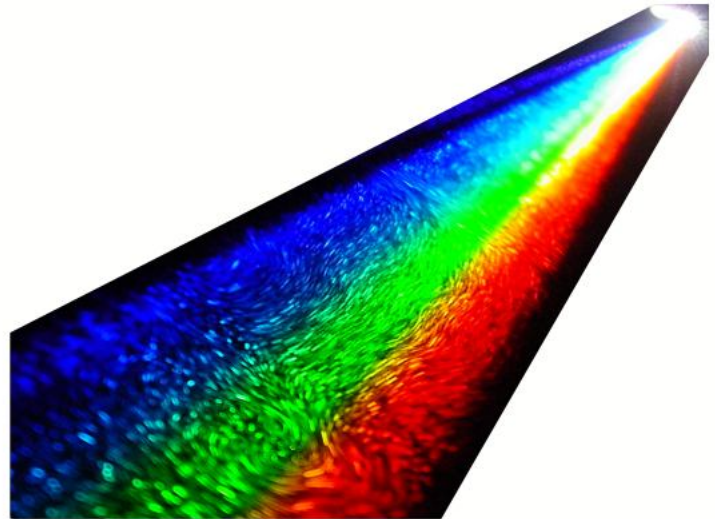
- Spectrum from **<450nm** to **>2000nm**
- Output power **>200mW**
- Turnkey operation
- Single spatial mode at all wavelengths
- **20MHz** repetition rate with ps pulses
- Optical bench mountable & small footprint
- Robust OEM-ready design



The **WhiteLase[™] micro** system is unique; an ultra-compact supercontinuum source based on a mode-locked fiber laser. With a total output power of more than 200mW covering a broad spectral range of at least 450nm to 2000nm the system offers unparalleled value and versatility.

The unit is operated by the flick of switch and can be mounted onto an optical bench or incorporated into optical tools. With a small footprint the **WhiteLase[™] micro** is also very space efficient.

The laser can be used in conjunction with Fianium **AOTF** and **SuperChrome[™]** Filters, giving a variety of tuning options covering the entire wavelength range.



STANDARD SPECIFICATIONS

	WhiteLase Fixed Repetition Rate Systems
Model	WhiteLase micro
Minimum Wavelength	<450nm
Maximum Wavelength	>2000nm
Total Power (full spectrum)	>200mW
Visible Power (400-750nm)	>20mW
Average Spectral Power Density	>75 μ W/nm
Repetition rate	Fixed 20MHz
Power Stability	<1.0%
Fundamental Pulsewidth	$\approx$ 6ps
Output Optic	ϕ 16 x 50mm Collimator
Armoured Fiber length	1.5m
State of polarisation	Unpolarised
Computer Interface	RS232
Sync (trigger) Output	Photodiode oscillator monitor (SMA)
Cooling	Integrated Air Cooling
Power Requirements	100-240V, 50/60Hz
Dimensions (WxLxH mm)	210 x 300 x 60
Weight	<10kg

CUSTOM OPTIONS

- Total Output Power **>500mW**
- Divergent output optic
- Cut-off wavelength up to **2500nm**
- Cut-in wavelength **<400nm**
- **FC/PC** or **FC/APC** output

APPLICATIONS

- Fluorescence excitation
- Broadband spectroscopy
- Optical component characterisation
- Fiber component characterisation
- Fluorescence lifetime measurement
- Optical Coherence Tomography (OCT)
- Nanophotonics
- Flow Cytometry
- Industrial Inspection
- Illumination

