

DISCO

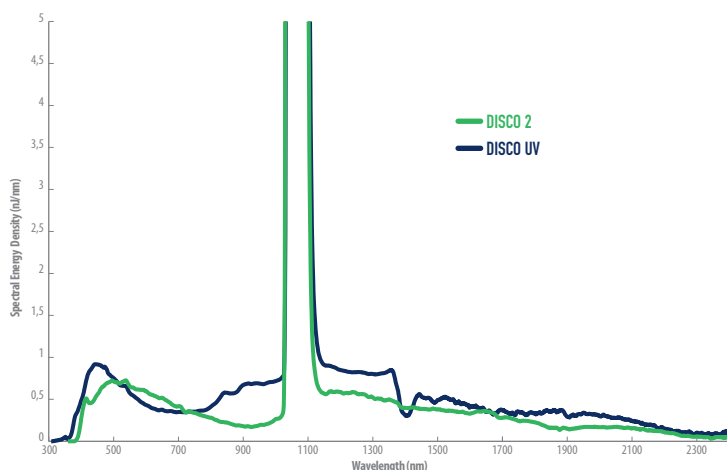
— Supercontinuum lasers
— SCIENTIFIC
— **GENERIC**



LOW TIMING JITTER TRIGGERED SUPERCONTINUUM LASER



DISCO is a supercontinuum laser with a very low timing jitter, less than 10 ns at 2kHz repetition rate. **DISCO** is externally triggered with a unique design for easy synchronisation.



FEATURES

From UV to NIR 350 - 2400 nm

Externally triggered

Easy synchronization
timing jitter < 10 ns at 2 kHz

High energy per pulse > 3 μ J

Spatially singlemode

Maintenance-free

Reliable all-fibered laser source

APPLICATIONS

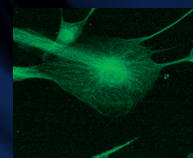
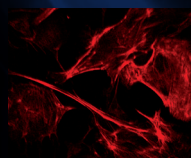
Pump / probe spectroscopy

Flow cytometry

OCT

Microscopy

Optical component characterisation



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DISCO

LOW TIMING JITTER TRIGGERED SUPERCONTINUUM LASER

Available with a spectral range down to UV, **DISCO** has shown an excellent lifetime. **DISCO** is the ideal alternative for probe light generation in time-resolved spectroscopy experiments.

OPTICAL SPECIFICATIONS		DISCO	DISCO UV
Spectral bandwidth	min	< 420 nm	< 350 nm
	max	> 2 400 nm	> 2 200 nm
Total average power		> 10 mW	> 5 mW
Repetition rate		2 kHz (externally triggered, fixed, other on request)	
Timing jitter		< 10 ns	
Seed pulse width		~ 800 ps (other pulse width on request)	
Power stability		< +/- 1 %	
Spatial mode		Singlemode	
Polarization state		Unpolarized	
Output		FC/APC collimator (~1m armored cable)	
Synchronization output		External trigger output	
Interlock connector		2-pin LEMO	
OTHER SPECIFICATIONS			
Control interface		Front panel	
Operating temperature		+10°C to +40°C non condensing	
Weight		< 8 kg	
Dimensions (LxWxh)		485x250x134 mm	
Power requirements		100-240 V, 50/60 Hz	

ADDITIONAL EQUIPMENTS

Achromatic collimated output

Easy fiber coupling with Pop

Tunable filters : AOTF, monochromators, custom

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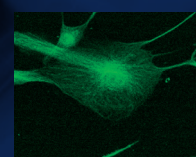
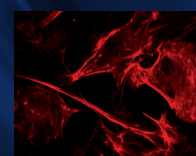
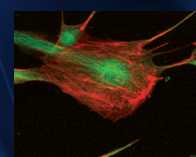
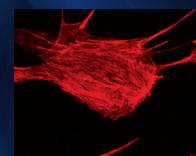
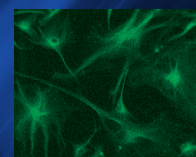
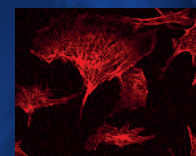
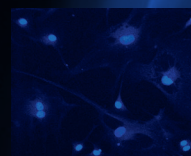
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All specifications are subject to change without notice

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OPTION

Collimated output

Free-running version



CAUTION – VISIBLE AND INVISIBLE
LASER RADIATION AVOID EYE AND
SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT