Femtolite FD/D-FD-1000S

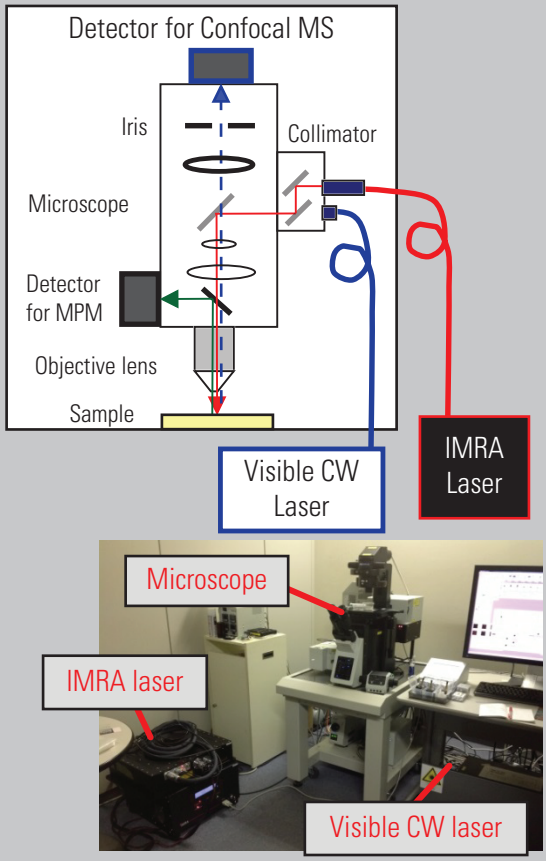
- **Fiber Delivery**
- **> 1 W output**
- **≤ 200 fs at 1045 nm**
- **High Speed Power Modulation**

	Specification
Center wavelength	1045 ± 10 nm
Average power	>1.0 W
Pulse duration	≤ 200 fs either at sample or fiber output
Repetition frequency	50 ± 5 MHz
Power modulation	AOM included (Modulation speed: <1μs)
Beam quality (M^2)	<1.3
Cooling	Air-cooling
Laser Size	500(W) x 540(D) x 270(H) mm
Operational temperature	20-30℃
Fiber length	3-4 m, Φ7.7 mm flexible armored cable

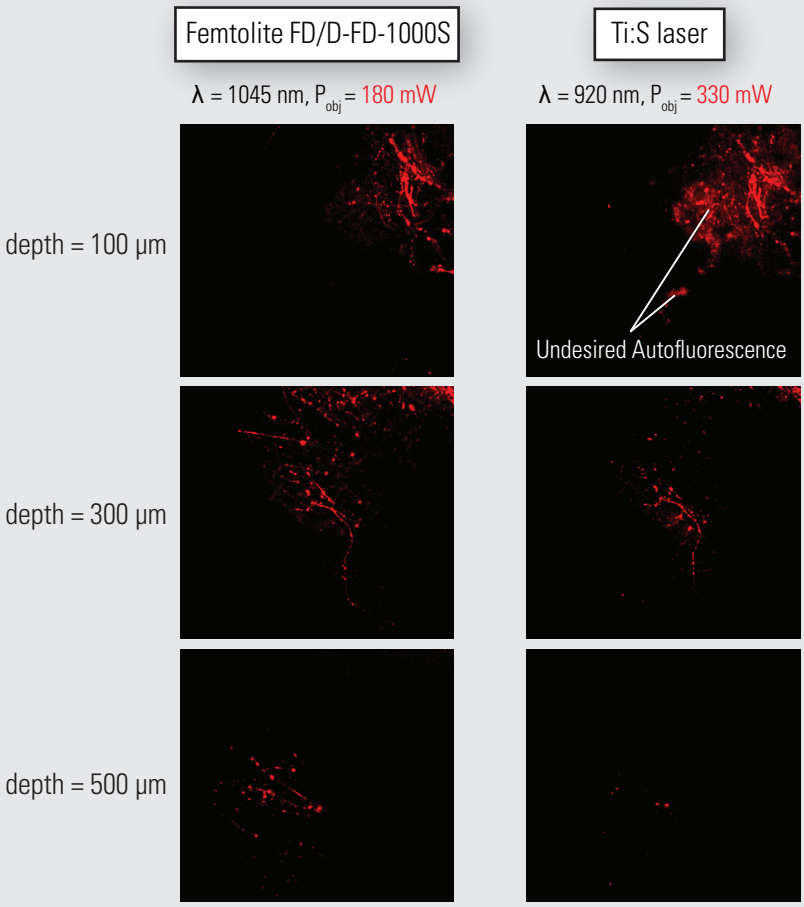
Multiphoton Microscopy Applications

- **Directly attachable to existing microscopes**
- **Ideal for excitation of YFP, RFP, RCaMP, and others for imaging at a depth >500 µm**
- **High speed blanking (<1 µs) and variable power function integrated**
- **No need for optical table**

Add-on feature for microscope



Brain nerve cell of mouse (Td-Tomato)



Courtesy of Prof. Miyawaki lab at RIKEN in Japan

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