

Mango

High repetition rate and high power optical parametric amplifier









The Mango is an optical parametric amplifier platform to complement our high power industrial ultrafast laser family. This platform opens access to a whole new range of wavelengths at unprecedented repetition rates and average power.



- #1 Fully automated controls
- #2 Tunability ranging from UV to mid-IR
- #3 SHG, FHG and DFG options
- #4 High average power and repetition rate
- #5 Air-cooled



Laser Specifications

		MANGO
	Input average power	Up to 50 W
	Output pulse energy	> 12% of input energy
	Pulse duration	< 300 fs
	Repetition rate	Up to 2 MHz
	Wavelength	210 - 11000 nm
	Beam quality	$M^2 < 1.3$
	Spatial mode	TEM ₀₀
	Control	Fully automated controls



Specifications subject to change without notice

Applications



Ultrafast Science



Biology



Particle Acceleration

