

t-Pulse

Diode pumped femtosecond oscillator

t-Pulse is a compact, reliable and turn-key femtosecond laser oscillator with high average power, exceptional energy per pulse and excellent pulse-to-pulse stability in a user-friendly package. Optional green output extends the applications range.



#1 High power


#2 Optional repetition rate synchronization

#3 Optional repetition rate stabilization

#4 Optional green output



Laser Specifications

	T-PULSE 50	T-PULSE 200
 Average power	> 2.5 W	> 2 W
 Pulse energy	> 50 nJ	> 200 nJ
 Pulse duration	< 200 fs	< 400 fs
 Repetition rate	50 MHz	10 MHz
 Wavelength	1030 nm	1030 nm
 Beam quality	$M^2 < 1.2$	$M^2 < 1.2$
 Spatial mode	TEM ₀₀	TEM ₀₀
 Dimensions	60 cm x 20 cm x 10 cm	60 cm x 20 cm x 12 cm

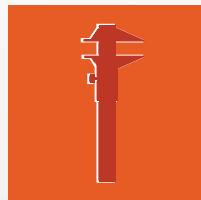


Specifications subject to change without notice

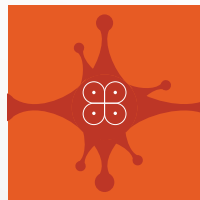
Applications



Ultrafast science



Metrology



Biology



THz Generation



Ophthalmology

