

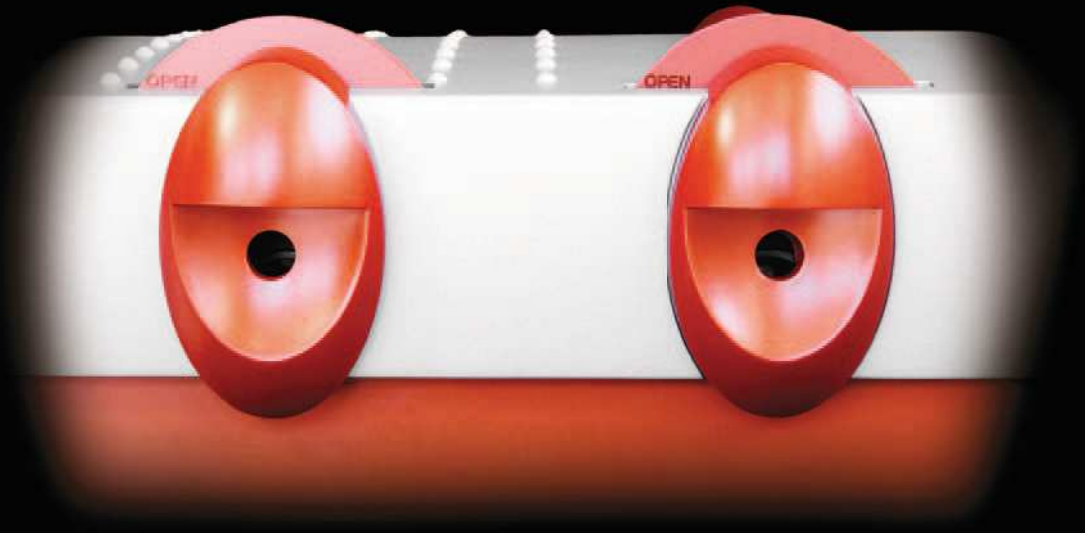
A new generation of ultrafast lasers

t-Pulse Duo

Diode pumped femtosecond oscillator

t-Pulse Duo is a compact dual-oscillator ultrafast laser system, specifically designed for pump-probe measurements over time scales as long as 20 ns, with a sub-picosecond resolution. This system does not use any mechanical delay line and allows an extremely fast acquisition time.

Optional green output extends the applications range.



#1 High energy

#2 Simple and versatile pump-probe measurement system

#3 Synchronized dual-oscillator

#4 Optional green output



Laser Specifications



T-PULSE DUO

	Average power	> 1 W
	Pulse energy	> 20 nJ
	Pulse duration	< 200 fs
	Repetition rate	50 MHz
	Wavelength	1030 nm
	Beam quality	$M^2 < 1.2$
	Spatial mode	TEM ₀₀
	Dimensions	60 cm x 30 cm x 13 cm

Dual wavelength	Optional (1030 nm / 515 nm)
Time measurement window	20 ns
Frequency offset tuning range	1 Hz to 10 kHz

Applications



Ultrafast Science



Metrology

