Tangerine

High power, high energy ultrafast fiber laser

Tangerine offers the highest pulse energy available today from a fiber laser. Thanks to groundbreaking patented technological advances in fiber design and amplifier technology, Amplitude offers ultrafast fiber lasers with high average power, as well as high output energy. With more than 250 μ J of pulse energy, 50 W of average power and state-of-the-art sub-150 fs, Tangerine is the perfect system for research and industrial applications.



- # 1 Industrial design-grade, designed for 24/7 operation
- # 2 High energy and high average power
- #3 Short pulses option
- # 4 Frequency conversion from Soft X-ray to THz



Laser specifications

		TANGERINE
	Average power	> 20 W
	Pulse energy	> 100 µJ
	Pulse duration	from 350 fs to 10 ps
	Repetition rate	Single shot to 40 MHz
at let	Wavelength	1030 nm
M^2	Beam quality	$M^2 < 1.3$
	Spatial mode	TEM _{oo}
	Dimensions	125 cm x 42 cm x 16 cm

TANGERINE HP	TANGERINE HP ²	TANGERINE SP
> 35 W	> 50 W	up to 50 W
> 200 µJ	> 250 µJ	up to 200 μJ
from 350 fs to 10 ps	from 350 fs to 10 ps	< 150 fs











