

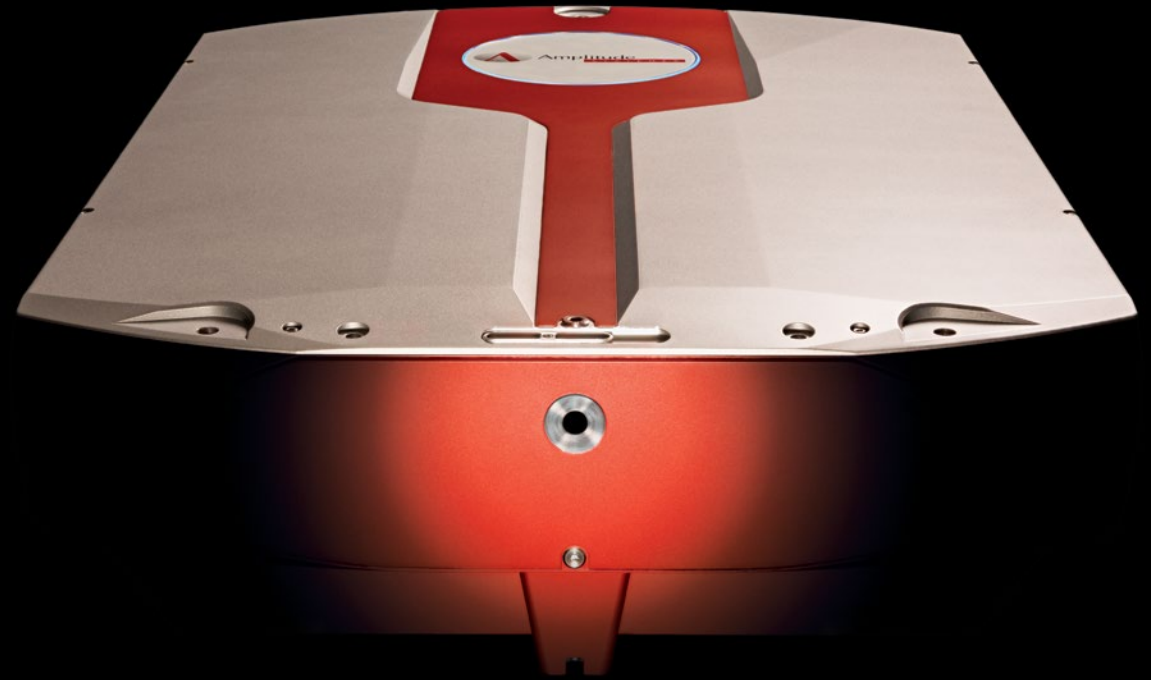
A new generation of ultrafast lasers

Tangor

High power femtosecond laser

The Tangor is the world's first industrial 100 W femtosecond laser. This platform offers exceptional flexibility, high repetition rates and high pulse energies.

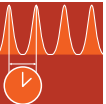

Designed to meet industrial requirements including 24/7 operation, high yield and precision manufacturing, the Tangor offers the shortest pulse duration in its class giving rise to superior processing quality.



- # 1 Industrial design
- # 2 High average power
- # 3 Burst mode
- # 4 Optional green and UV outputs



Laser specifications

	TANGOR	TANGOR HP
 Average power	> 50 W	> 100 W
 Pulse energy	> 300 μ J	> 500 μ J
 Pulse duration	< 500 fs to 10 ps	
 Repetition rate	Single shot to 40 MHz	
 Wavelength	1030 nm	
 Beam quality	Beam $M^2 < 1.3$	
 Spatial mode	TEM ₀₀	
 Dimensions	68 cm x 48 cm x 16 cm	



Applications



MicroMachining



Medical Device Manufacturing



Microelectronics