

A new generation of ultrafast lasers

Satsuma

Compact, high repetition rate, high power ultrafast fiber laser









With its extremely high repetition rate and excellent beam quality, the Satsuma combines the high quality of ultrafast laser micro-machining with the high speed processing required for industrial applications. Optional green and UV outputs extend the applications range.



- # 1 Air-cooled
- # 2 High speed
- # 3 Industrial design
- # 4 Optional green and UV outputs



Laser specifications

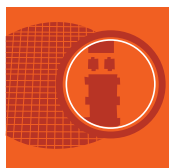
	SATSUMA	SATSUMA HP	SATSUMA HP ²	SATSUMA HP ³
 Average power	> 5 W	> 10 W	> 20 W	> 50 W
 Pulse energy	> 10 μ J	> 20 μ J	> 40 μ J	> 40 μ J
 Pulse duration	< 350 fs to 10 ps			
 Repetition rate	Single shot to 40 MHz			
 Wavelength	1030 nm			
 Beam quality	$M^2 < 1.2$			
 Spatial mode	TEM ₀₀			
 Dimensions	52 cm x 33 cm x 12 cm			



Applications



Ophthalmology



Microelectronics



Medical Device
Manufacturing



Biology



MicroMachining