

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
 Average power	> 5 W	> 10 W	> 20 W
 Pulse energy	> 10 μJ	> 20 μJ	> 40 μJ
 Pulse duration	< 400 fs		
 Repetition rate	Single shot to 2 MHz		
 Wavelength	1030 nm		
 Beam quality	$M^2 < 1.2$	$M^2 < 1.2$	$M^2 < 1.3$
 Spatial mode	TEM ₀₀		
 Dimensions	50 cm x 33 cm x 12 cm		



Specifications subject to change without notice

Applications



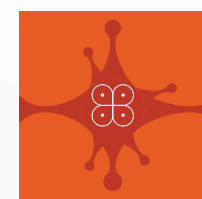
Ophthalmology



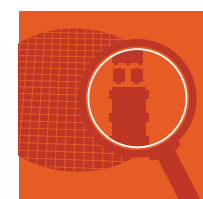
Microelectronics



Medical Device Manufacturing



Biology



MicroMachining

