

A new generation of ultrafast lasers

# Yuja

Ultra-compact high energy ultrafast laser

*The Yuja leverages hybrid amplifier technology to make the most compact and rugged 100  $\mu$ J ultrafast laser on the market.*









*This incredibly small, user friendly ultrafast laser is the ultimate solution for high quality drilling and cutting without thermal damage.*



- # 1 Ideal for cutting and drilling
- # 2 Small size integrates easily
- # 3 Burst mode operation
- # 4 Optional green and UV outputs



# Laser specifications

	<b>Yuja</b>
 Average power	> 10 W
 Pulse energy	> 100 $\mu$ J
 Pulse duration	< 500 fs to 10 ps
 Repetition rate	Single shot to 40 MHz
 Wavelength	1030 nm
 Beam quality	$M^2 < 1.3$
 Spatial mode	TEM <sub>00</sub>
 Dimensions	40 cm x 23 cm x 17 cm



## Applications



Microelectronics



MicroMachining



Medical Device  
Manufacturing