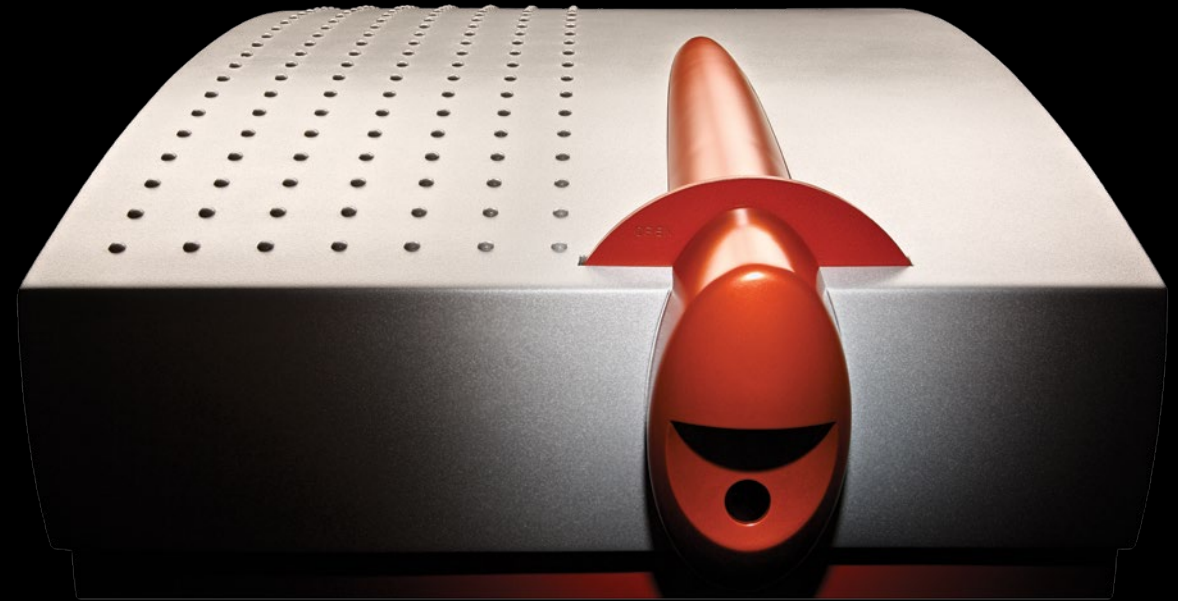


s-Pulse

Diode pumped femtosecond amplifier

A new generation of ultrafast lasers

s-Pulse is a diode pumped femtosecond laser setting new standards for performance. Optional green and UV outputs extend the application range.



- # 1 High energy
- # 2 Ease of use
- # 3 Industrial design
- # 4 Optional green and UV outputs
- # 5 Burst mode - RF synchronizable



Laser specifications

	s-PULSE HR	s-PULSE HP	s-PULSE HP²	s-PULSE HE
 Average power	> 2,5 W	> 4 W	> 8 W	> 2 W
 Pulse energy	> 40 µJ	> 1 mJ	> 2 mJ	> 5 mJ
 Pulse duration	< 500 fs			
 Repetition rate	Single shot to 300 KHz	Single shot to 5 KHz	Single shot to 5 KHz	Single shot to 5 KHz
 Wavelength	1030 nm	1030 nm	1030 nm	1030 - 1053 nm*
 Beam quality	$M^2 < 1,2$			
 Spatial mode	TEM ₀₀			
 Dimensions	43 cm x 32 cm x 16 cm	84 cm x 51 cm x 25 cm	75 cm x 57 cm x 24 cm	75 cm x 50 cm x 22 cm

* factory set upon request

Applications



Ultrafast Science



Metrology



Ophthalmology



Microelectronics



Accelerator Science