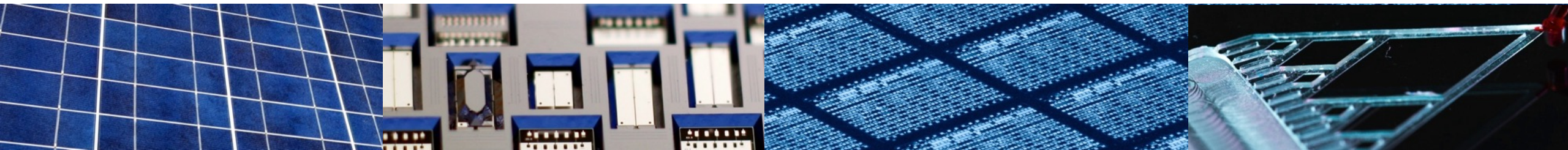




# Ultrafast lasers that simply work

**EPIC Online Technology Meeting  
on Femtosecond Lasers  
1<sup>st</sup> April 2020**

**By Dariusz Świerad  
Business Development Manager**



# Oscillator Yb

Truly All-Fiber Femtosecond Oscillator



- Average power: >25 mW
- Wavelength: 1030 nm
- Chirped pulse, compression option available <200 fs
- Pulse energy: >2.5 nJ
- Repetition rate: 20 MHz

# Halite

All-Fiber Amplified Femtosecond Oscillator



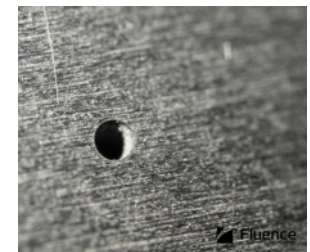
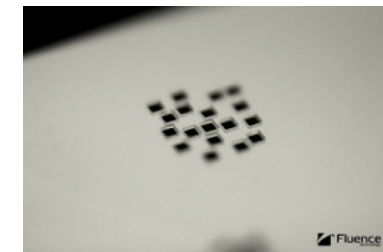
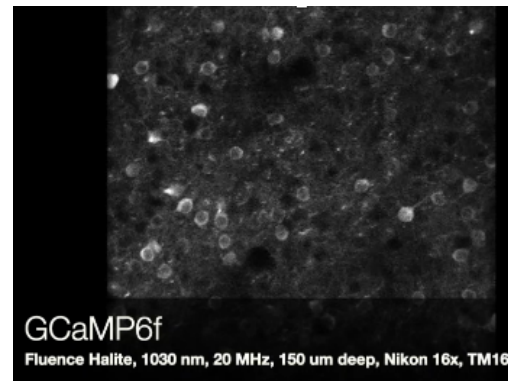
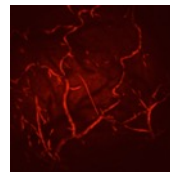
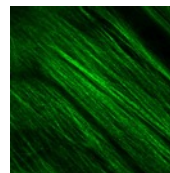
- Average power: up to 2 W
- Wavelength: 1030 nm
- Second harmonic: 515 nm output option
- Pulse duration: <200 fs
- Pulse energy: up to 100 nJ
- Repetition rate: 20 MHz

# Jasper XO

High Power Femtosecond Fiber Laser



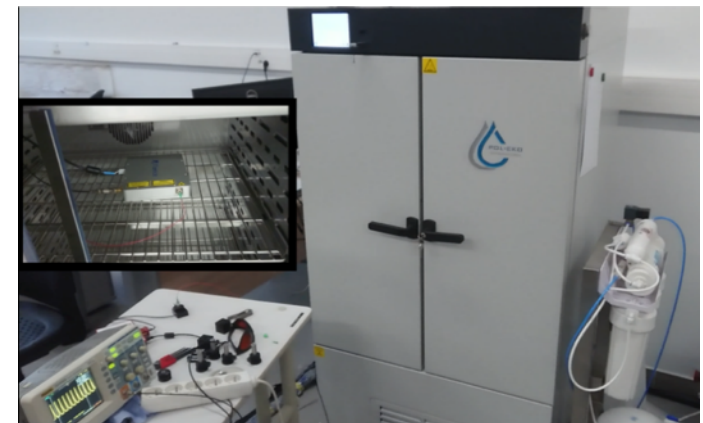
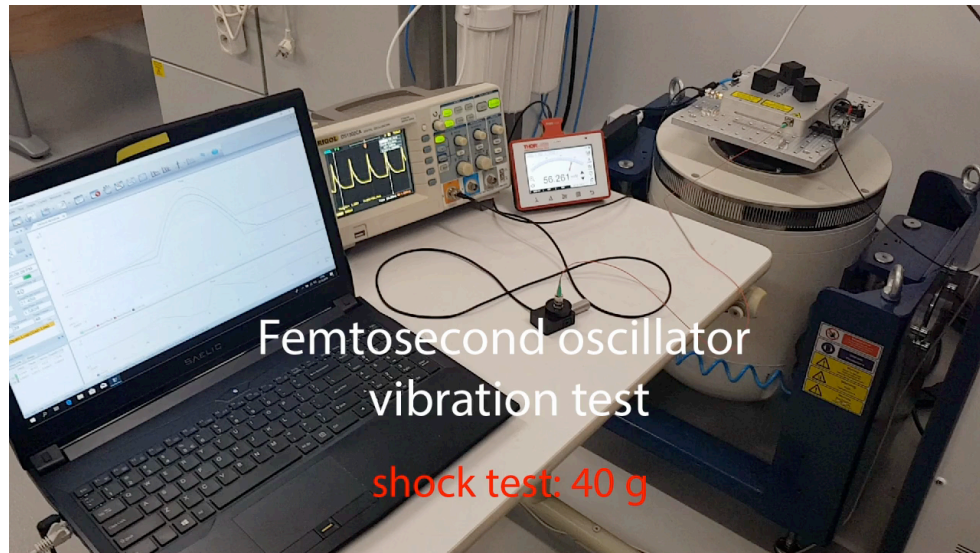
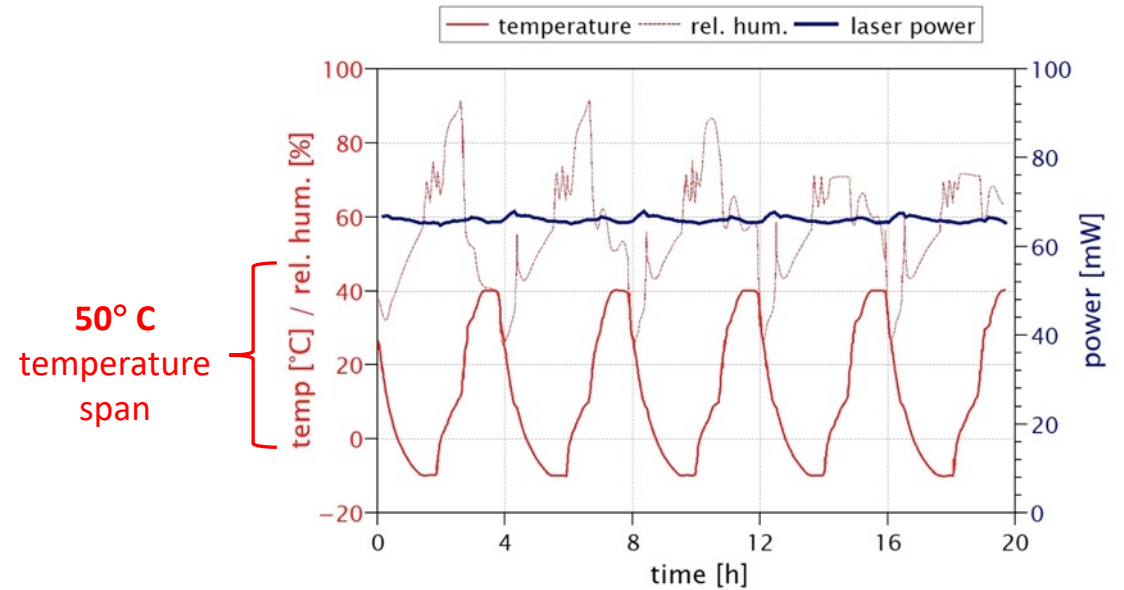
- Average power: up to 30 W
- Wavelength: 1030 nm
- Pulse duration: <250 fs
- Pulse energy: up to 100  $\mu$ J
- Repetition rate: 0 Hz – 20 MHz, selectable with control software




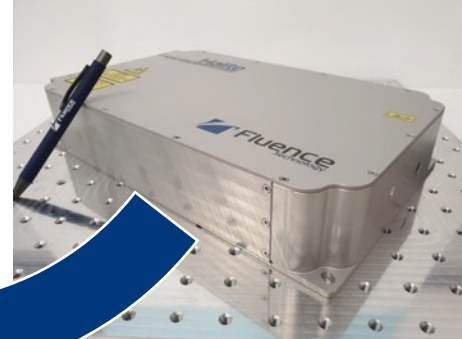



# Fluence all-fiber technology – stability and robustness tests that go well beyond the laboratory conditions.

Products thoroughly tested during operation. Fluence Oscillator:

- ✓ Temperature cycling -10 to +40 Celsius degrees
- ✓ Relative humidity: 20 - 95%
- ✓ Acceleration endurance >10 g (sine wave)
- ✓ Shock endurance >40 g (square wave)



# European Industry - together





Thank you for your attention. For more information  
get in touch with us and visit our website

<https://Fluencetechnology.com>  
<https://Fluence.technology>